

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032719\
 Data File : VL033468.D
 Acq On : 27 Mar 2019 14:45
 Operator : SY/AP
 Sample : K1560-15 0.1 PPB
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 1:56:23 AM

Quant Time: Mar 31 11:05:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 27 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	743685	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1749634	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1722021	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1366157	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	19229	0.177	ppbv	93
3) Chlorodifluoromethane	3.02	51	11346	0.133	ppbv	96
4) Chloromethane	3.17	50	6480m	0.143	ppbv	
5) Vinyl Chloride	3.29	62	5154	0.116	ppbv	95
6) Bromomethane	3.51	94	3181	0.111	ppbv	93
7) Chloroethane	3.60	64	2696m	0.163	ppbv	
8) Dichlorotetrafluoroethane	3.22	85	15017	0.130	ppbv	97
9) Propene	3.04	41	4628	0.129	ppbv	98
10) Heptane	8.25	43	7232m	0.075	ppbv	
11) Trichlorofluoromethane	4.00	101	17522	0.131	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	10006m	0.111	ppbv	
14) Bromoethene	3.79	108	4084m	0.114	ppbv	
15) Acetone	3.92	43	15424	0.172	ppbv	97
16) 1,3-Butadiene	3.37	39	4343m	0.122	ppbv	
18) 1,1-Dichloroethene	4.35	96	4863m	0.126	ppbv	
19) Isopropyl Alcohol	4.05	45	8950	0.158	ppbv	100
21) Allyl Chloride	4.48	41	6898m	0.122	ppbv	
22) trans-1,2-Dichloroethene	4.96	96	4826m	0.120	ppbv	
23) Vinyl Acetate	5.16	43	12176	0.096	ppbv #	86
24) 1,1-Dichloroethane	5.09	63	10549m	0.109	ppbv	
25) Ethyl Acetate	5.77	43	17511	0.106	ppbv #	63
26) Hexane	5.77	57	7543m	0.102	ppbv	
27) Carbon Disulfide	4.62	76	8450m	0.096	ppbv	
28) Methyl tert-Butyl Ether	5.13	73	10659m	0.100	ppbv	
29) Chloroform	5.84	83	15134	0.120	ppbv	94
30) Cyclohexane	7.26	84	5034m	0.086	ppbv	
31) cis-1,2-Dichloroethene	5.64	61	6900	0.094	ppbv #	82
32) 1,1,1-Trichloroethane	6.62	97	13720	0.114	ppbv	95
34) 2-Butanone	5.35	43	10751m	0.102	ppbv	
35) Carbon Tetrachloride	7.13	117	15019m	0.121	ppbv	
36) Benzene	7.00	78	12885	0.088	ppbv	97
37) 1,2-Dichloroethane	6.41	62	10959	0.111	ppbv #	93
38) Trichloroethene	7.96	130	6838m	0.124	ppbv	
39) 1,2-Dichloropropane	7.73	63	5113m	0.089	ppbv	
41) Tetrahydrofuran	6.19	42	4446m	0.077	ppbv	
42) Bromodichloromethane	7.91	83	13870	0.103	ppbv	86
43) Methyl Methacrylate	8.14	69	4362m	0.073	ppbv	
44) 2,2,4-Trimethylpentane	7.98	57	12871	0.050	ppbv #	41
45) t-1,3-Dichloropropene	9.41	75	4993m	0.068	ppbv	
46) cis-1,3-Dichloropropene	8.83	75	6150m	0.072	ppbv	
47) 1,1,2-Trichloroethane	9.61	97	7055m	0.108	ppbv	

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 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

48) Dibromochloromethane	10.45	129	8886m	0.081	ppbv	
49) Bromoform	13.19	173	8094m	0.077	ppbv	
50) 4-Methyl-2-Pentanone	8.89	43	10220m	0.066	ppbv	
51) 2-Hexanone	10.30	43	7490m	0.065	ppbv	
52) Tetrachloroethene	11.36	164	5720m	0.103	ppbv	
53) Toluene	9.95	91	11698m	0.069	ppbv	
54) 1,2-Dibromoethane	10.75	107	10276m	0.101	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.27	131	8912m	0.113	ppbv	
57) Chlorobenzene	12.30	112	17738m	0.133	ppbv	
58) Ethyl Benzene	12.85	91	16616m	0.072	ppbv	
59) m/p-Xylene	13.12	91	25486m	0.124	ppbv	
60) o-Xylene	13.85	91	12337m	0.062	ppbv	
61) Styrene	13.68	104	7582m	0.056	ppbv	
62) Isopropylbenzene	14.83	105	21710m	0.077	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.83	83	15846m	0.108	ppbv	
64) n-propylbenzene	15.72	120	5641m	0.079	ppbv	
65) tert-Butylbenzene	16.91	119	14761m	0.060	ppbv	
66) Benzyl Chloride	17.16	91	7032m	0.061	ppbv	
67) sec-Butylbenzene	17.45	105	23719m	0.067	ppbv	
69) p-Isopropyltoluene	17.81	119	15541m	0.054	ppbv	
70) n-Butylbenzene	18.71	91	18622m	0.061	ppbv	
71) 2-Chlorotoluene	15.61	91	16132m	0.075	ppbv	
72) 4-Ethyltoluene	15.99	105	13634m	0.061	ppbv	
73) 1,3,5-Trimethylbenzene	16.16	105	12683m	0.059	ppbv	
74) 1,2,4-Trimethylbenzene	16.92	105	14353m	0.063	ppbv	
75) 1,3-Dichlorobenzene	17.16	146	16025m	0.113	ppbv	
76) 1,4-Dichlorobenzene	17.31	146	13611m	0.099	ppbv	
77) 1,2-Dichlorobenzene	17.98	146	14428m	0.107	ppbv	
78) Hexachloro-1,3-Butadiene	23.53	225	11578m	0.130	ppbv	
79) Naphthalene	22.41	128	10618m	0.054	ppbv	
81) 1,2,4-Trichlorobenzene	22.14	180	8664m	0.080	ppbv	

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

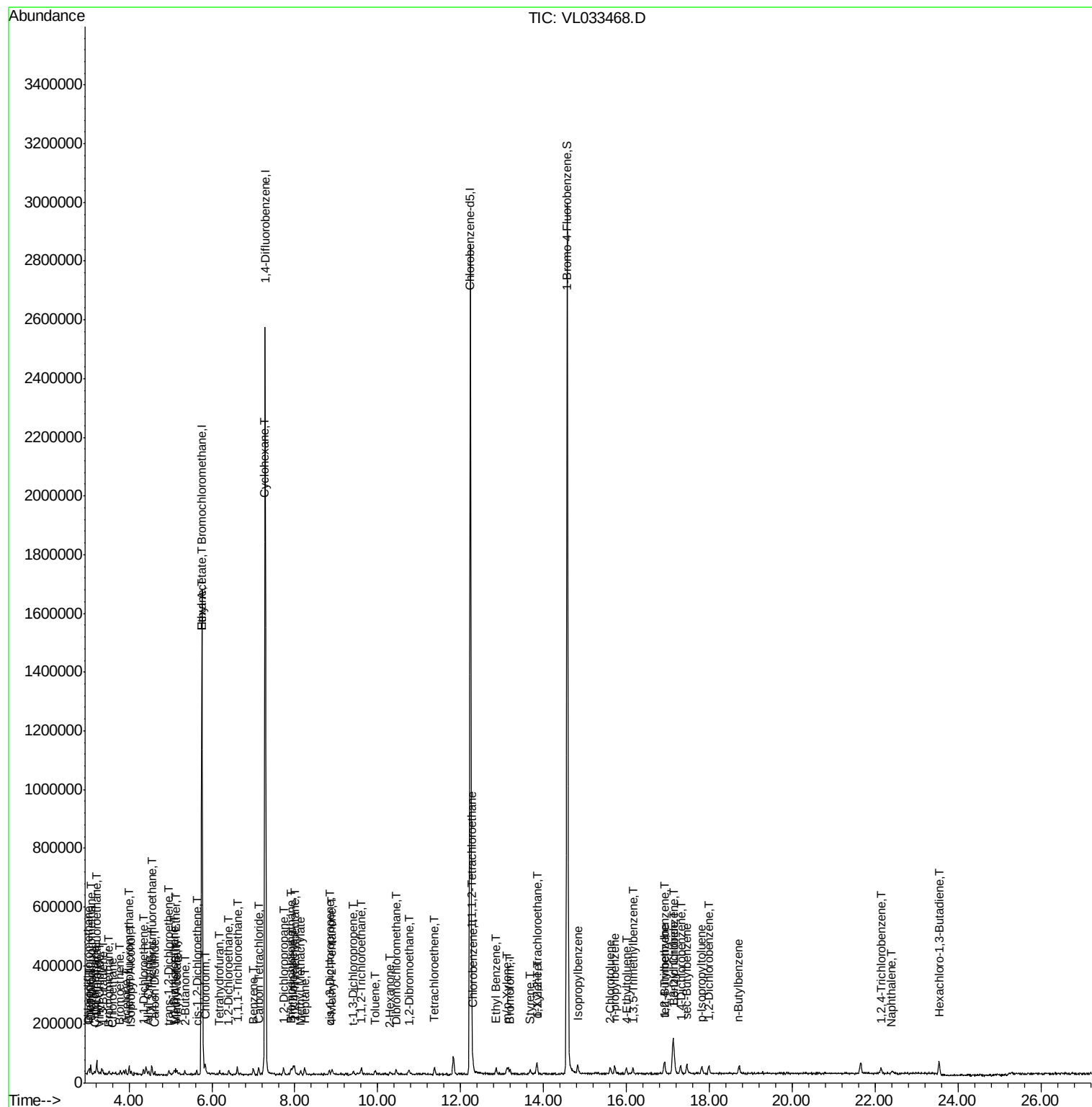
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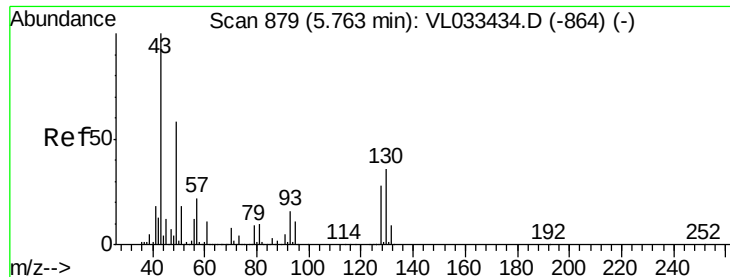
Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

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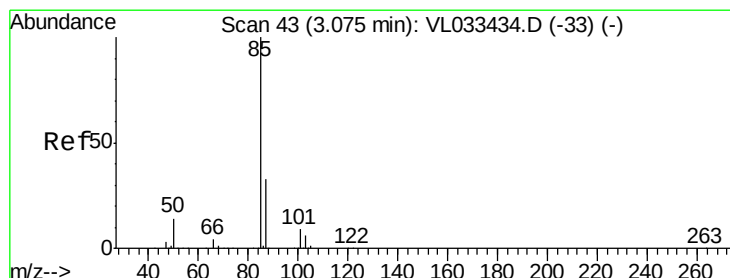
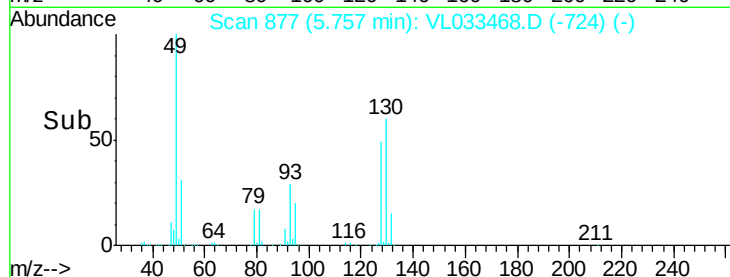
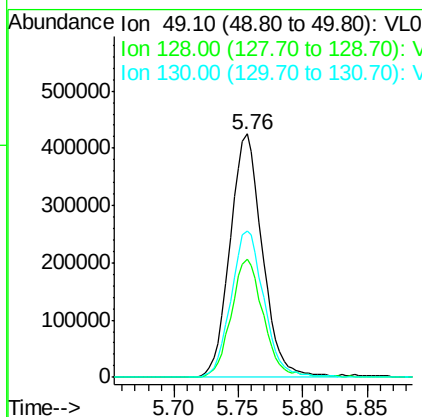
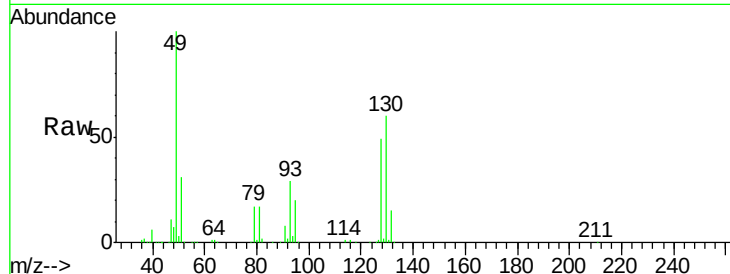
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
49	100		
128	48.7	24.0	72.0
130	61.8	31.2	93.6

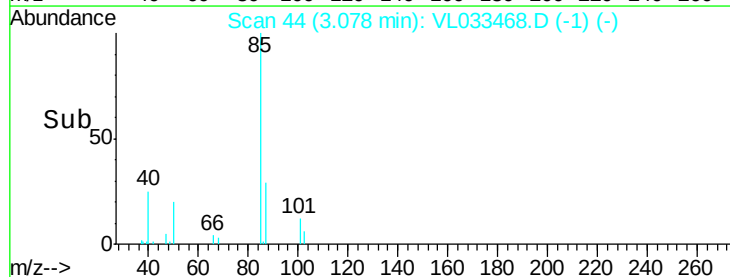
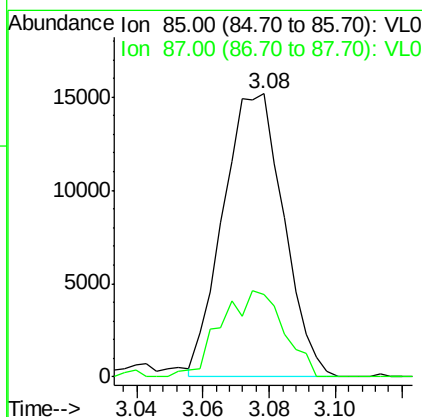
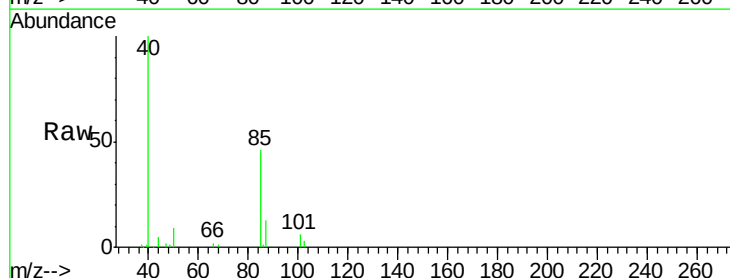
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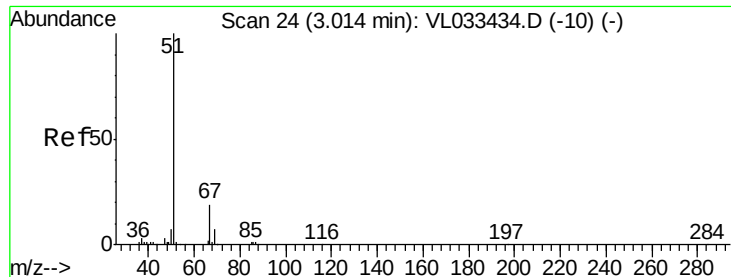
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#2
Dichlorodifluoromethane
Concen: 0.177 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.2	26.7	40.1





#3

Chlorodifluoromethane

Concen: 0.133 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion: 51 Resp: 11346

Ion Ratio Lower Upper

51 100

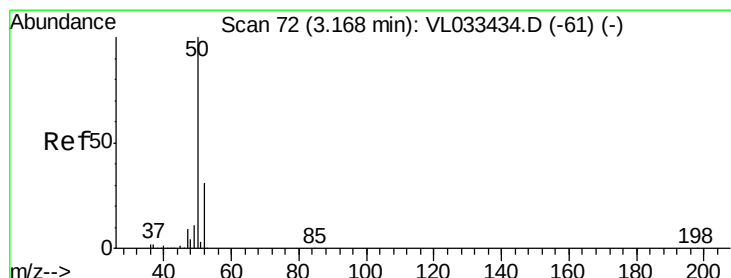
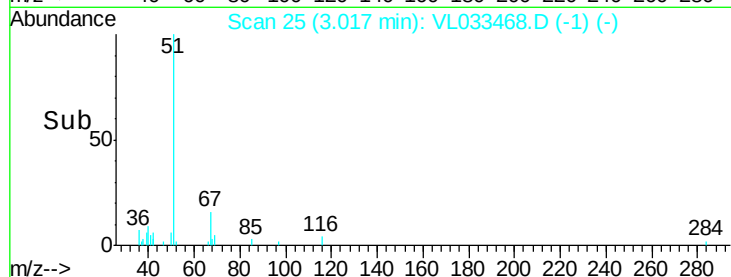
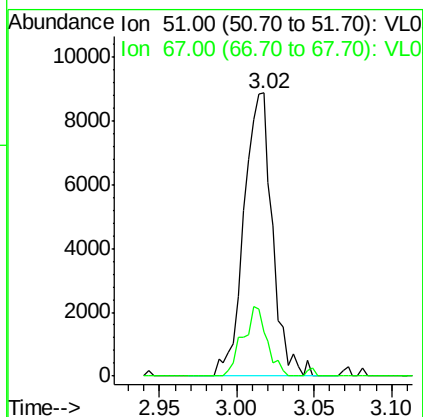
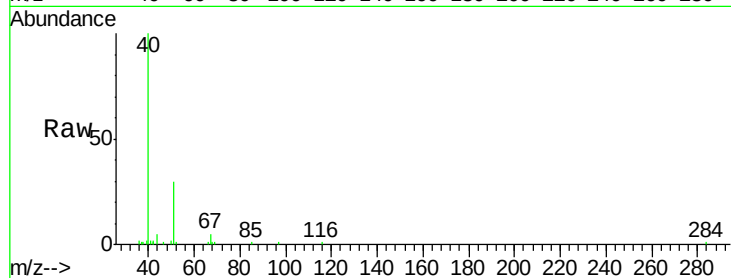
67 21.5 15.7 23.5

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#4

Chloromethane

Concen: 0.143 ppbv m

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033468.D

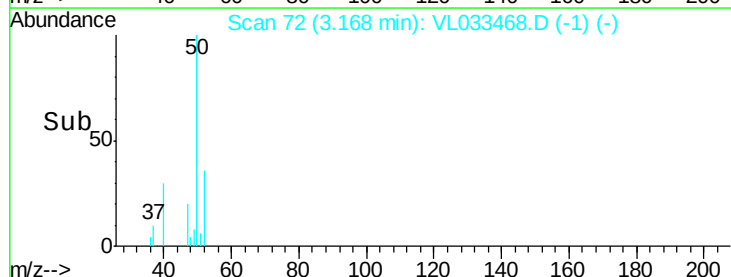
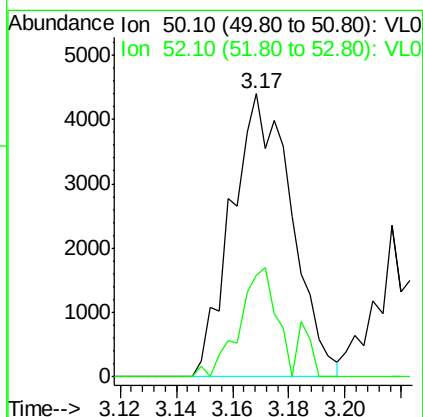
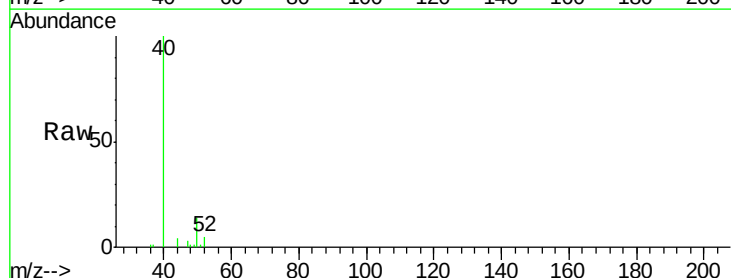
Acq: 27 Mar 2019 14:45

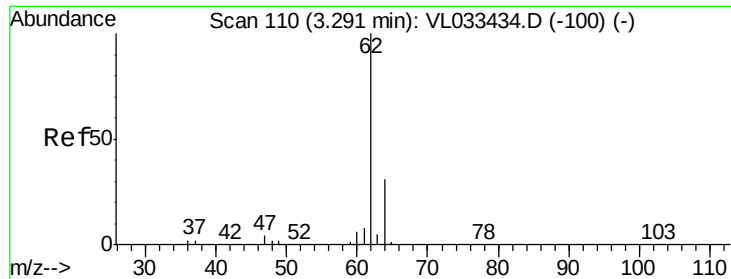
Tgt Ion: 50 Resp: 6480

Ion Ratio Lower Upper

50 100

52 36.1 25.0 37.6





#5

Vinyl Chloride

Concen: 0.116 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion: 62 Resp: 5154

Ion Ratio Lower Upper

62 100

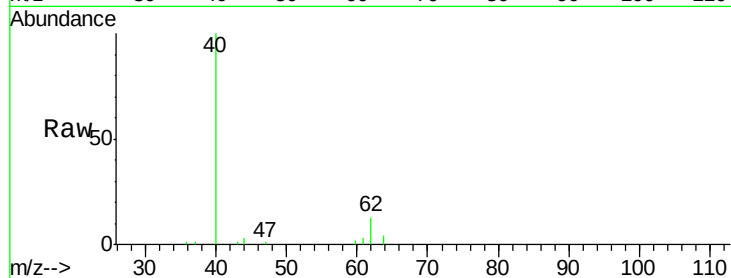
64 33.8 24.9 37.3

Manual Integrations

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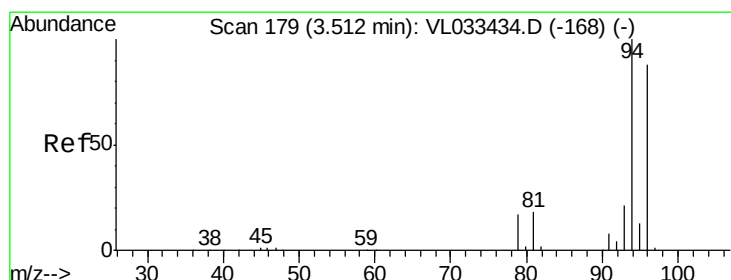
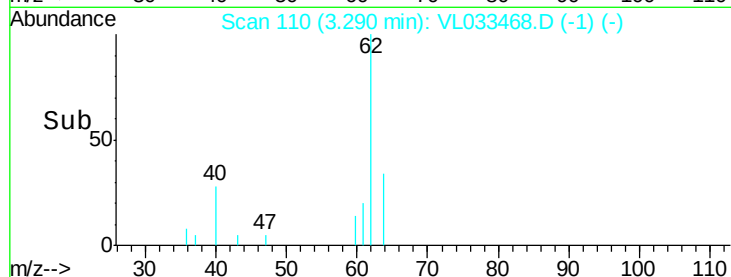
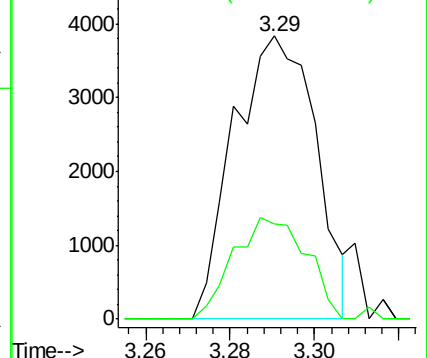
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.111 ppbv

RT: 3.51 min Scan# 179

Delta R.T. -0.00 min

Lab File: VL033468.D

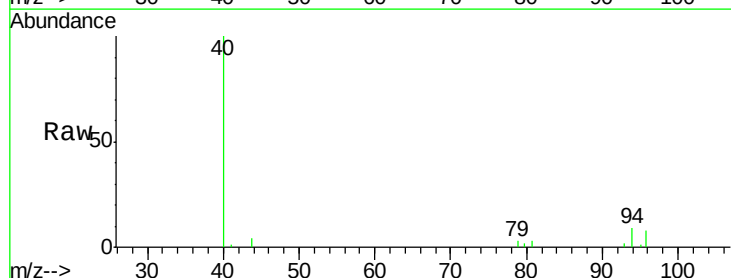
Acq: 27 Mar 2019 14:45

Tgt Ion: 94 Resp: 3181

Ion Ratio Lower Upper

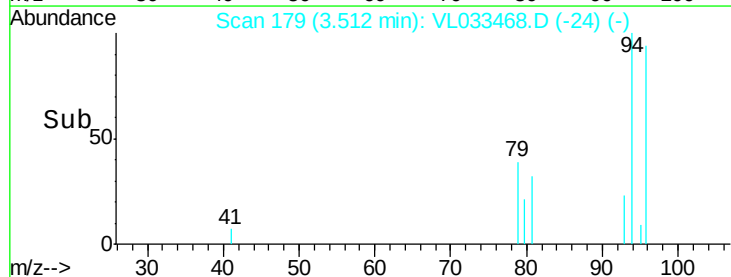
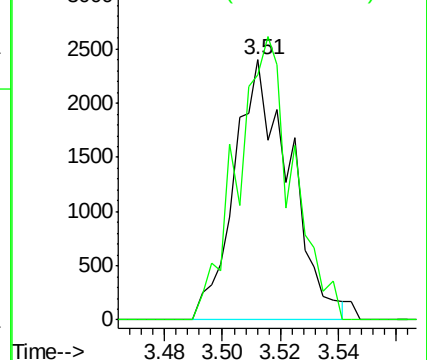
94 100

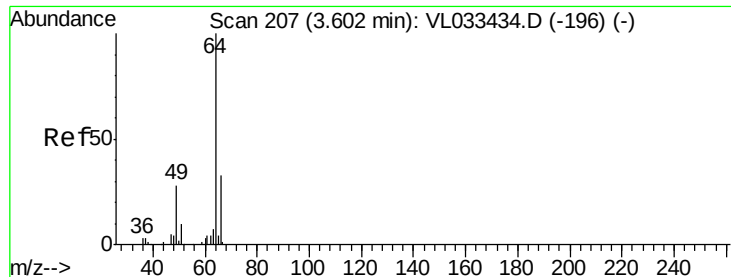
96 94.3 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.163 ppbv m

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion: 64 Resp: 2696

Ion Ratio Lower Upper

64 100

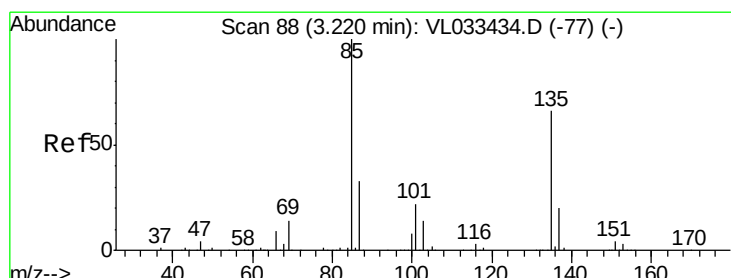
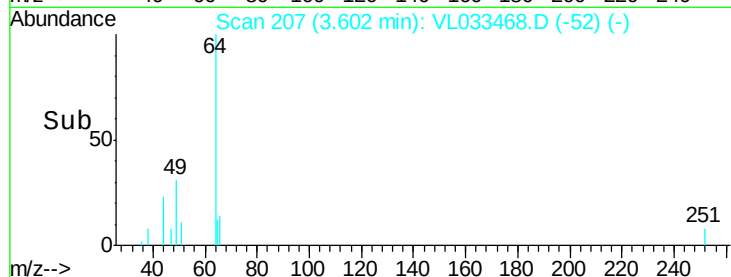
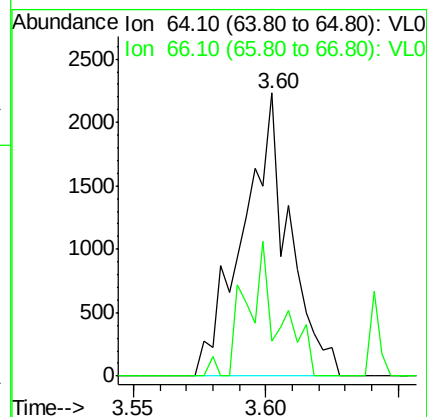
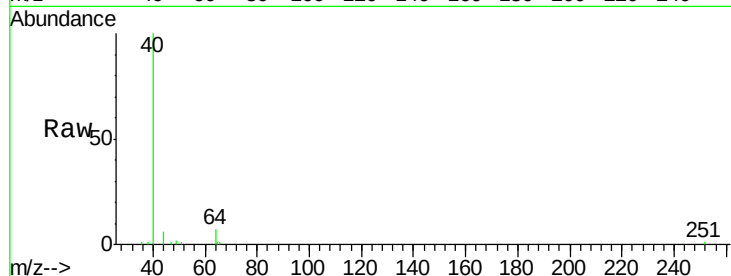
66 14.0 26.7 40.1#

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#8

Dichlorotetrafluoroethane

Concen: 0.130 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033468.D

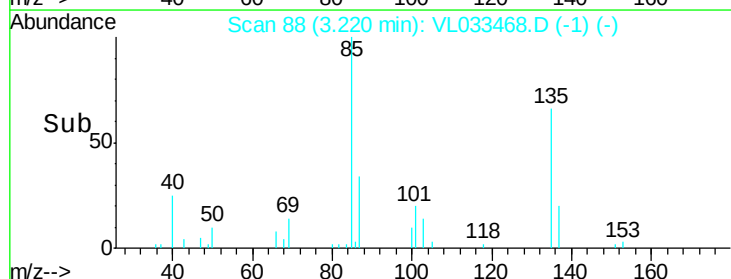
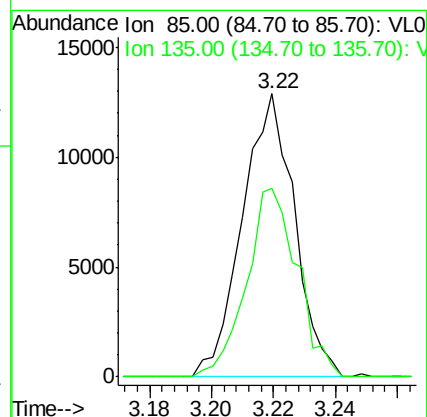
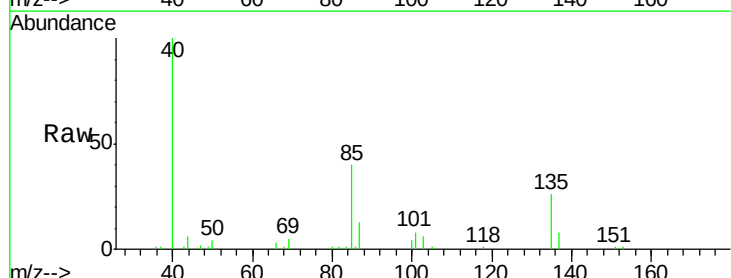
Acq: 27 Mar 2019 14:45

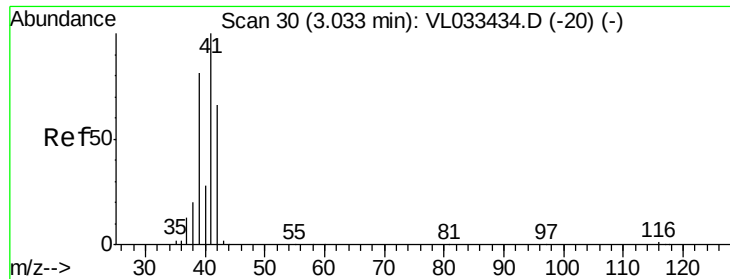
Tgt Ion: 85 Resp: 15017

Ion Ratio Lower Upper

85 100

135 65.1 54.0 81.0





#9

Propene

Concen: 0.129 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion: 41 Resp: 4628

Ion Ratio Lower Upper

41 100

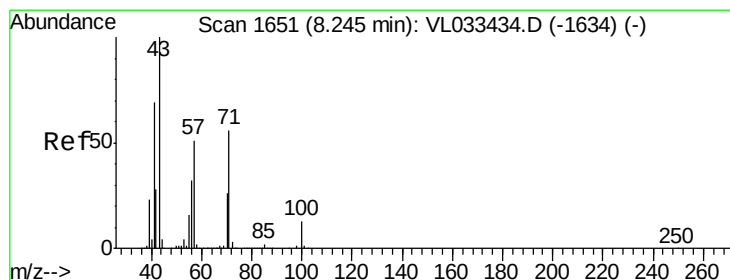
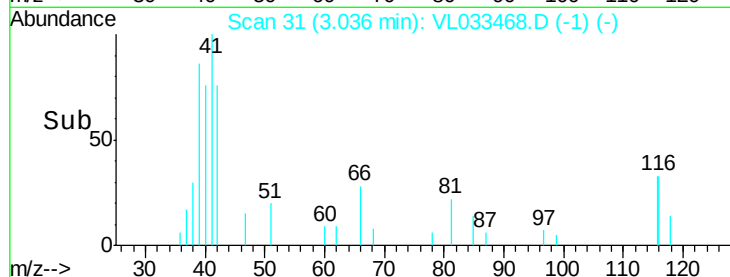
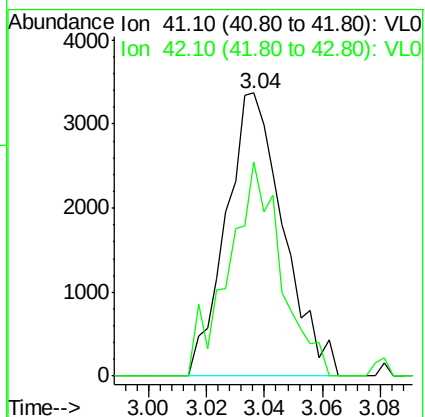
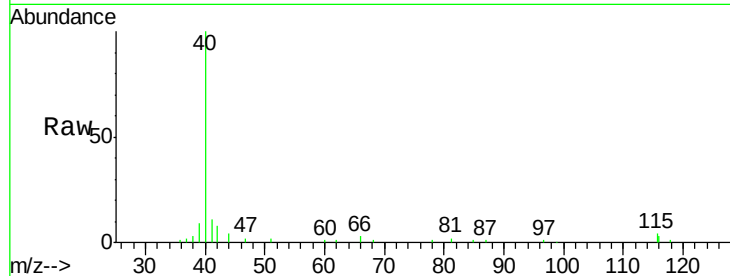
42 69.1 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 0.075 ppbv m

RT: 8.25 min Scan# 1651

Delta R.T. -0.00 min

Lab File: VL033468.D

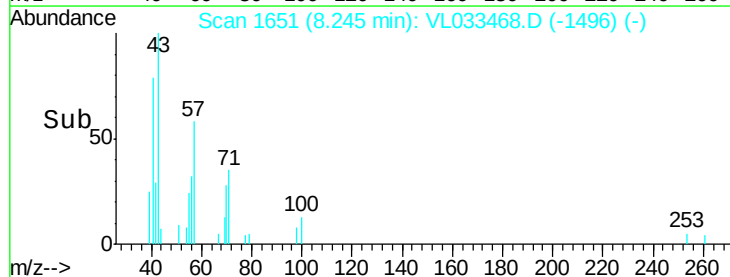
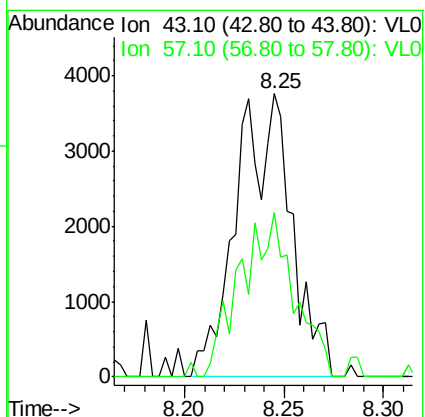
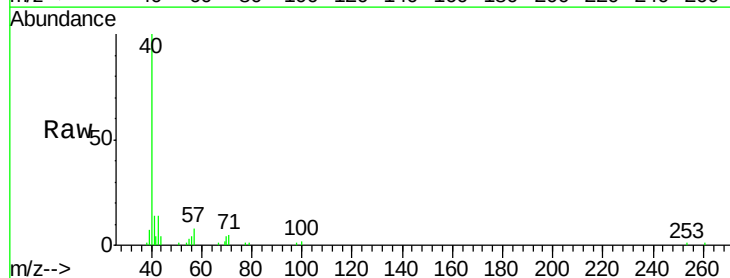
Acq: 27 Mar 2019 14:45

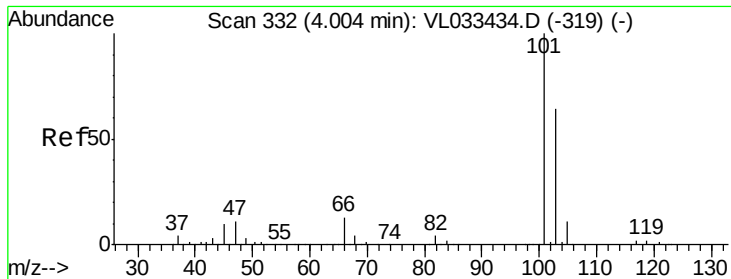
Tgt Ion: 43 Resp: 7232

Ion Ratio Lower Upper

43 100

57 0.0 40.6 60.8#





#11

Trichlorofluoromethane

Concen: 0.131 ppbv

RT: 4.00 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:101 Resp: 17522

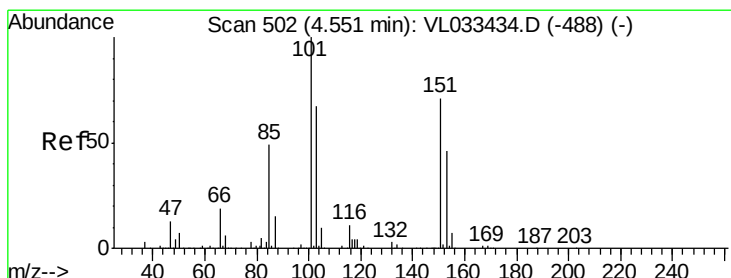
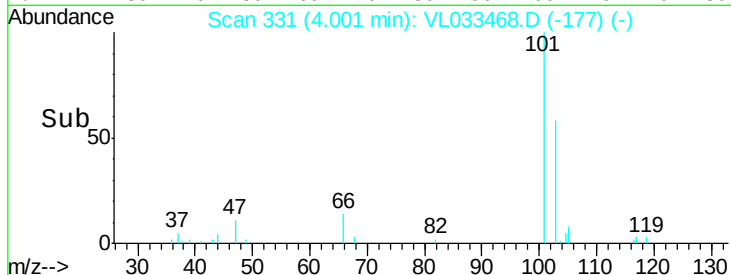
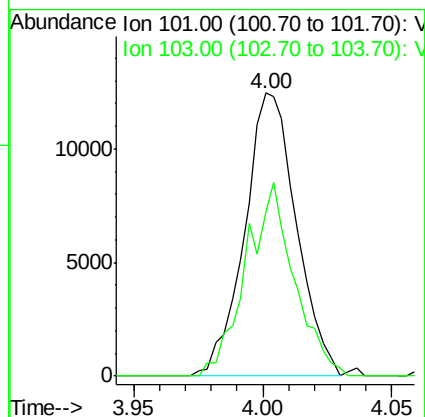
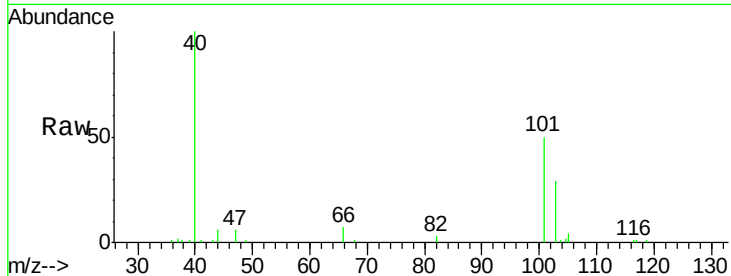
Ion Ratio Lower Upper

101 100

103 59.3 51.3 76.9

Manual Integrations
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MMDadoda
4/1/2019 1:56:23 AM



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.111 ppbv m

RT: 4.55 min Scan# 502

Delta R.T. -0.00 min

Lab File: VL033468.D

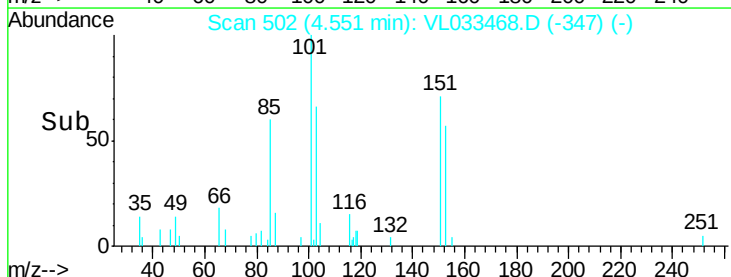
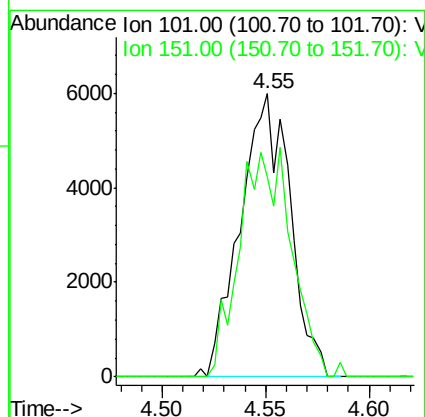
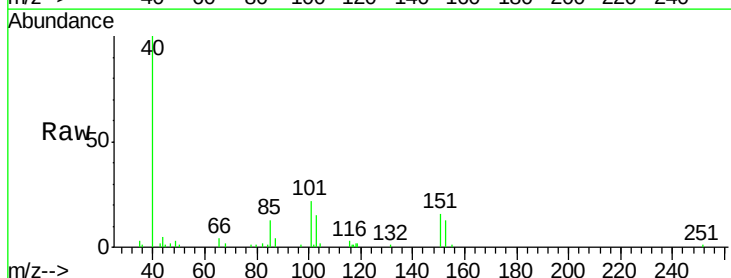
Acq: 27 Mar 2019 14:45

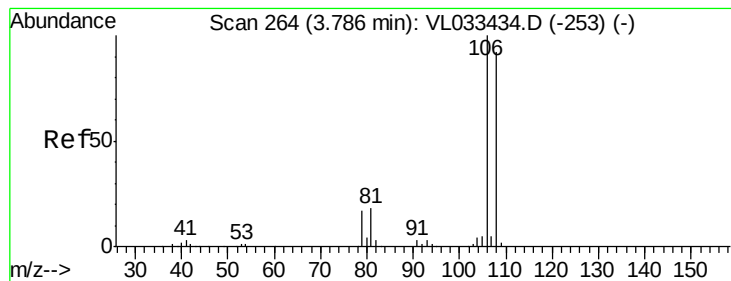
Tgt Ion:101 Resp: 10006

Ion Ratio Lower Upper

101 100

151 0.0 57.7 86.5#





#14

Bromoethene

Concen: 0.114 ppbv m

RT: 3.79 min Scan# 264

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

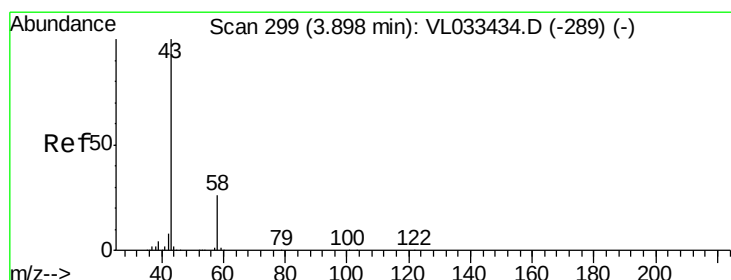
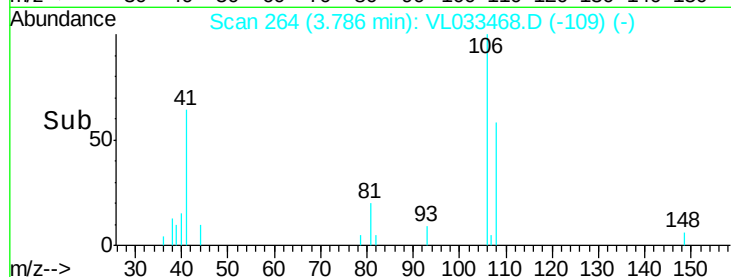
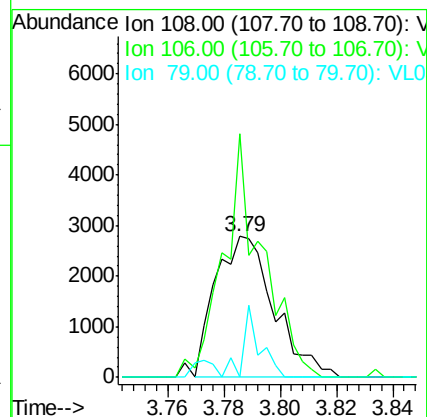
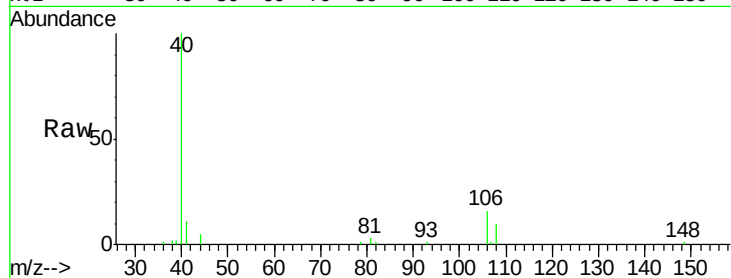
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	108	Resp:	4084
Ion	Ratio	Lower	Upper
108	100		
106	113.8	86.4	129.6
79	18.7	15.8	23.8

Manual Integrations
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MMDadoda
4/1/2019 1:56:23 AM



#15

Acetone

Concen: 0.172 ppbv

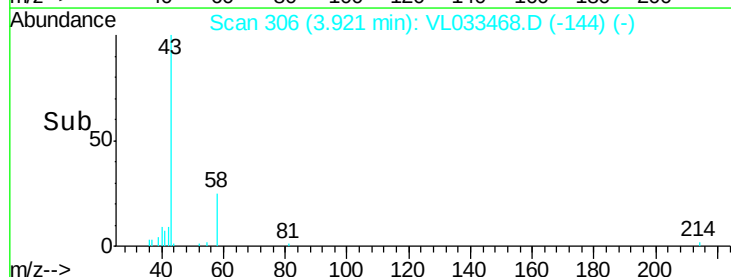
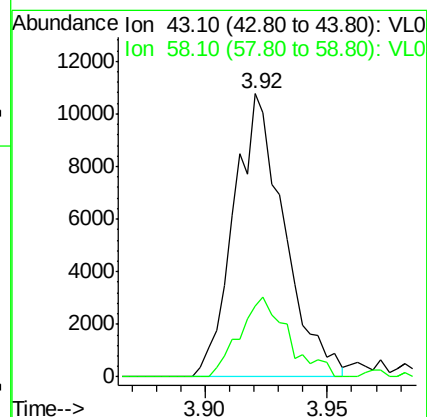
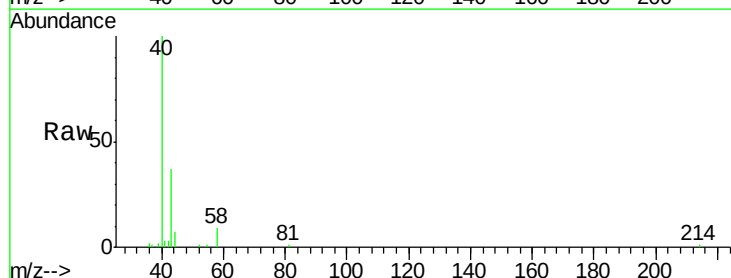
RT: 3.92 min Scan# 306

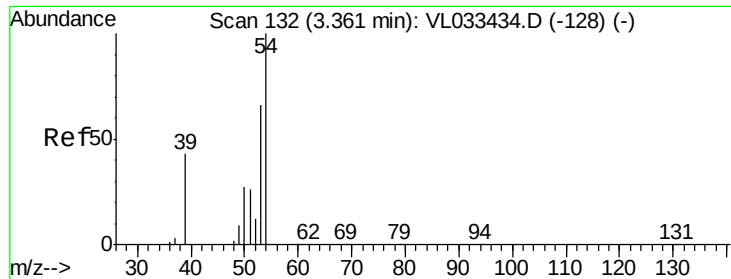
Delta R.T. 0.02 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	43	Resp:	15424
Ion	Ratio	Lower	Upper
43	100		
58	27.0	20.5	30.7





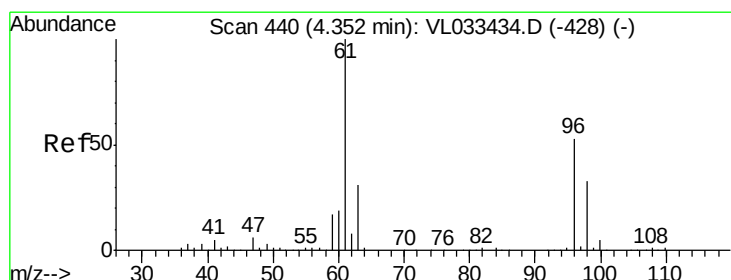
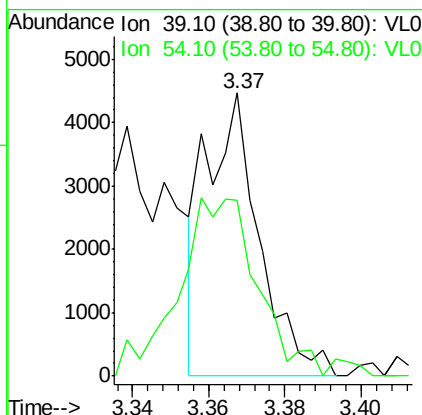
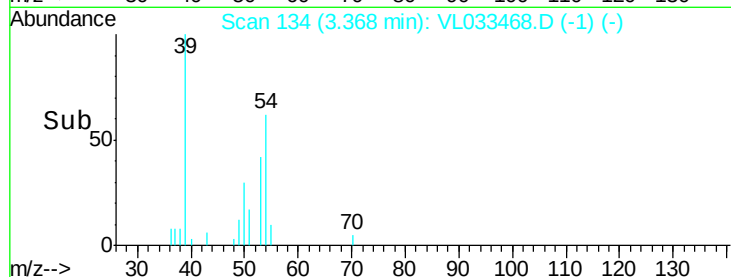
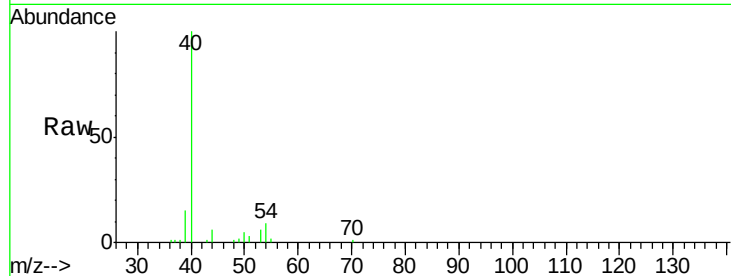
#16
1,3-Butadiene
Concen: 0.122 ppbv m
RT: 3.37 min Scan# 134
Delta R.T. 0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion: 39 Resp: 4343
Ion Ratio Lower Upper
39 100
54 97.8 69.4 104.2

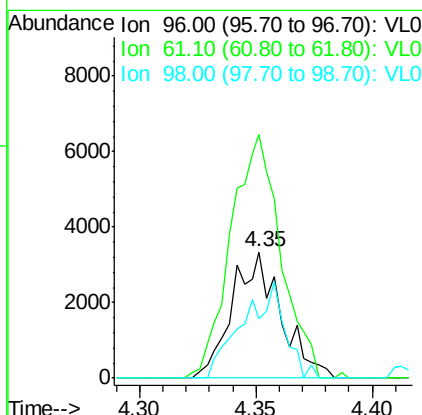
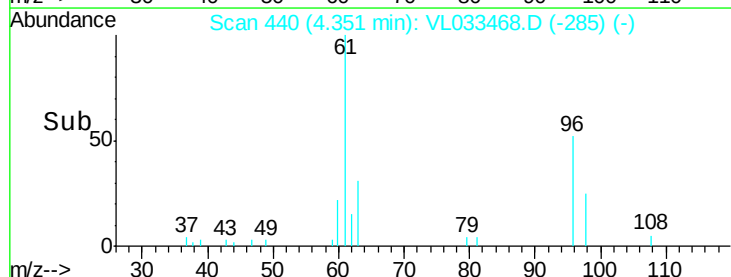
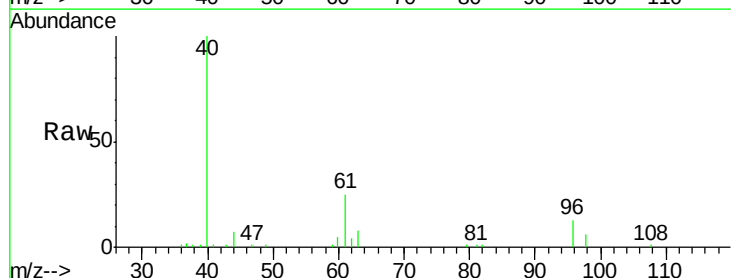
Manual Integrations
APPROVED

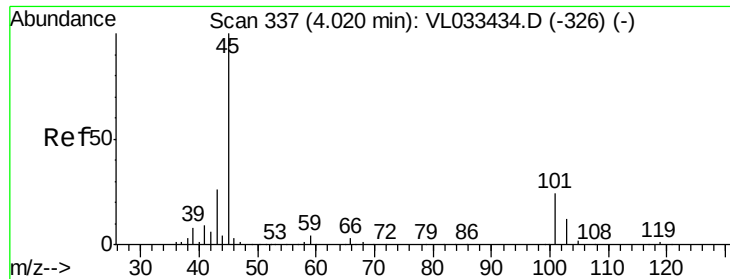
MMDadoda
4/1/2019 1:56:23 AM



#18
1,1-Dichloroethene
Concen: 0.126 ppbv m
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion: 96 Resp: 4863
Ion Ratio Lower Upper
96 100
61 193.5 149.8 224.6
98 47.6 48.7 73.1#





#19

Isopropyl Alcohol

Concen: 0.158 ppbv

RT: 4.05 min Scan# 345

Delta R.T. 0.03 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion: 45 Resp: 8950

Ion Ratio Lower Upper

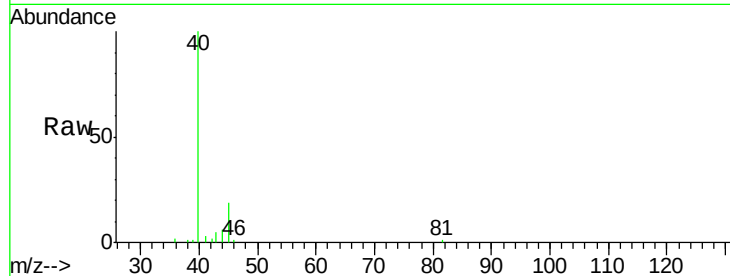
45 100

58 1.8 1.4 2.2

Manual Integrations
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4/1/2019 1:56:23 AM



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.05

6000

5000

4000

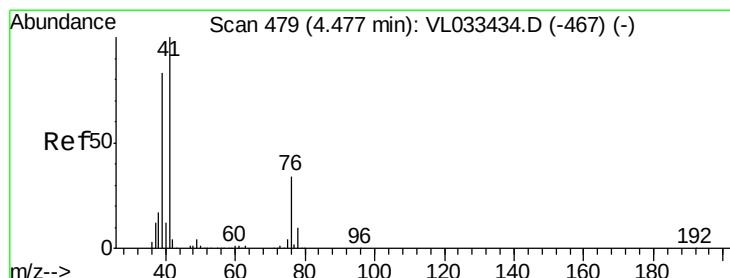
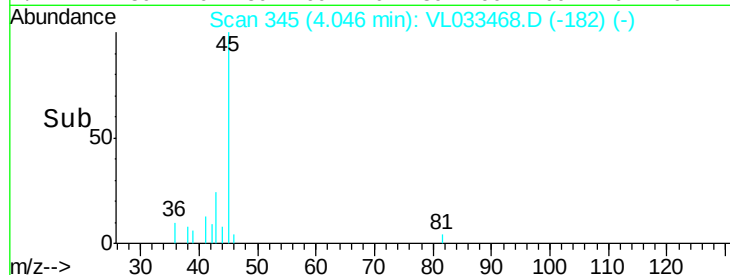
3000

2000

1000

0

Time-->



#21

Allyl Chloride

Concen: 0.122 ppbv m

RT: 4.48 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

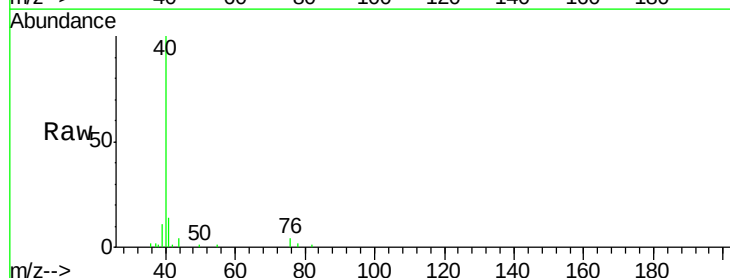
Tgt Ion: 41 Resp: 6898

Ion Ratio Lower Upper

41 100

76 0.0 25.4 38.2#

39 0.0 65.3 97.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0

5000

4000

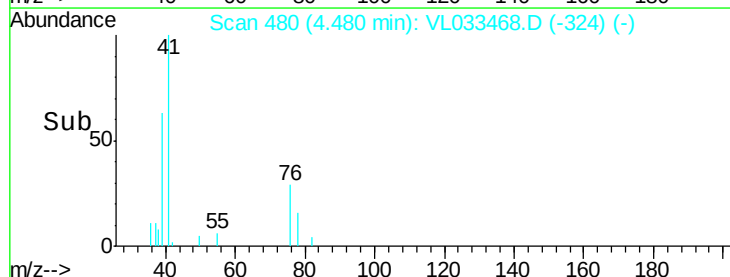
3000

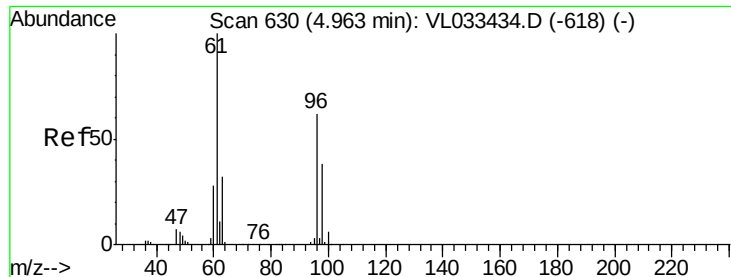
2000

1000

0

Time-->





#22

trans-1,2-Dichloroethene

Concen: 0.120 ppbv m

RT: 4.96 min Scan# 629

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

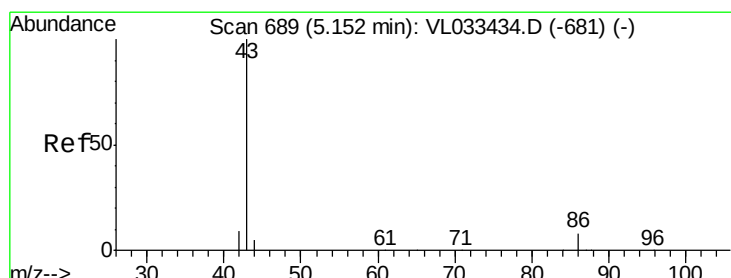
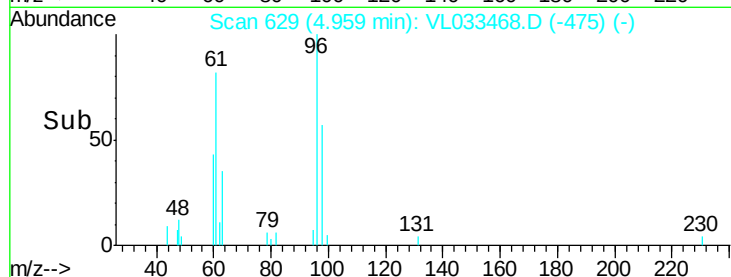
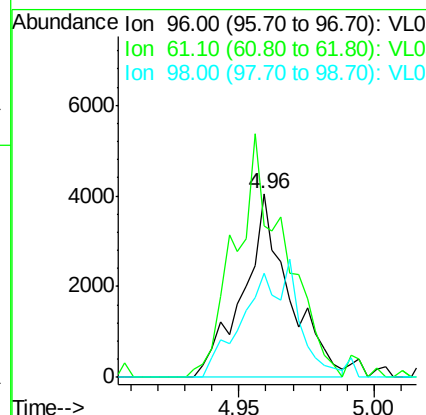
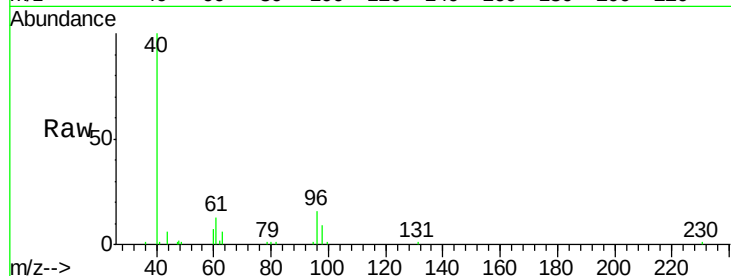
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	96	Resp:	4826
Ion	Ratio	Lower	Upper
96	100		
61	82.5	128.9	193.3#
98	56.8	49.5	74.3

Manual Integrations
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MMDadoda
4/1/2019 1:56:23 AM



#23

Vinyl Acetate

Concen: 0.096 ppbv

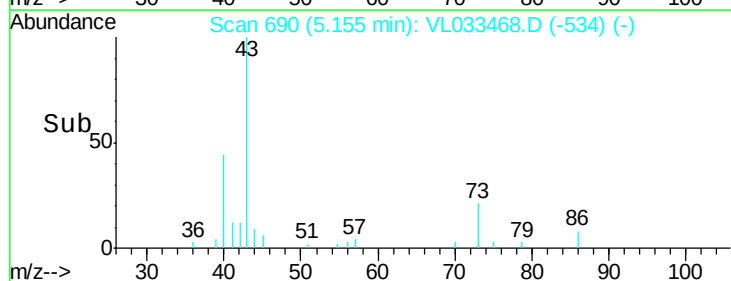
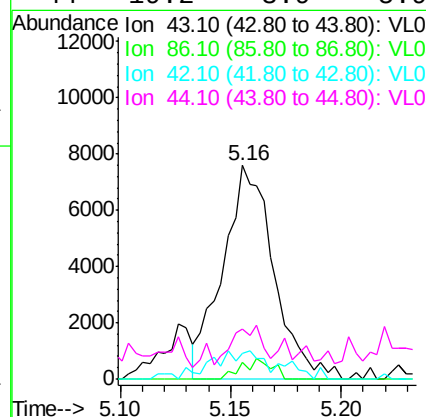
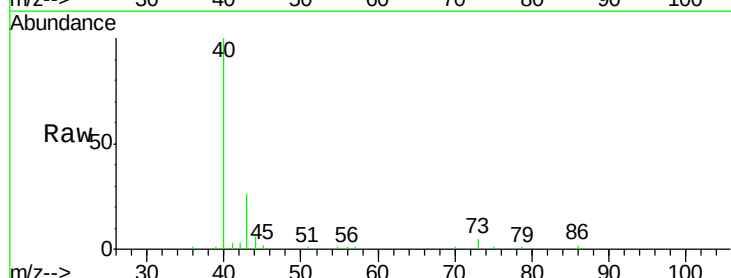
RT: 5.16 min Scan# 690

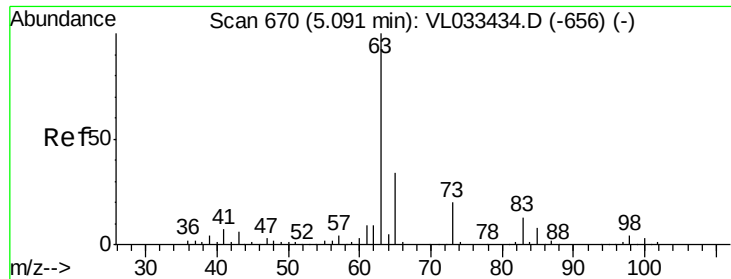
Delta R.T. 0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	43	Resp:	12176
Ion	Ratio	Lower	Upper
43	100		
86	8.3	5.6	8.4
42	12.5	8.0	12.0#
44	19.2	3.9	5.9#





#24

1,1-Dichloroethane

Concen: 0.109 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

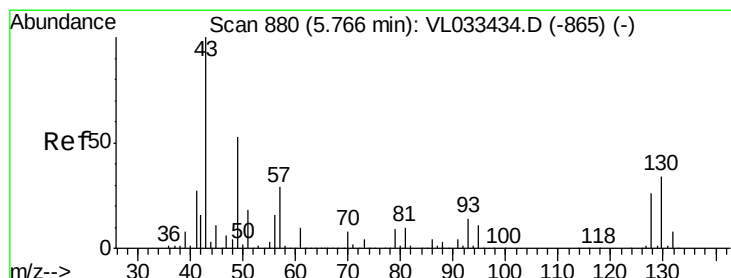
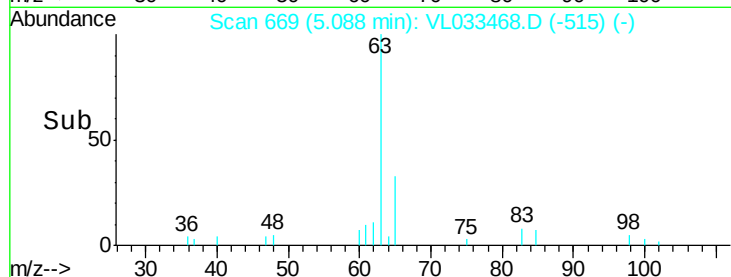
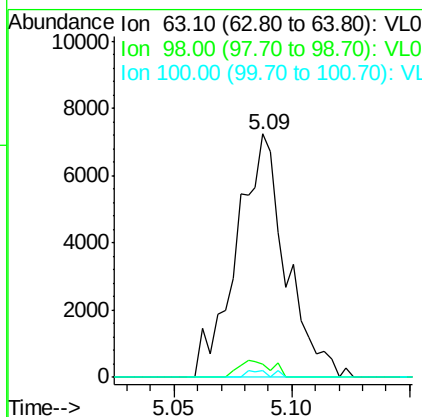
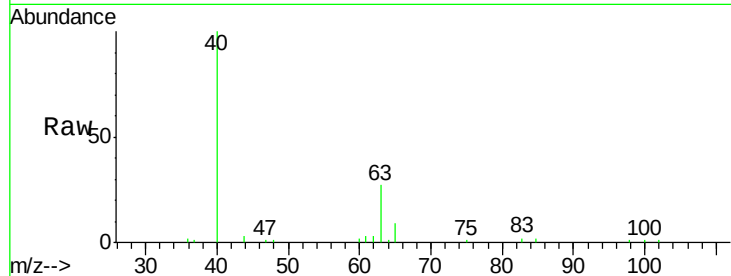
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	63	Resp:	10549
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.2	6.6
100	2.8	1.5	4.4

Manual Integrations
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MMDadoda
4/1/2019 1:56:23 AM



#25

Ethyl Acetate

Concen: 0.106 ppbv

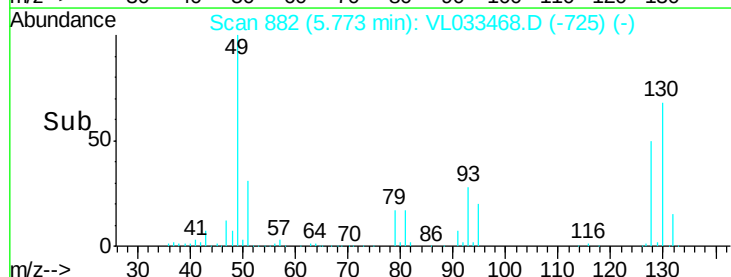
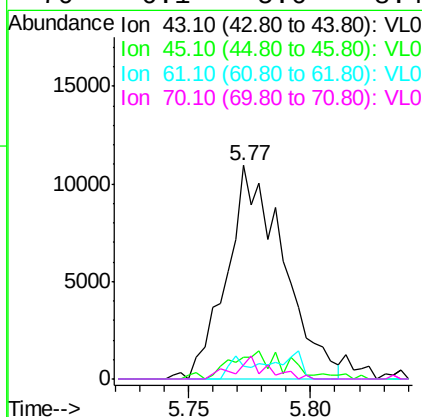
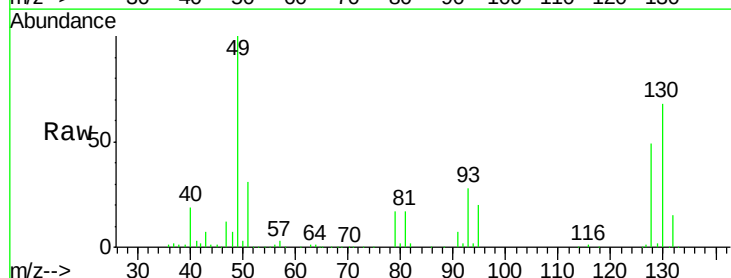
RT: 5.77 min Scan# 882

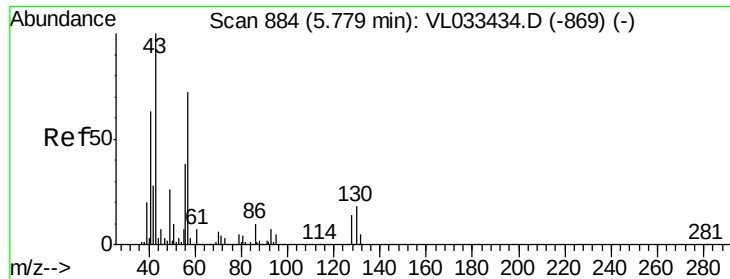
Delta R.T. 0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	43	Resp:	17511
Ion	Ratio	Lower	Upper
43	100		
45	13.7	7.8	11.6#
61	42.2	7.3	10.9#
70	6.1	5.6	8.4





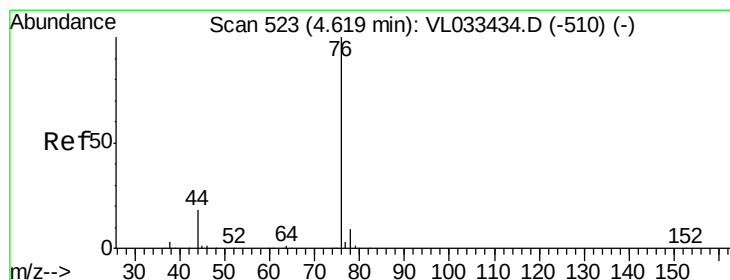
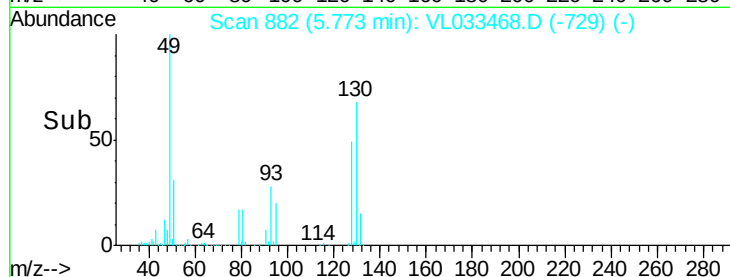
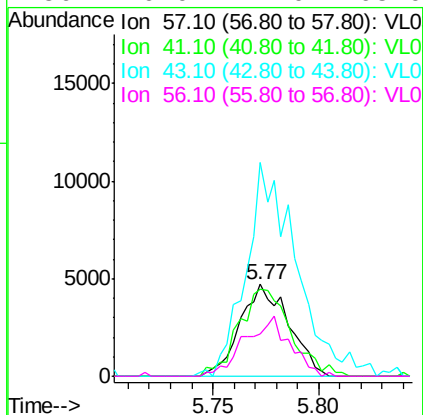
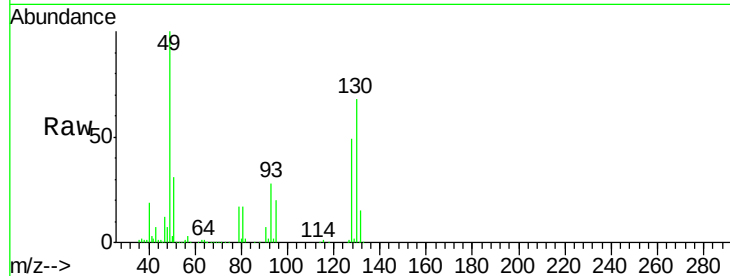
#26
Hexane
Concen: 0.102 ppbv m
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	57	Resp	7543
Ion	Ratio	Lower	Upper
57	100		
41	101.3	70.7	106.1
43	245.0	182.6	274.0
56	0.0	42.0	63.0#

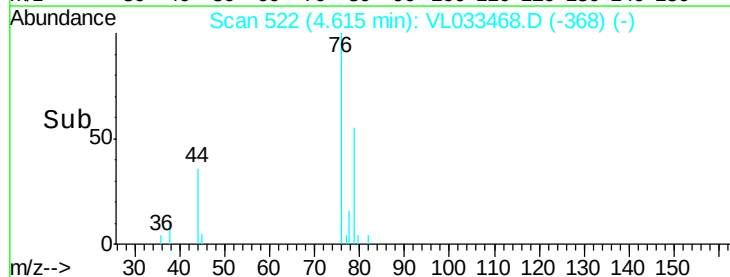
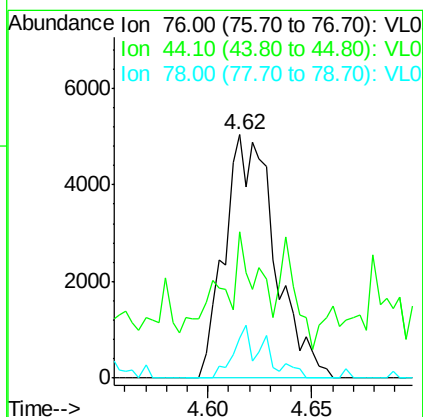
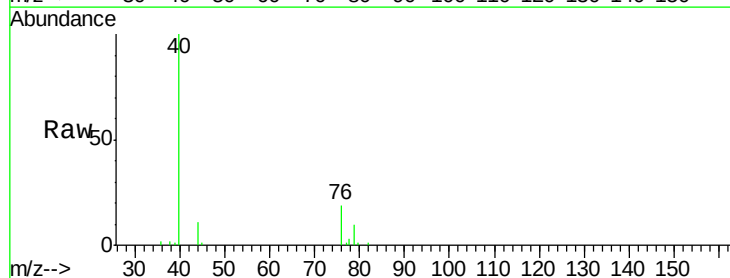
Manual Integrations
APPROVED

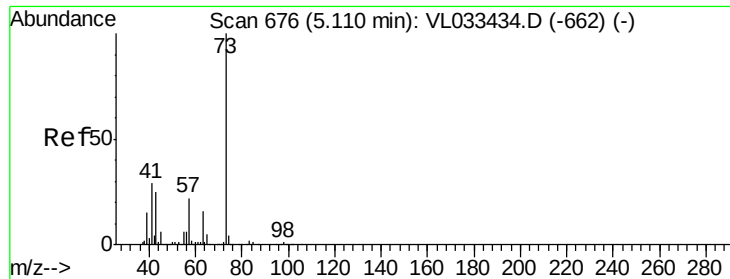
MMDadoda
4/1/2019 1:56:23 AM



#27
Carbon Disulfide
Concen: 0.096 ppbv m
RT: 4.62 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	76	Resp	8450
Ion	Ratio	Lower	Upper
76	100		
44	74.2	14.8	22.2#
78	0.0	7.6	11.4#





#28

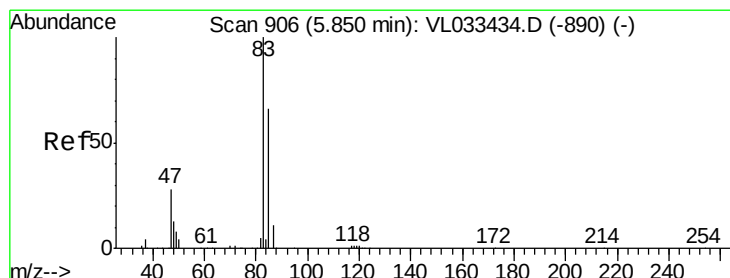
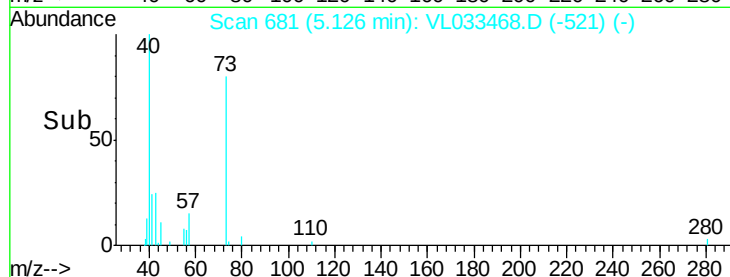
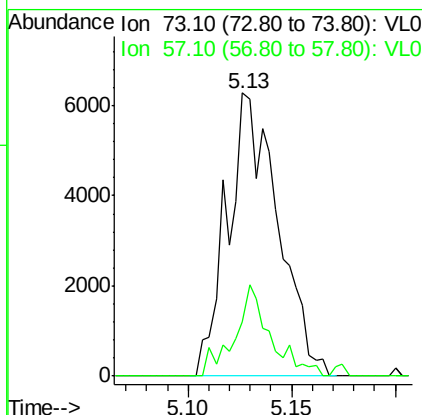
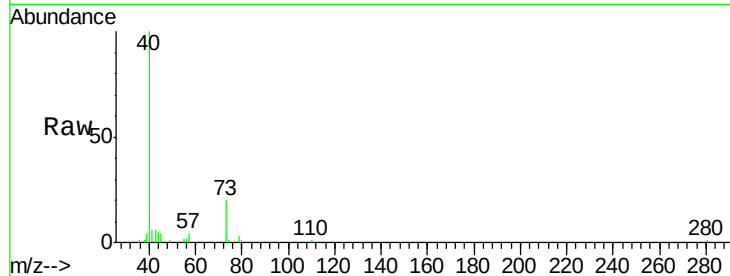
Methyl tert-Butyl Ether
 Concen: 0.100 ppbv m
 RT: 5.13 min Scan# 681
 Delta R.T. 0.02 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Tot Ion: 73 Resp: 10659
 Ion Ratio Lower Upper
 73 100
 57 0.0 17.4 26.2#

Manual Integrations
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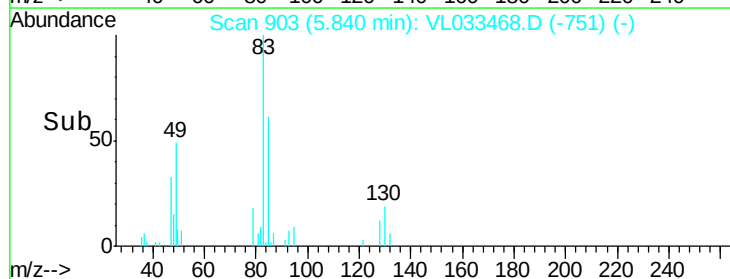
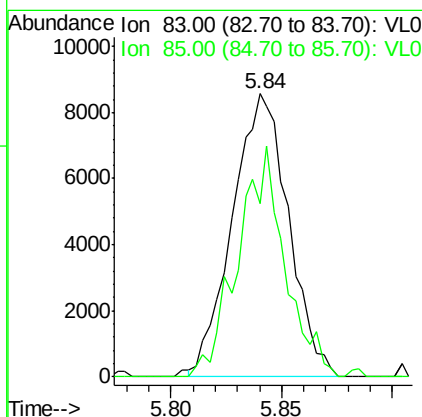
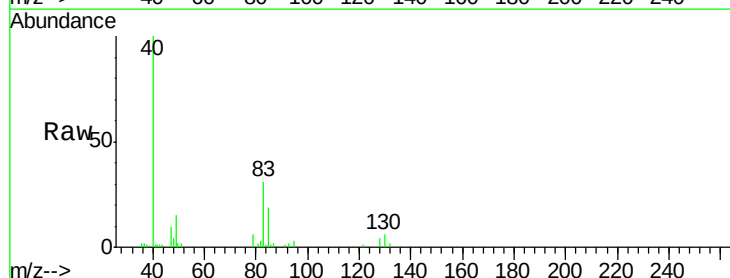
MMDadoda
 4/1/2019 1:56:23 AM

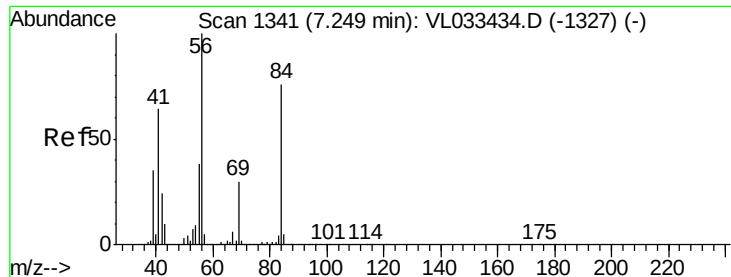


#29

Chloroform
 Concen: 0.120 ppbv
 RT: 5.84 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Tgt Ion: 83 Resp: 15134
 Ion Ratio Lower Upper
 83 100
 85 61.1 52.6 79.0





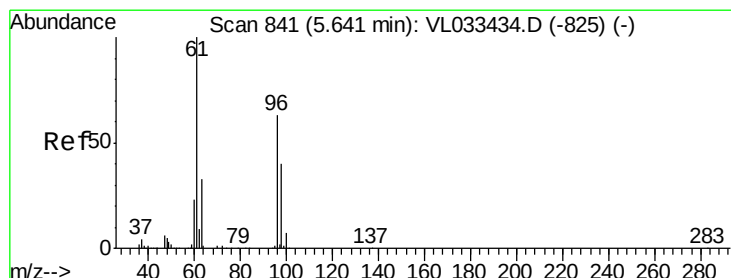
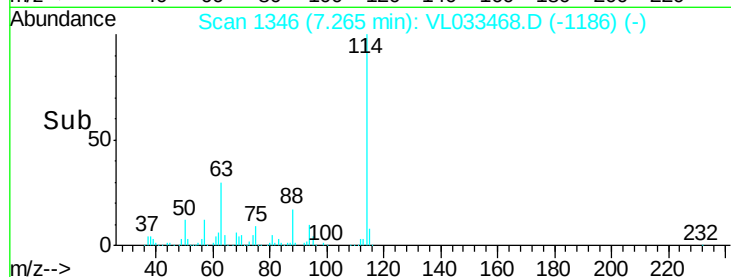
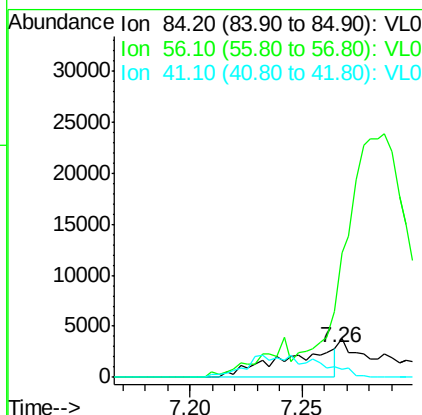
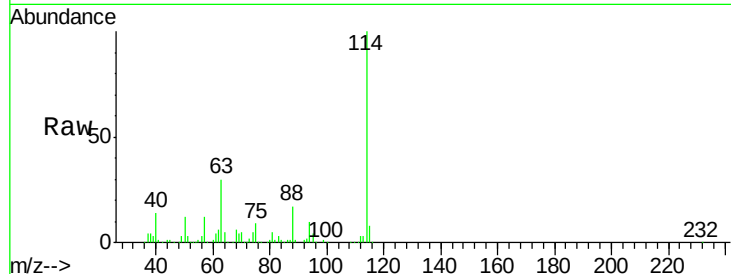
#30
Cyclohexane
Concen: 0.086 ppbv m
RT: 7.26 min Scan# 1346
Delta R.T. 0.02 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.7	164.5#
41	0.0	68.2	102.2#

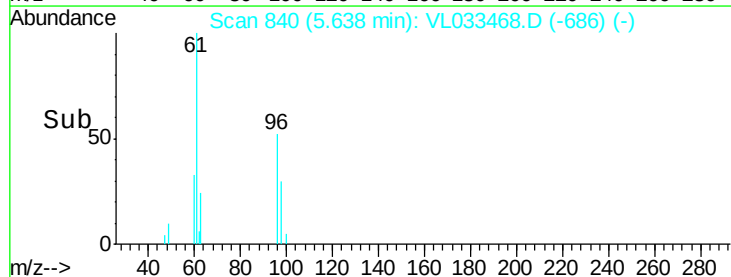
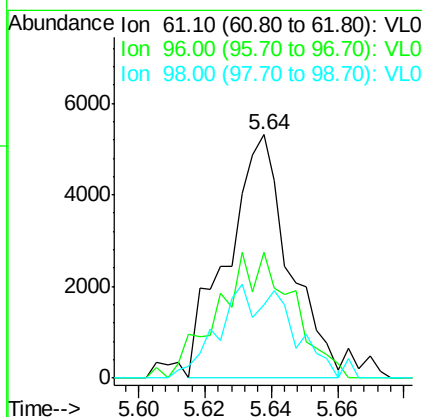
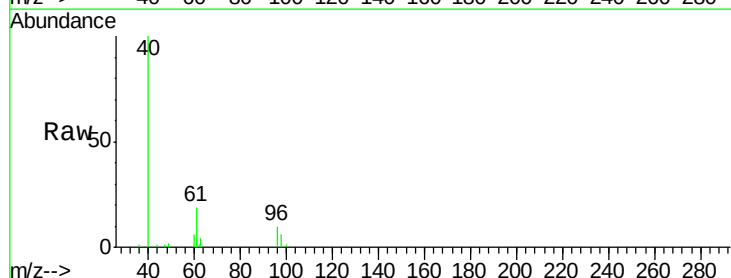
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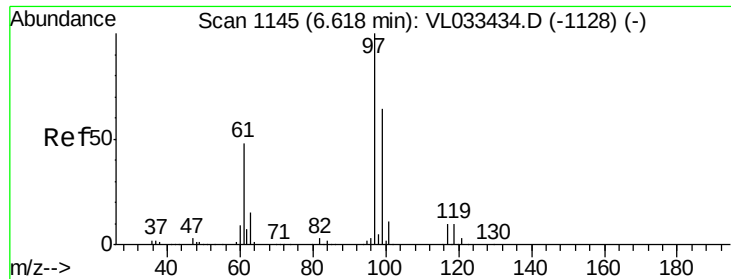
MMDadoda
4/1/2019 1:56:23 AM



#31
cis-1,2-Dichloroethene
Concen: 0.094 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
61	100		
96	47.5	50.6	76.0#
98	31.2	32.2	48.2#





#32

1,1,1-Trichloroethane

Concen: 0.114 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

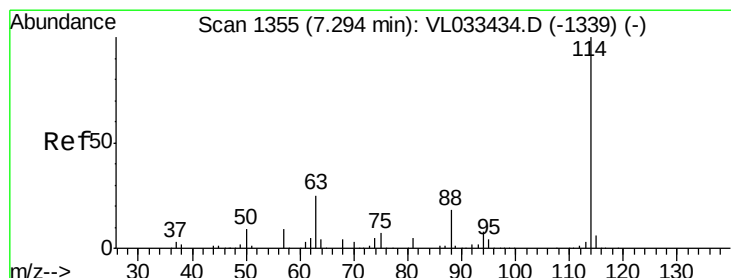
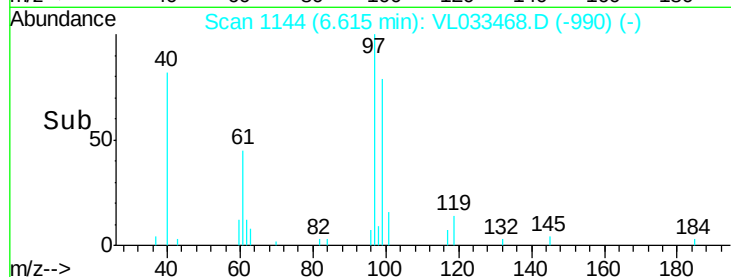
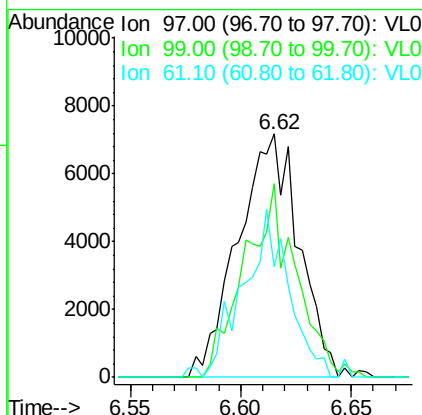
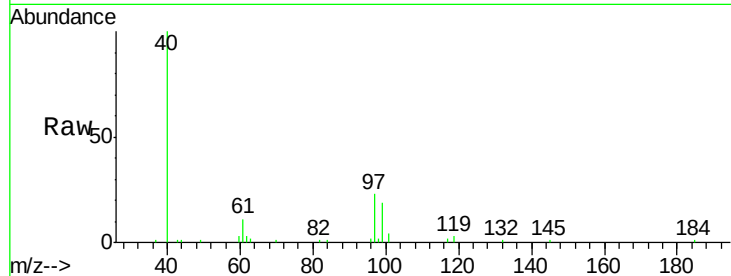
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	97	Resp:	13720
Ion	Ratio	Lower	Upper
97	100		
99	67.9	51.5	77.3
61	53.0	38.8	58.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

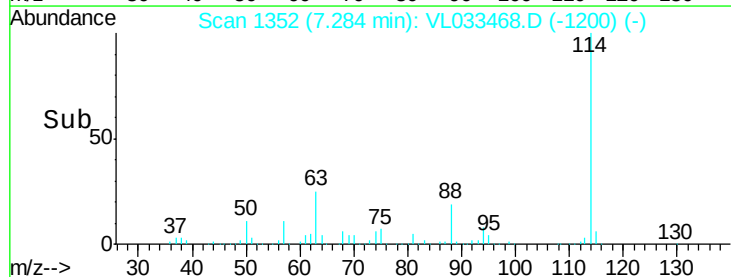
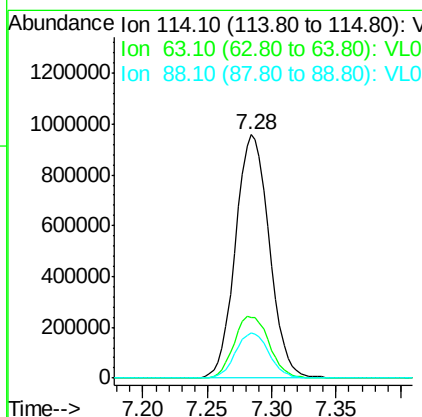
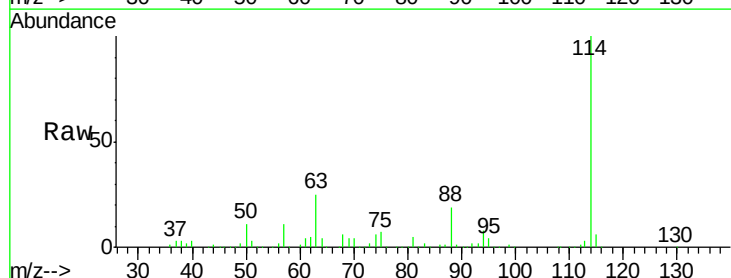
RT: 7.28 min Scan# 1352

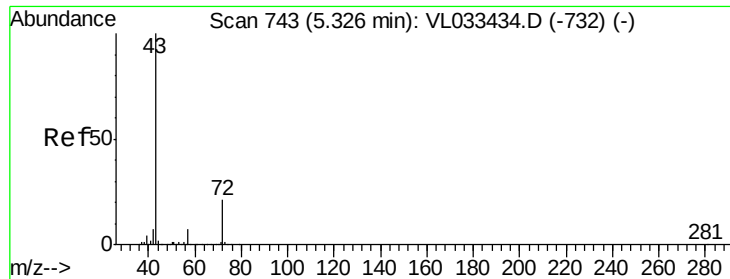
Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	114	Resp:	1749634
Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.5	32.3
88	18.3	14.5	21.7





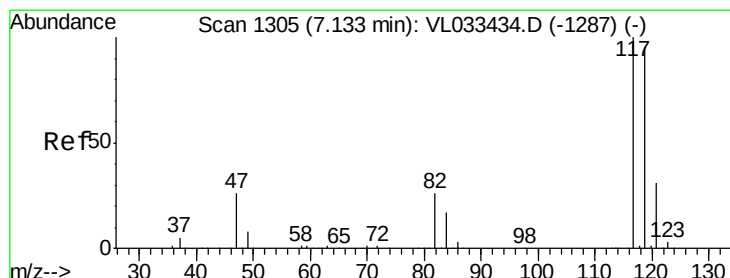
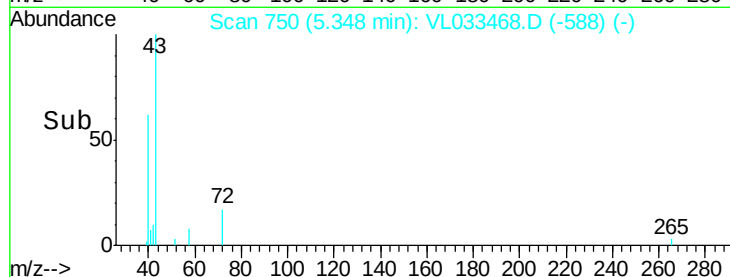
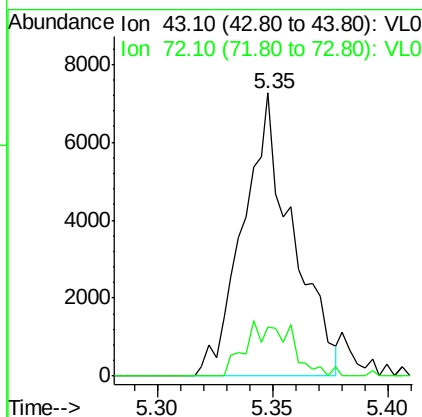
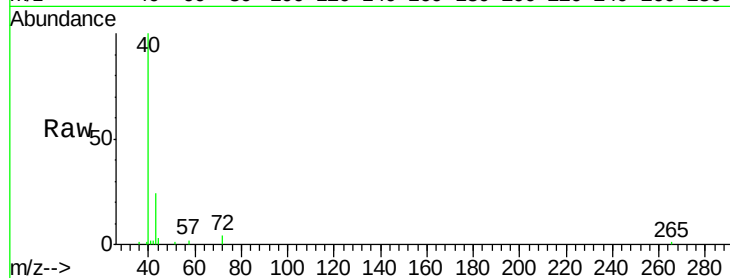
#34
2-Butanone
Concen: 0.102 ppbv m
RT: 5.35 min Scan# 750
Delta R.T. 0.02 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion: 43 Resp: 10751
Ion Ratio Lower Upper
43 100
72 18.0 17.4 26.2

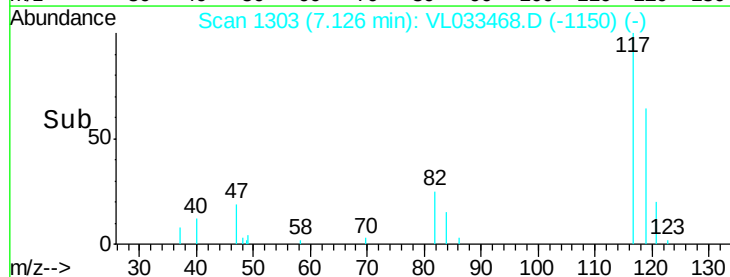
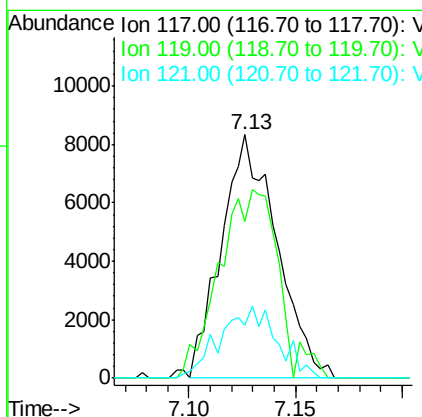
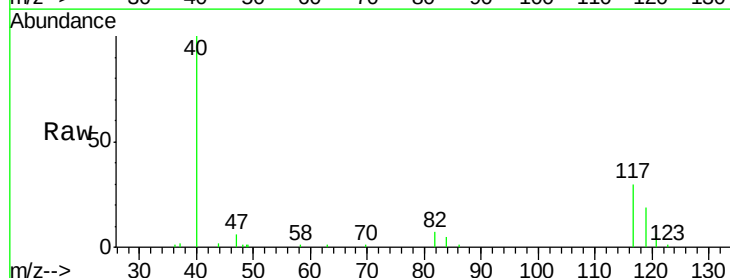
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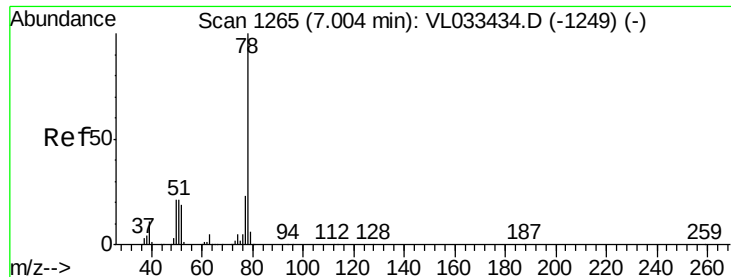
MMDadoda
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#35
Carbon Tetrachloride
Concen: 0.121 ppbv m
RT: 7.13 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion: 117 Resp: 15019
Ion Ratio Lower Upper
117 100
119 64.5 75.8 113.8#
121 21.6 24.7 37.1#





#36

Benzene

Concen: 0.088 ppbv

RT: 7.00 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

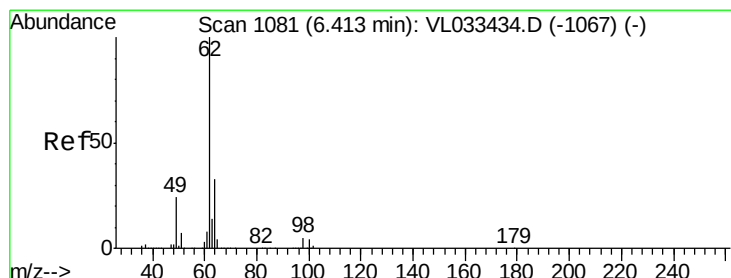
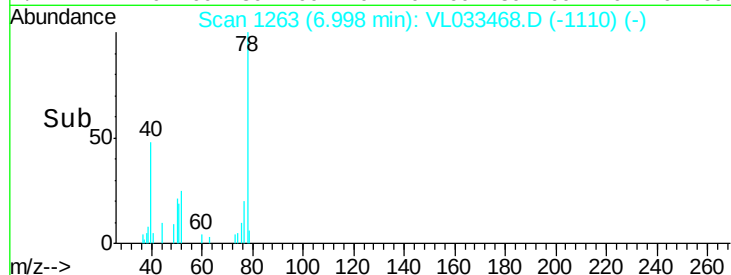
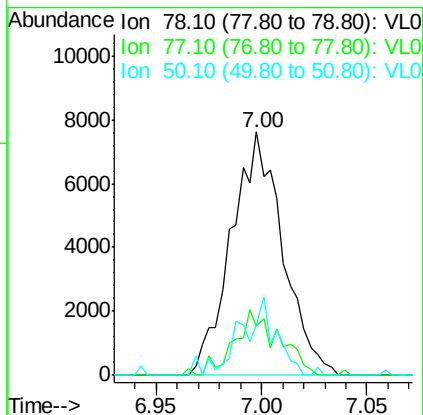
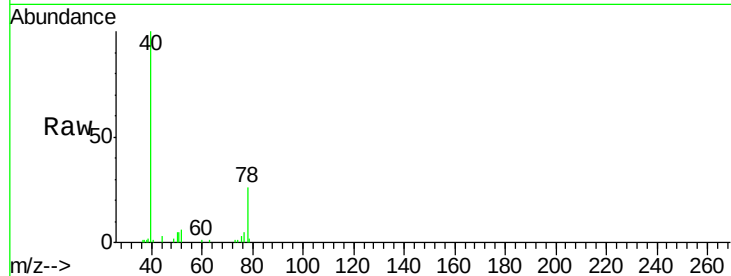
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	78	Resp:	12885
Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.1	27.1
50	20.9	16.7	25.1

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#37

1,2-Dichloroethane

Concen: 0.111 ppbv

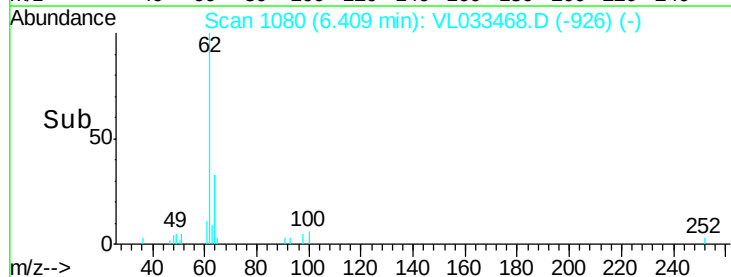
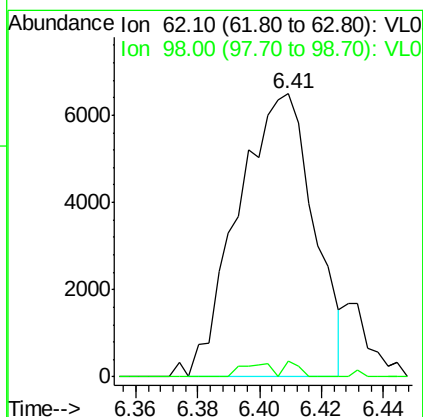
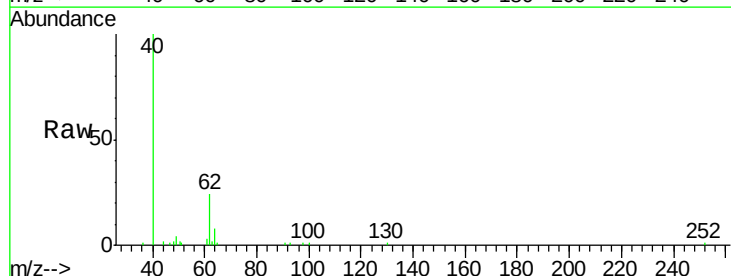
RT: 6.41 min Scan# 1080

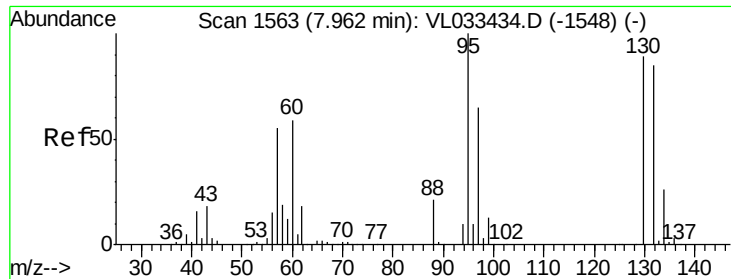
Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	62	Resp:	10959
Ion	Ratio	Lower	Upper
62	100		
98	3.0	4.4	6.6#





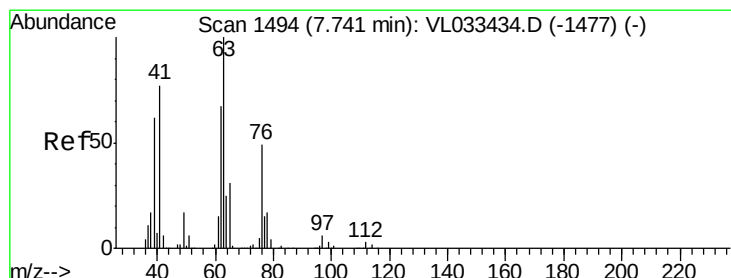
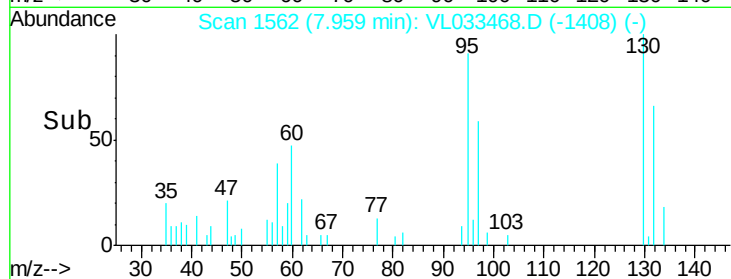
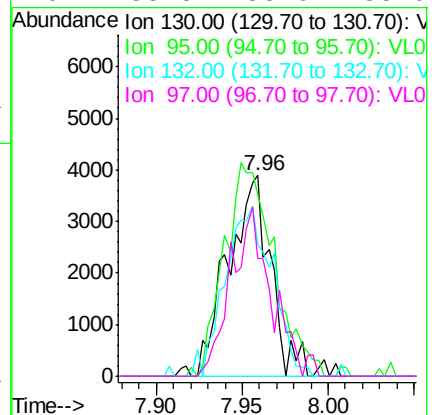
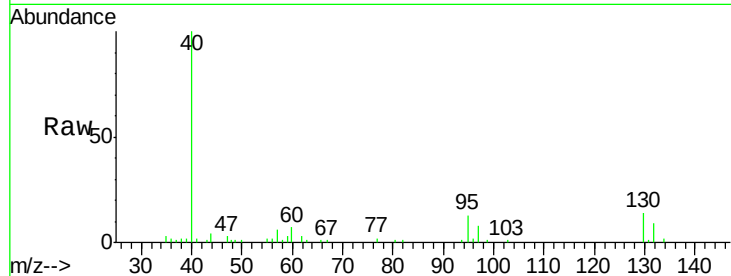
#38
 Trichloroethene
 Concen: 0.124 ppbv m
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
130	100		
95	90.5	89.8	134.8
132	65.7	76.6	115.0#
97	58.8	58.6	88.0

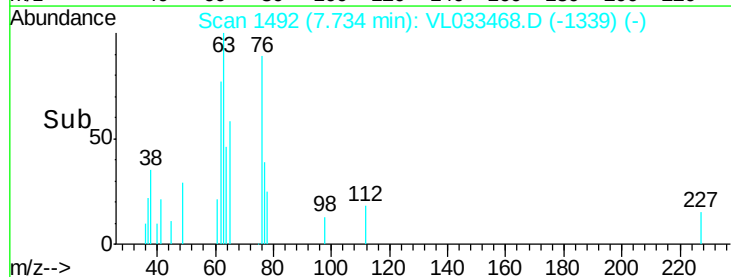
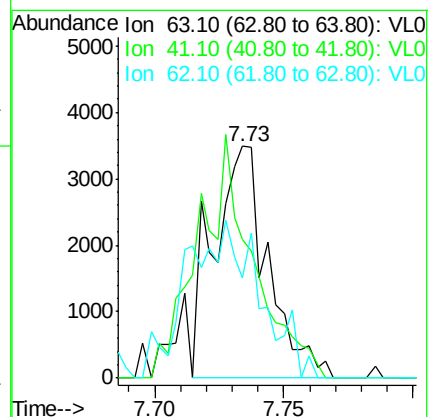
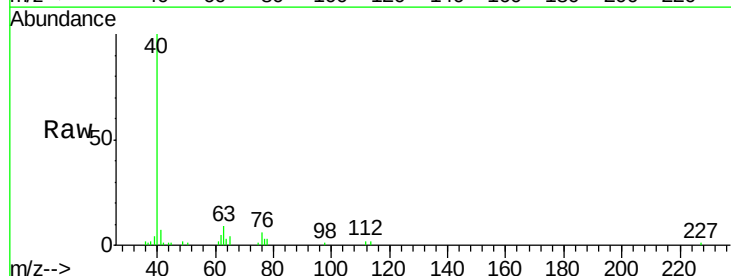
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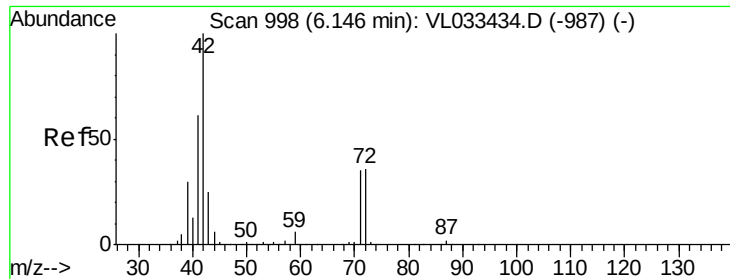
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#39
 1,2-Dichloropropane
 Concen: 0.089 ppbv m
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
63	100		
41	81.2	61.2	91.8
62	58.2	54.0	81.0





#41

Tetrahydrofuran

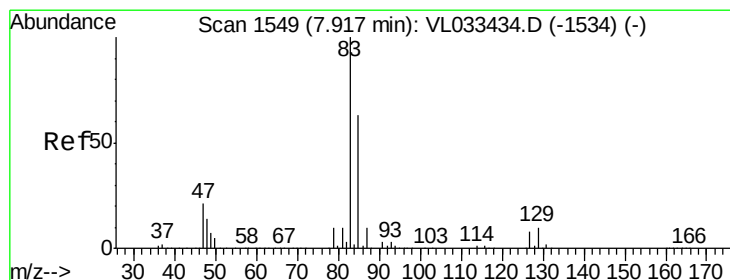
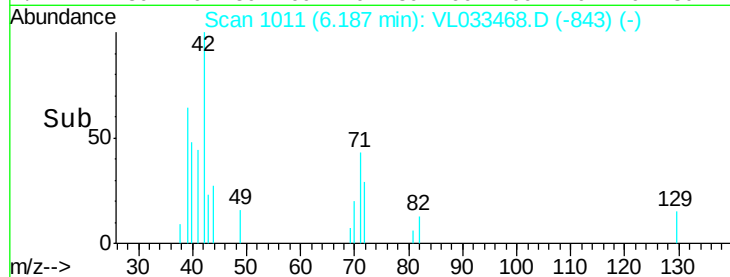
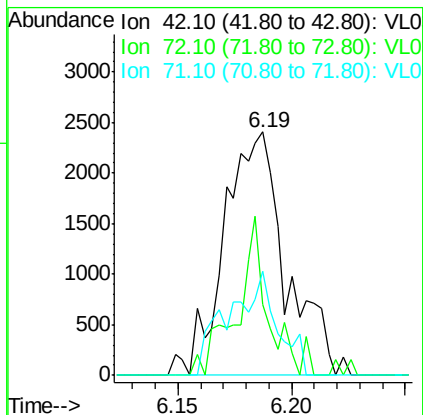
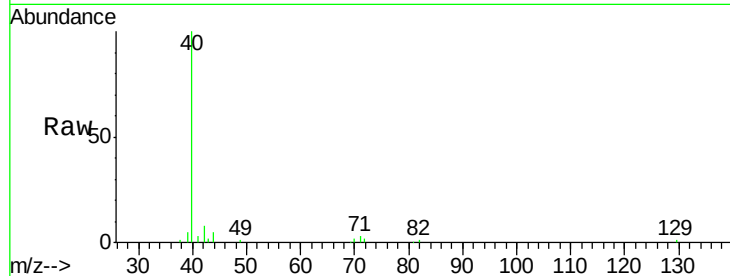
Concen: 0.077 ppbv m
RT: 6.19 min Scan# 1011
Delta R.T. 0.04 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.2	45.2#
71	0.0	29.4	44.2#

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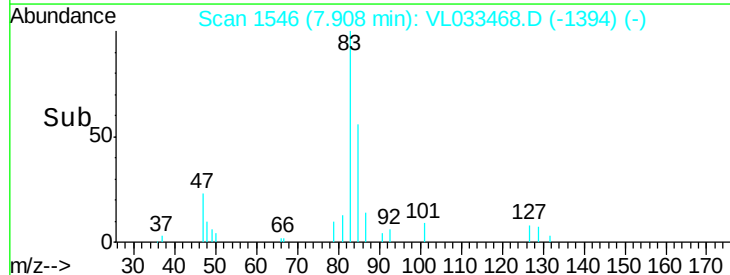
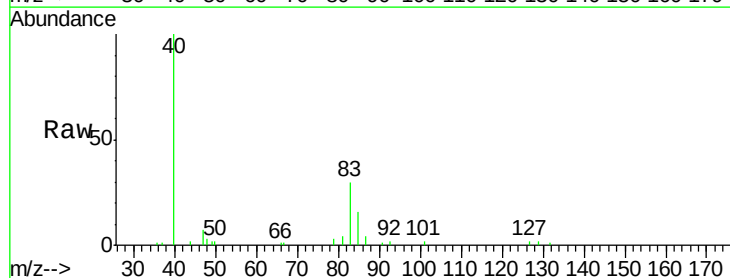
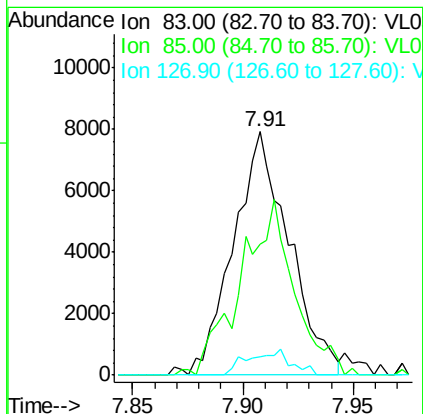


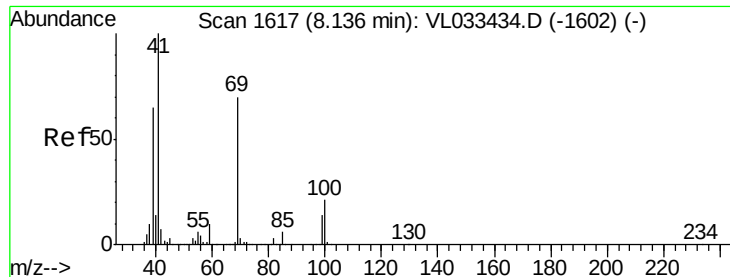
#42

Bromodichloromethane

Concen: 0.103 ppbv
RT: 7.91 min Scan# 1546
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.5	50.7	76.1
127	7.3	6.6	9.8





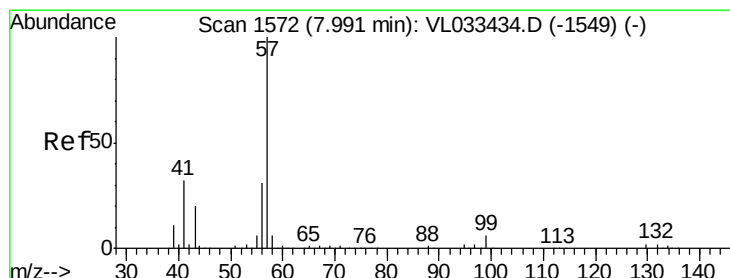
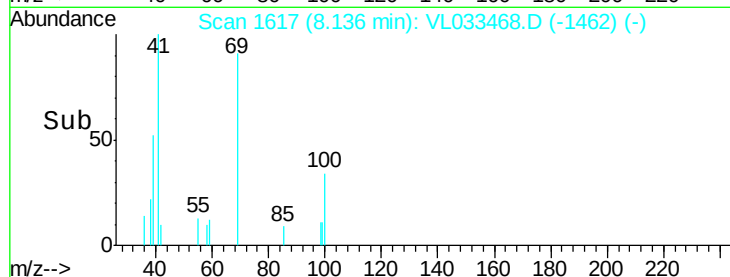
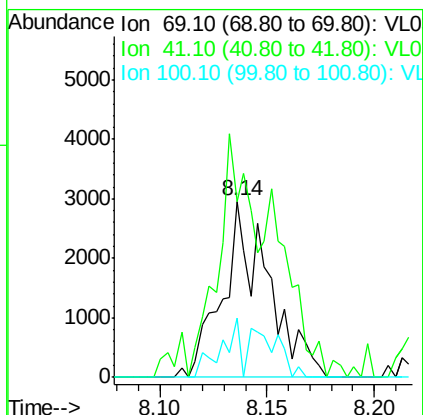
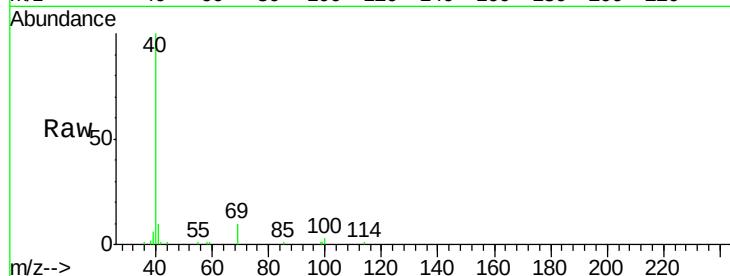
#43
Methvl Methacrylate
Concen: 0.073 ppbv m
RT: 8.14 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
69	100		
41	172.0	116.6	174.8
100	31.5	24.4	36.6

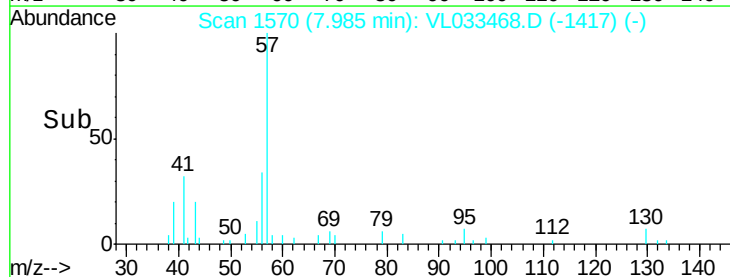
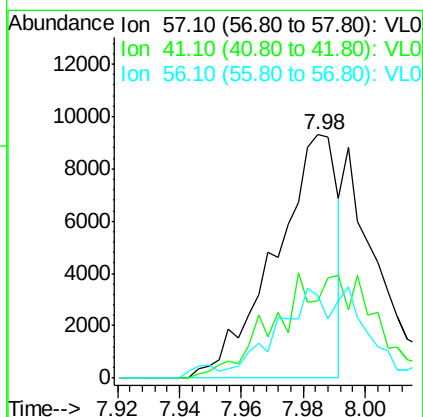
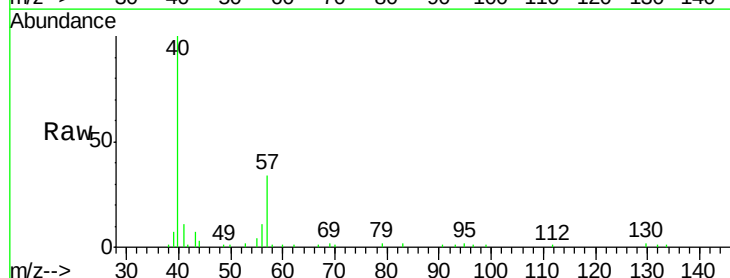
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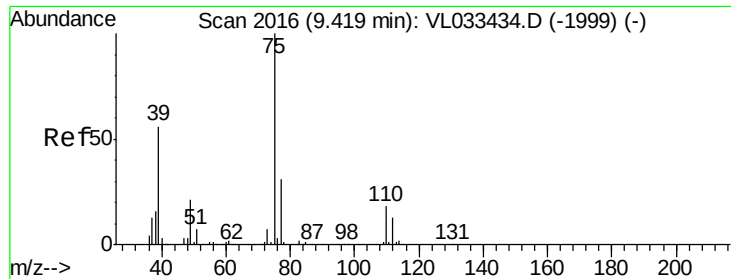
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#44
2,2,4-Trimethylpentane
Concen: 0.050 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	67.2	26.0	39.0#
56	0.0	24.6	37.0#





#45

t-1,3-Dichloropropene

Concen: 0.068 ppbv m

RT: 9.41 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tot Ion: 75 Resp: 4993

Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7

Instrument :

MSVOA_L

ClientSampleId :

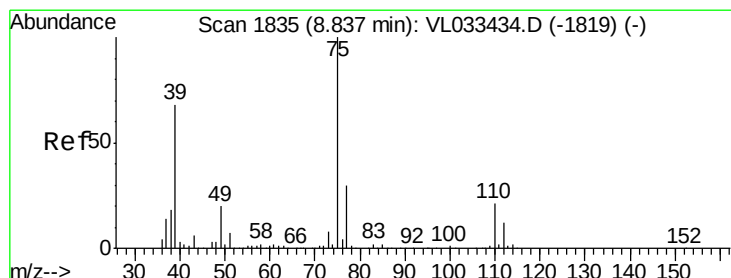
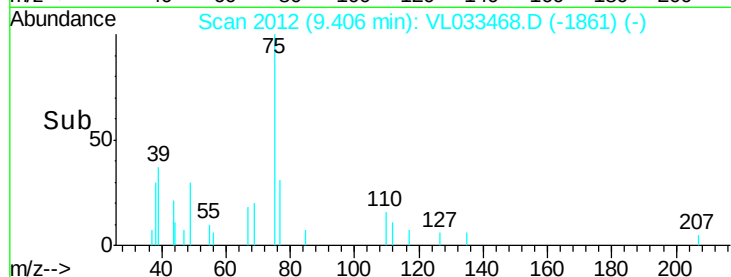
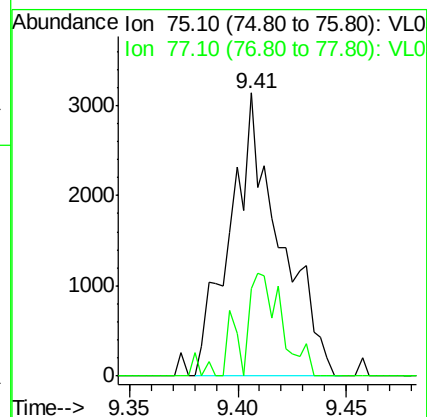
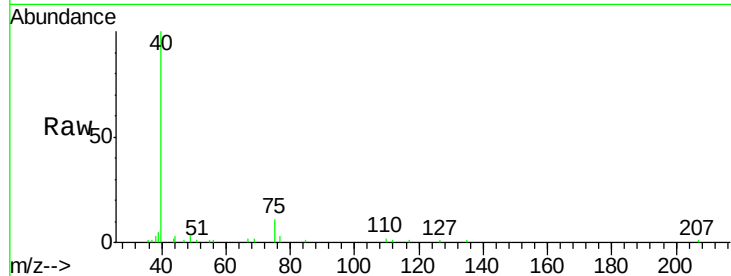
MDL-MDL-AIR-03-QT1-2019

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#46

cis-1,3-Dichloropropene

Concen: 0.072 ppbv m

RT: 8.83 min Scan# 1834

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

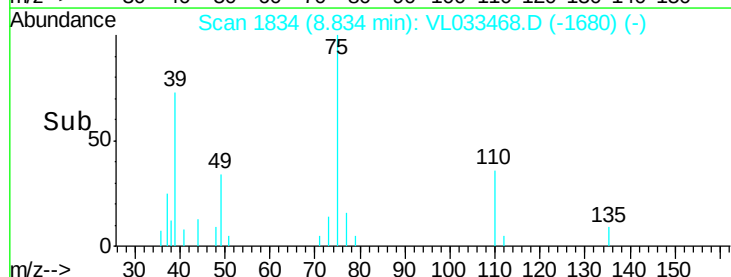
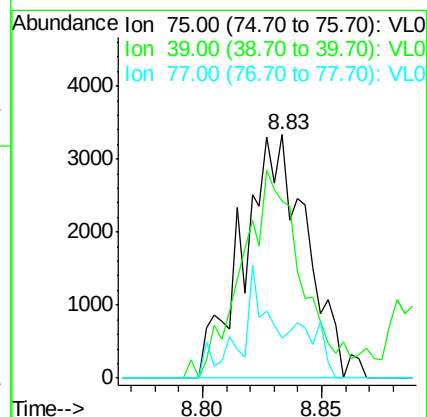
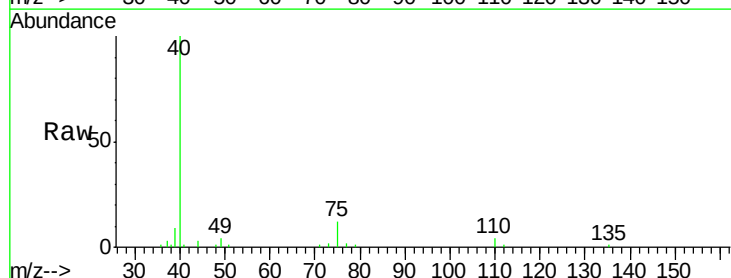
Tgt Ion: 75 Resp: 6150

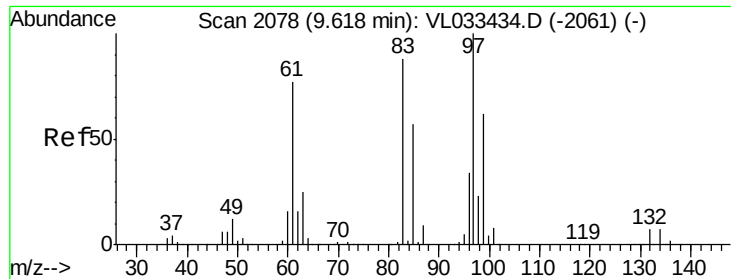
Ion Ratio Lower Upper

75 100

39 73.0 54.1 81.1

77 16.2 23.9 35.9#





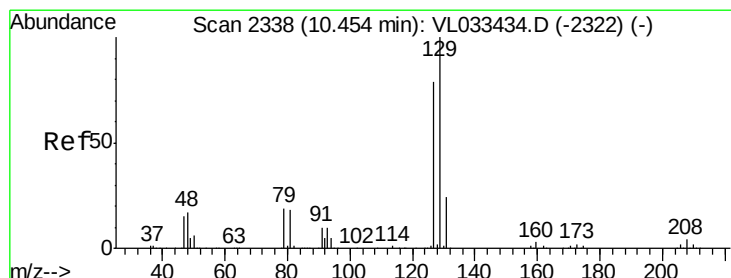
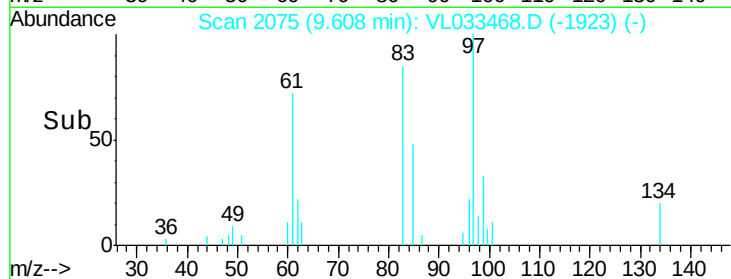
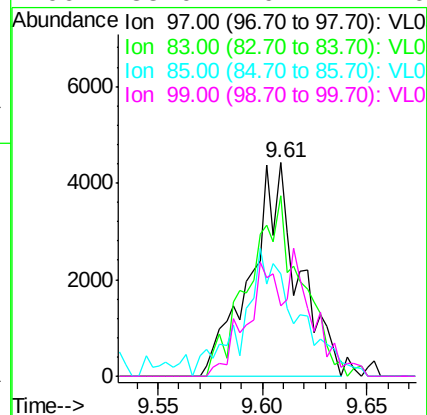
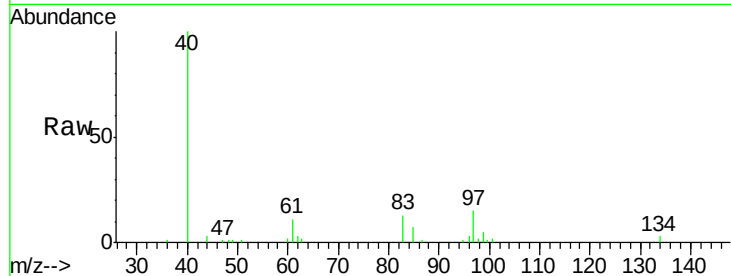
#47
 1,1,2-Trichloroethane
 Concen: 0.108 ppbv m
 RT: 9.61 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.5	70.5	105.7	
85	48.0	45.6	68.4	
99	33.0	49.4	74.0	

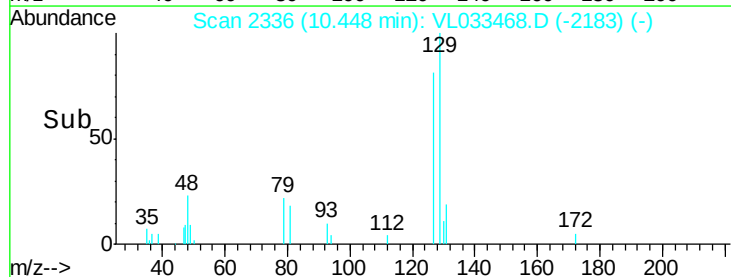
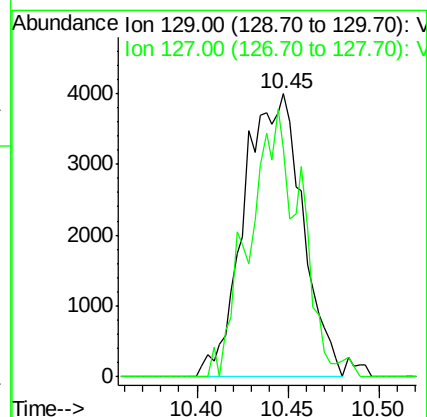
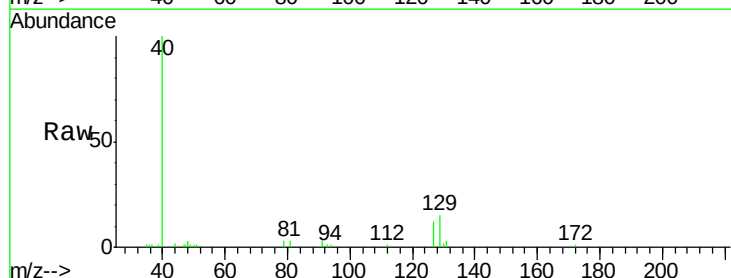
Manual Integrations
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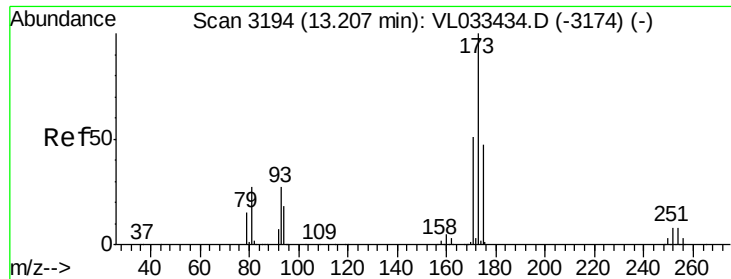
MMDadoda
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#48
 Dibromochloromethane
 Concen: 0.081 ppbv m
 RT: 10.45 min Scan# 2336
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	0.0	39.1	117.2	





#49

Bromoform

Concen: 0.077 ppbv m

RT: 13.19 min Scan# 3189

Delta R.T. -0.02 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

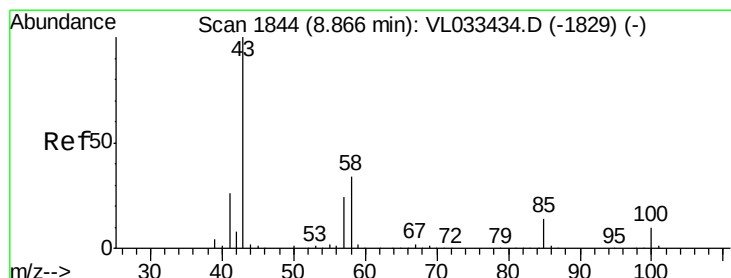
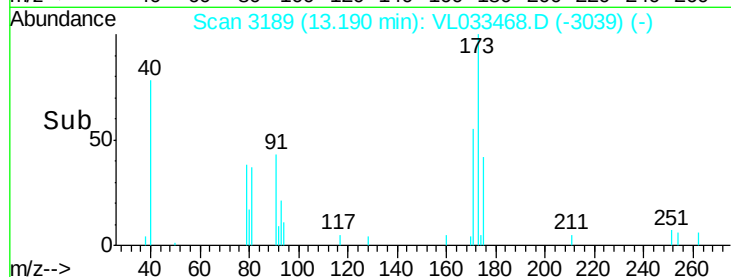
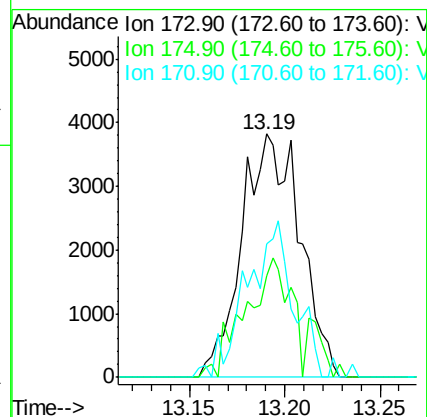
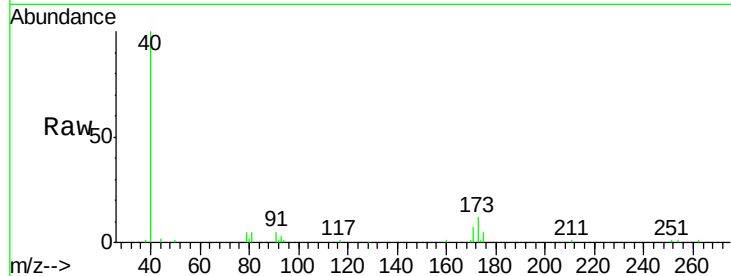
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	173	Resp:	8094
Ion	Ratio	Lower	Upper
173	100		
175	44.8	39.3	58.9
171	52.6	41.2	61.8

Manual Integrations
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MMDadoda
4/1/2019 1:56:23 AM



#50

4-Methyl-2-Pentanone

Concen: 0.066 ppbv m

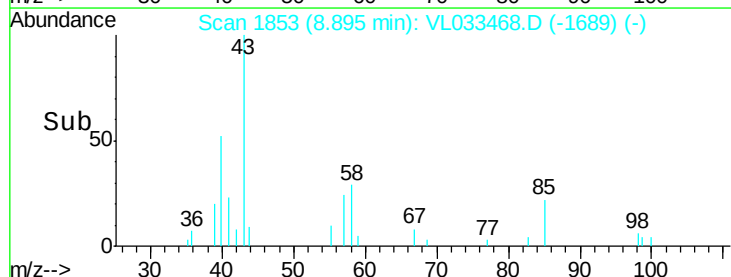
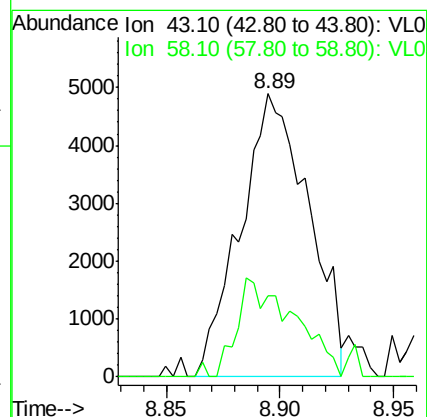
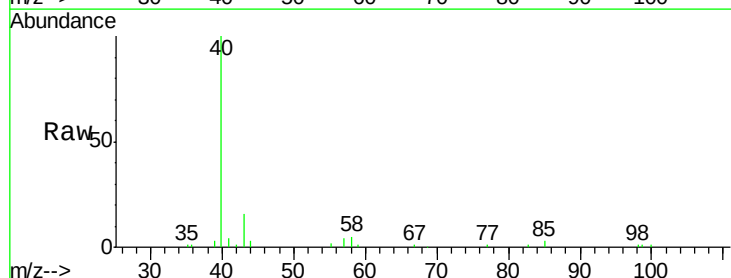
RT: 8.89 min Scan# 1853

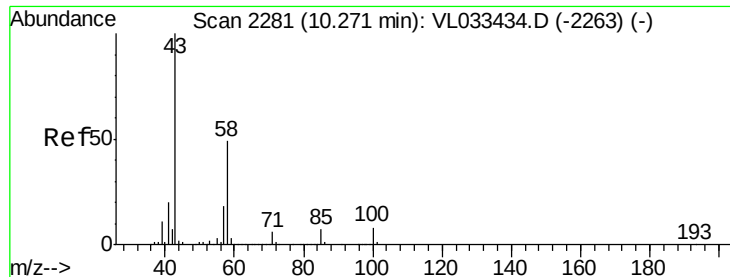
Delta R.T. 0.03 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	43	Resp:	10220
Ion	Ratio	Lower	Upper
43	100		
58	31.2	28.0	42.0





#51

2-Hexanone

Concen: 0.065 ppbv m

RT: 10.30 min Scan# 2289

Delta R.T. 0.03 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

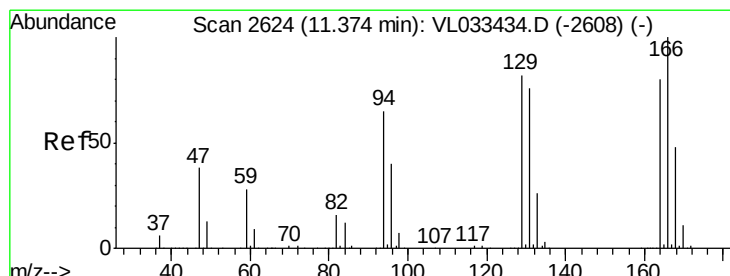
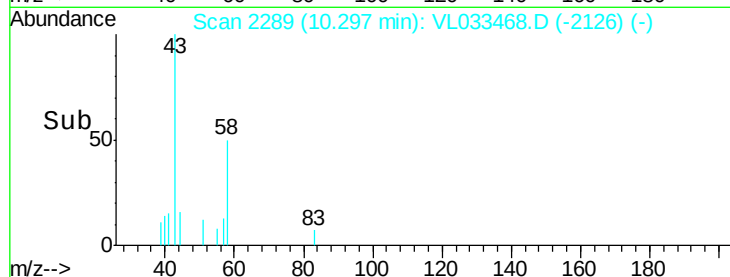
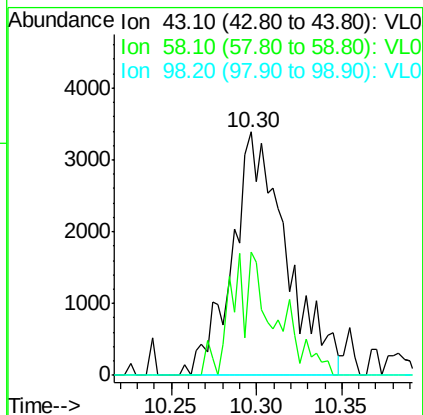
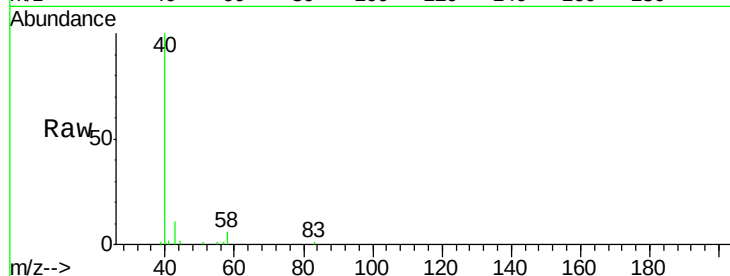
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	43	Resp:	7490
Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.2	57.2#
98	0.0	0.2	0.2#

Manual Integrations
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MMDadoda
4/1/2019 1:56:23 AM



#52

Tetrachloroethene

Concen: 0.103 ppbv m

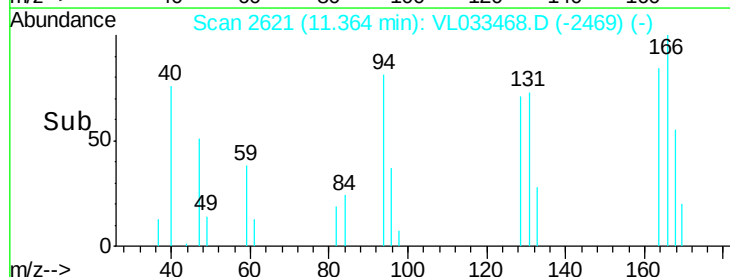
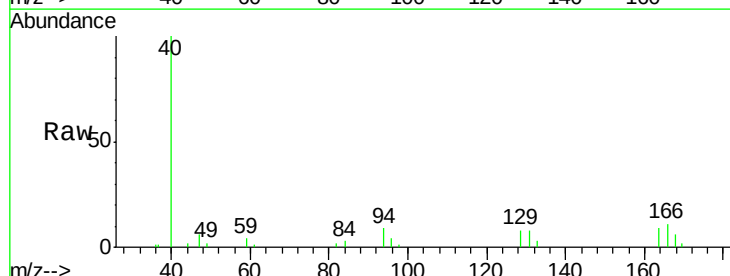
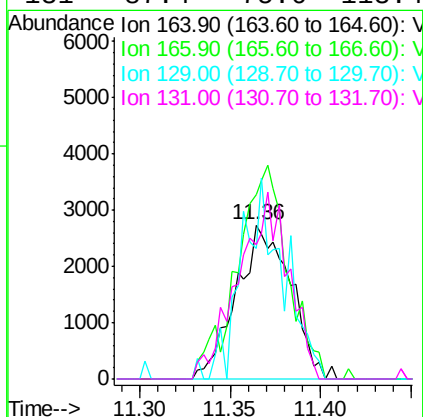
RT: 11.36 min Scan# 2621

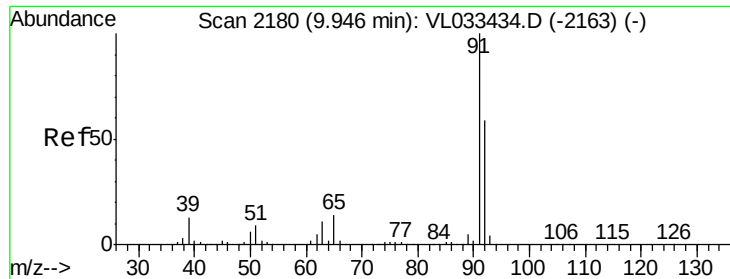
Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	164	Resp:	5720
Ion	Ratio	Lower	Upper
164	100		
166	119.7	99.5	149.3
129	85.1	81.4	122.2
131	87.4	75.6	113.4





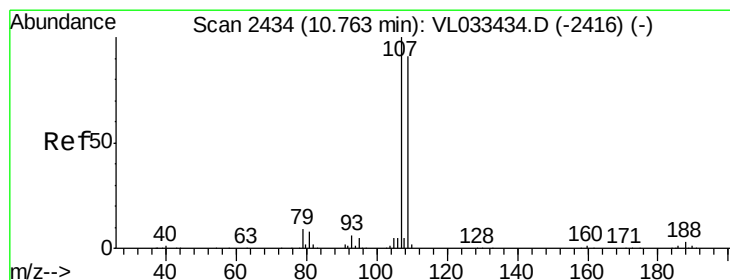
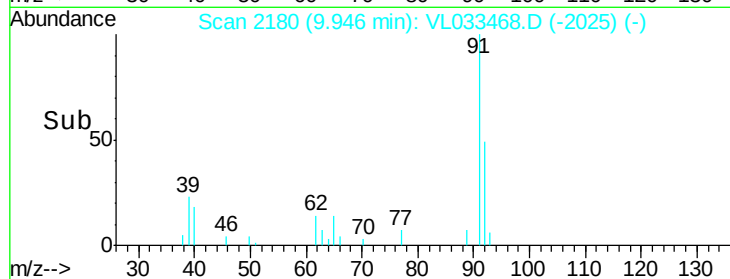
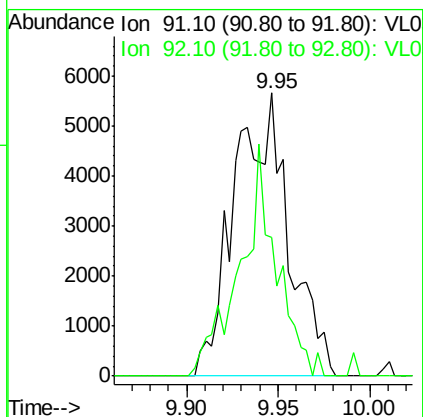
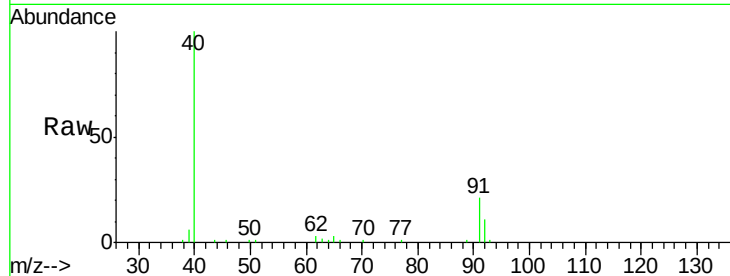
#53
Toluene
Concen: 0.069 ppbv m
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion: 91 Resp: 11698
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#

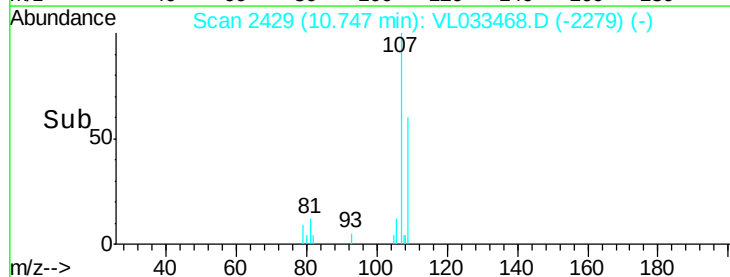
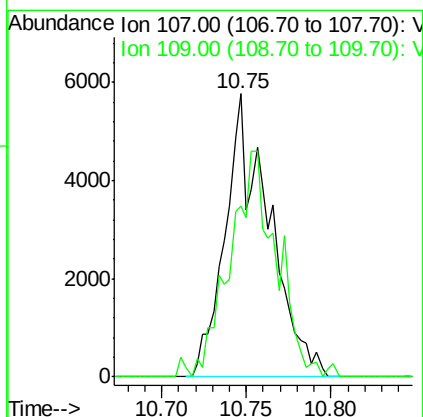
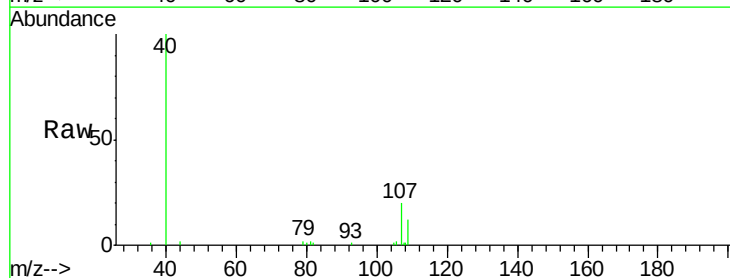
Manual Integrations
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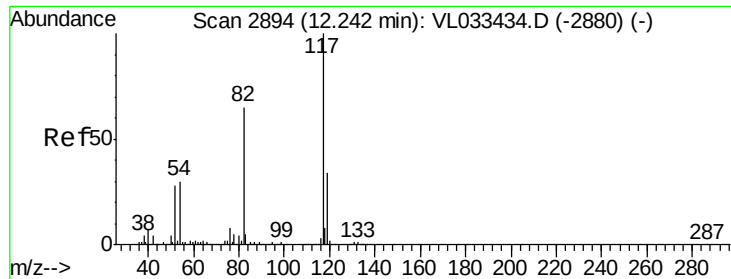
MMDadoda
4/1/2019 1:56:23 AM



#54
1,2-Dibromoethane
Concen: 0.101 ppbv m
RT: 10.75 min Scan# 2429
Delta R.T. -0.02 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion: 107 Resp: 10276
Ion Ratio Lower Upper
107 100
109 60.3 72.7 109.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:117 Resp: 1722021

Ion Ratio Lower Upper

117 100

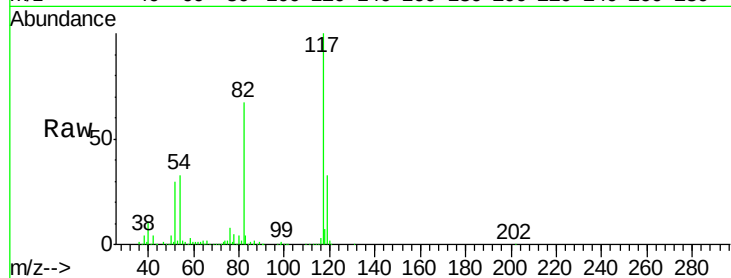
82 67.1 51.5 77.3

119 32.5 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

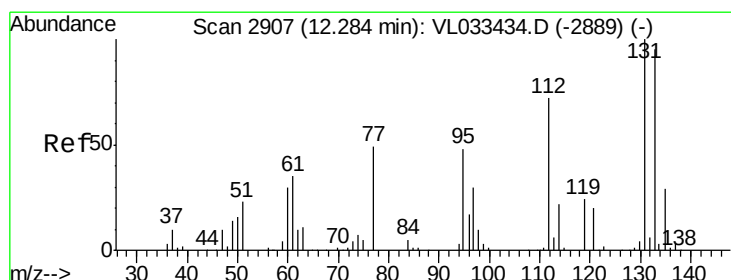
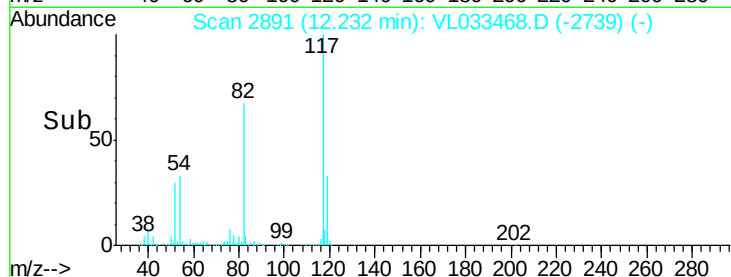
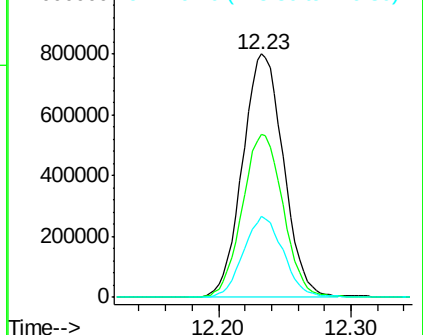
4/1/2019 1:56:23 AM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.113 ppbv m

RT: 12.27 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

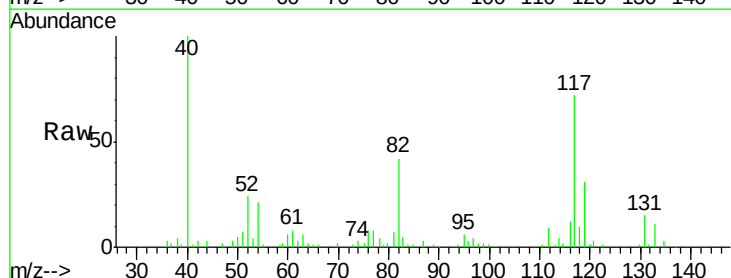
Tgt Ion:131 Resp: 8912

Ion Ratio Lower Upper

131 100

133 0.0 76.2 114.4#

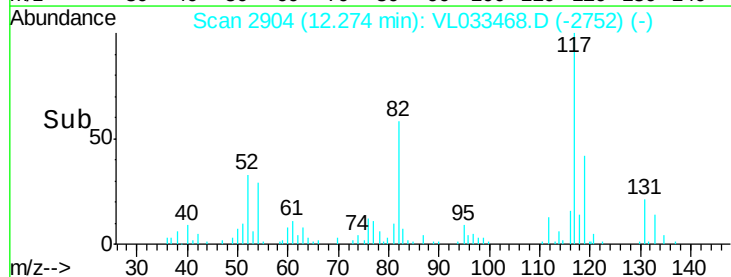
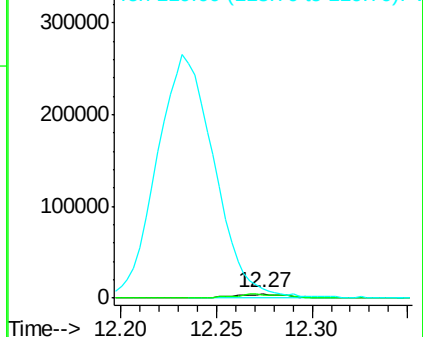
119 0.0 45.0 67.6#

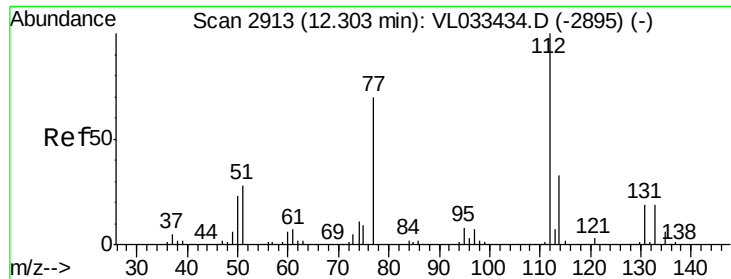


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





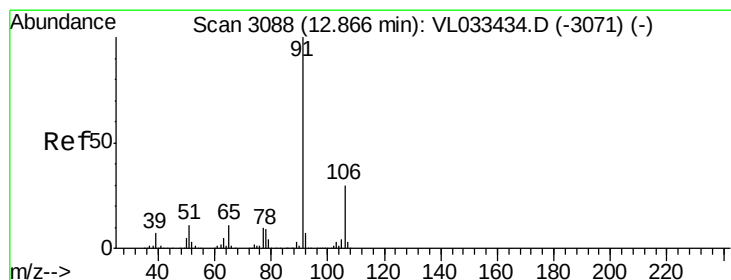
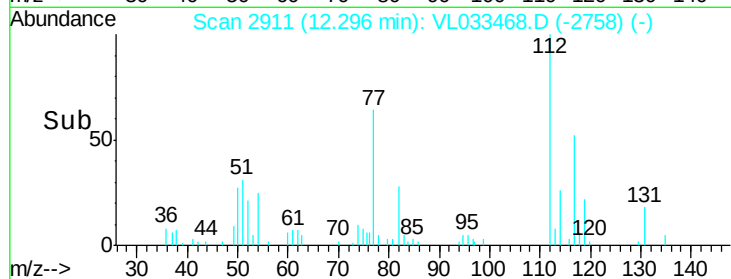
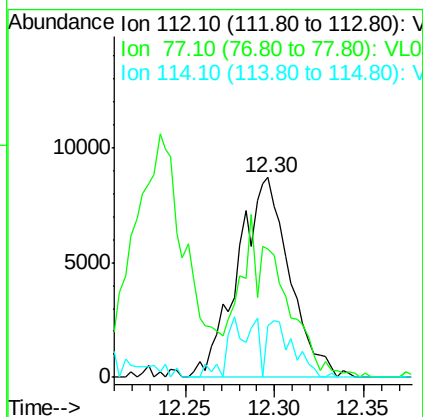
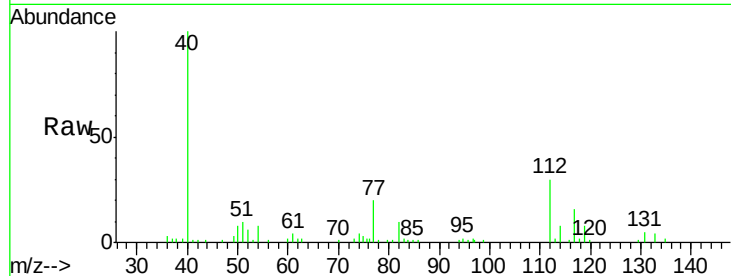
#57
Chlorobenzene
Concen: 0.133 ppbv m
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
112	100		
77	64.4	57.3	85.9
114	26.1	29.8	36.4#

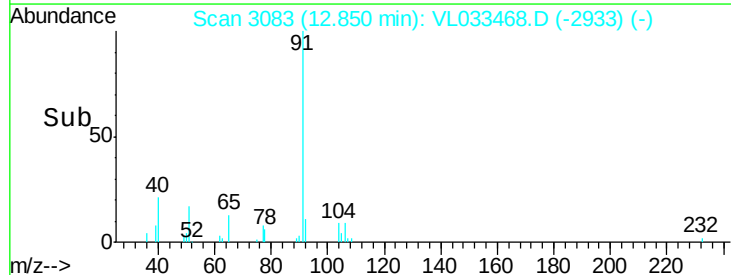
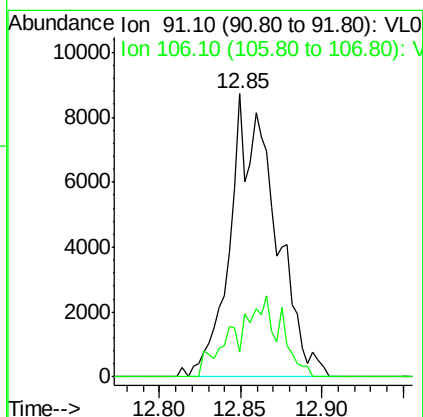
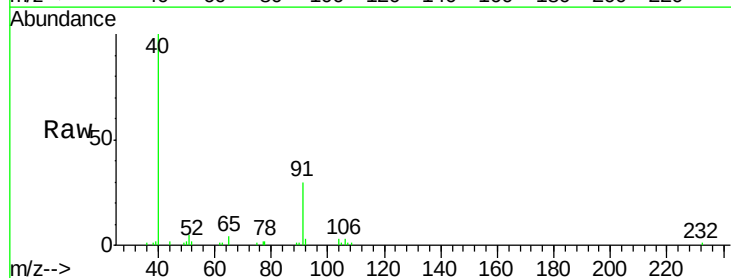
Manual Integrations
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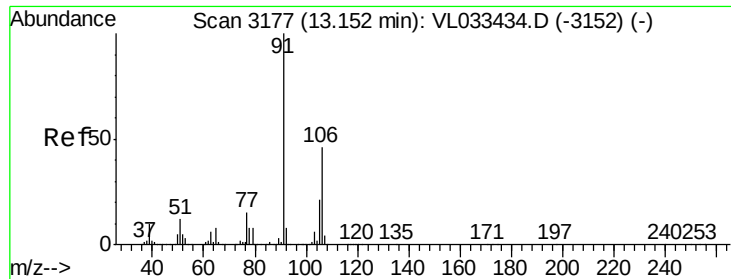
MMDadoda
4/1/2019 1:56:23 AM



#58
Ethyl Benzene
Concen: 0.072 ppbv m
RT: 12.85 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	8.8	23.8	35.6#





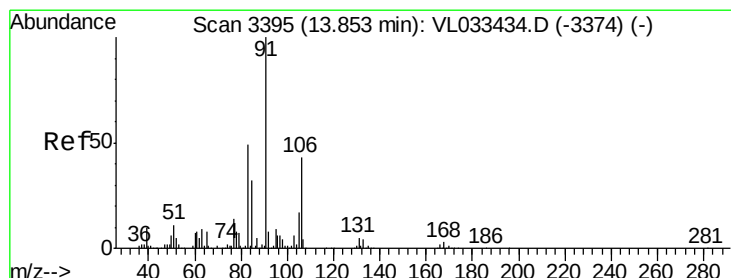
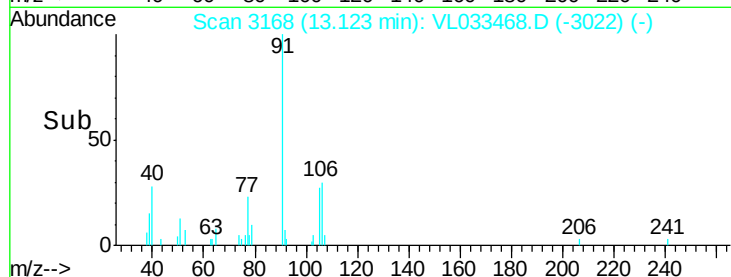
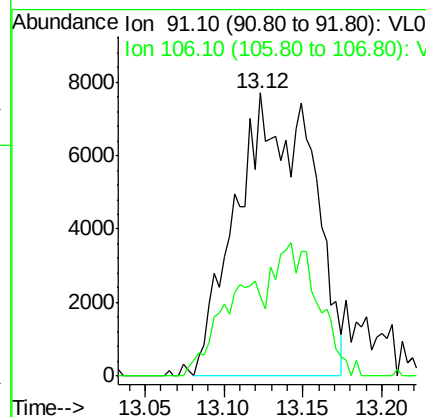
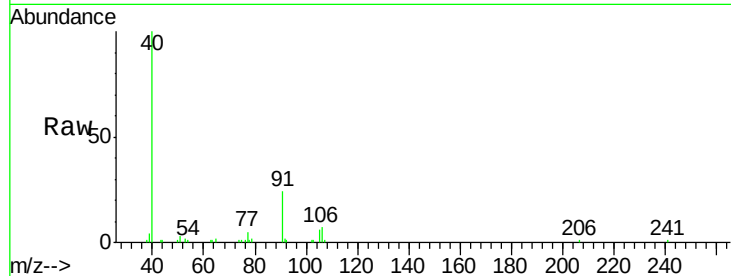
#59
m/p-Xylene
Concen: 0.124 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion: 91 Resp: 25486
Ion Ratio Lower Upper
91 100
106 47.7 0.0 0.0#

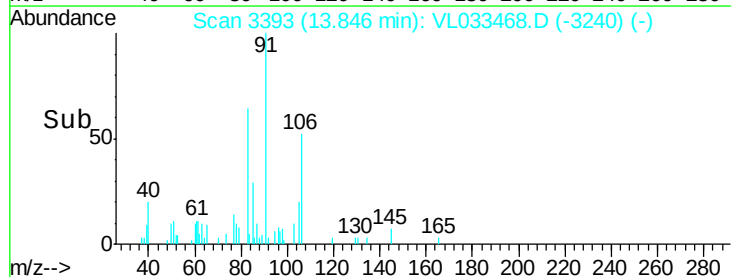
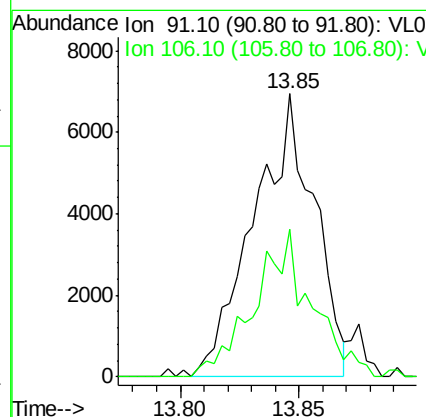
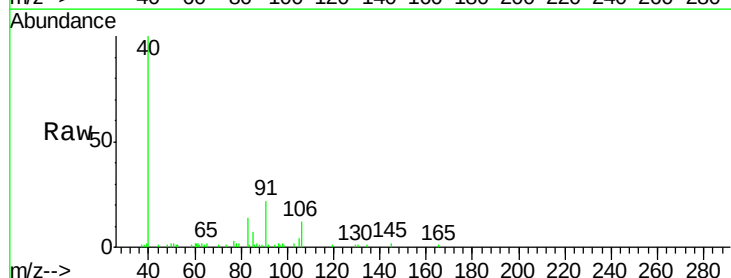
Manual Integrations
APPROVED

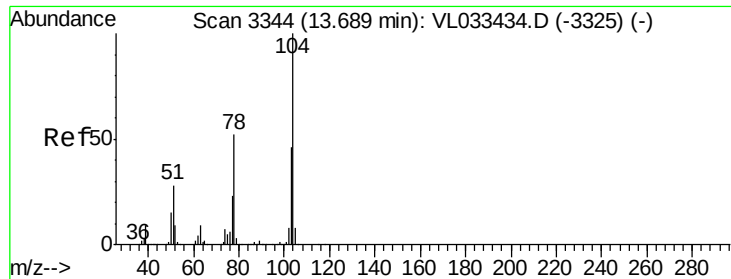
MMDadoda
4/1/2019 1:56:23 AM



#60
o-Xylene
Concen: 0.062 ppbv m
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion: 91 Resp: 12337
Ion Ratio Lower Upper
91 100
106 49.6 21.4 64.3





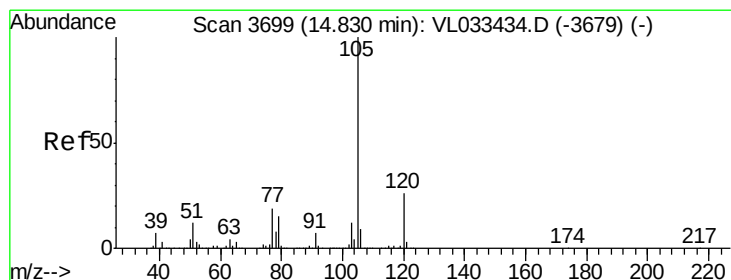
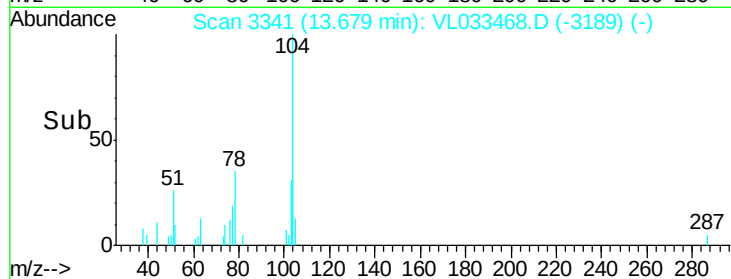
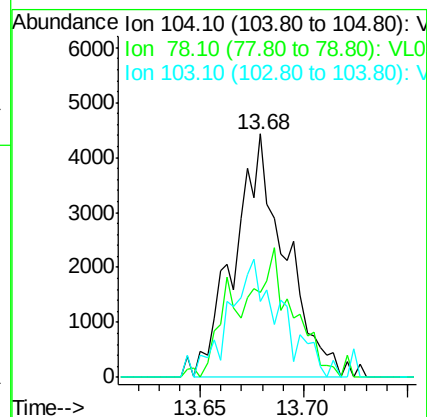
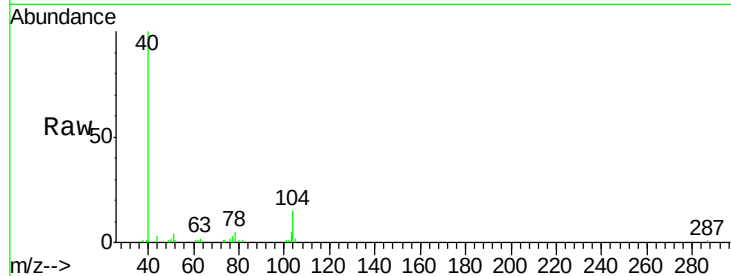
#61
Stvrene
Concen: 0.056 ppbv m
RT: 13.68 min Scan# 3341
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.2	64.8#
103	51.6	37.8	56.8

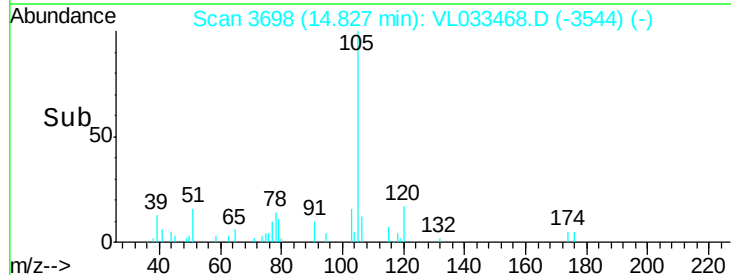
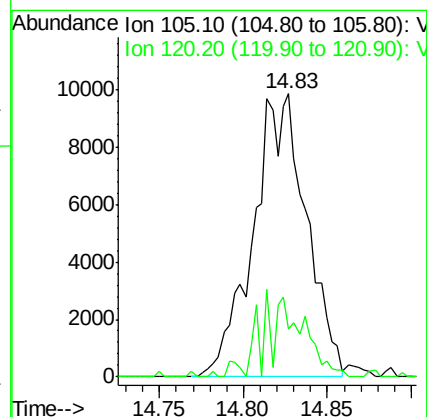
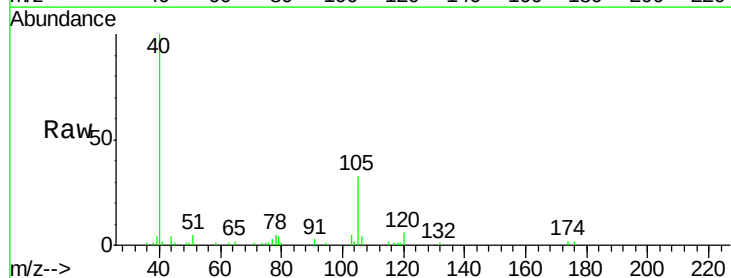
Manual Integrations
APPROVED

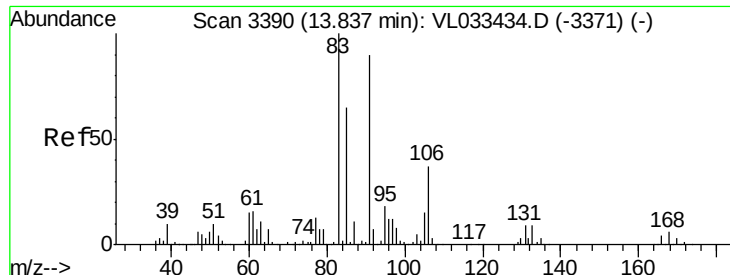
MMDadoda
4/1/2019 1:56:23 AM



#62
Isopropylbenzene
Concen: 0.077 ppbv m
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.1	20.2	30.2





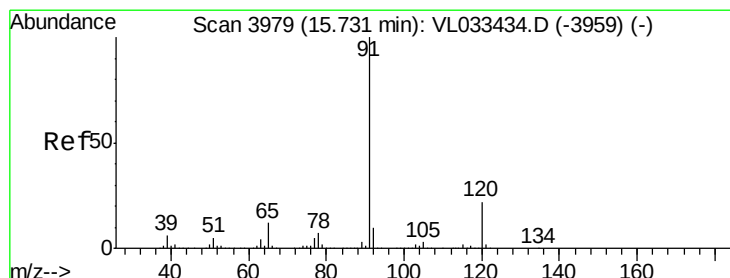
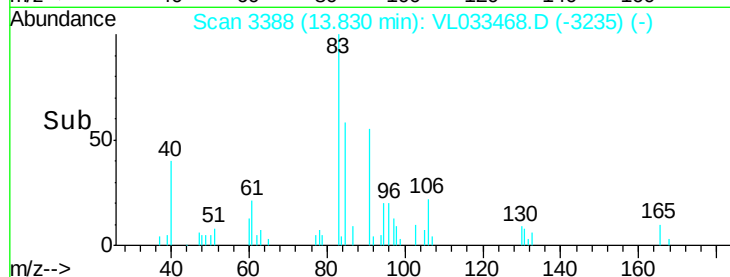
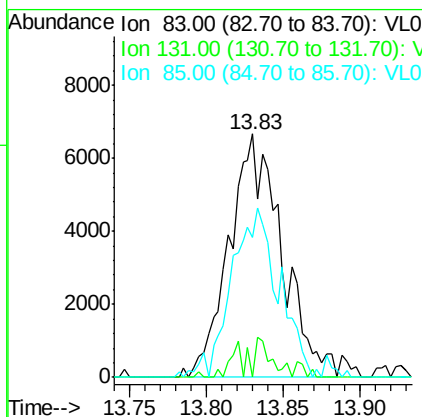
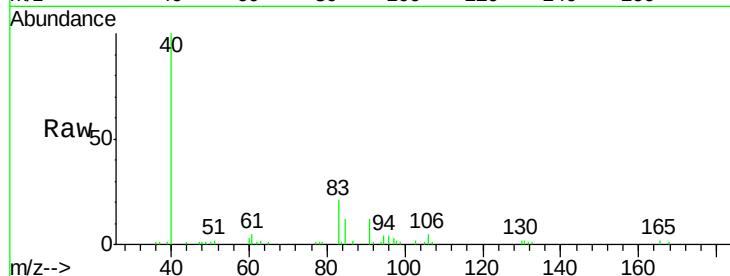
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.108 ppbv m
 RT: 13.83 min Scan# 3388
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.7	14.0#
85	0.0	32.7	98.1#

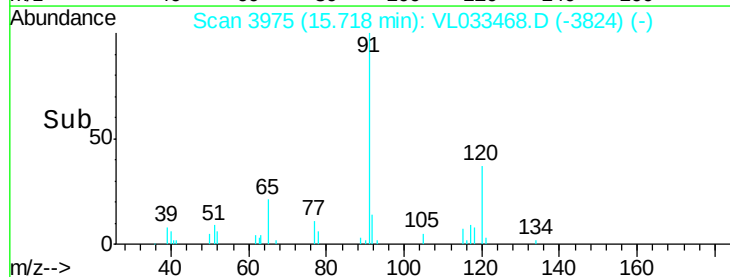
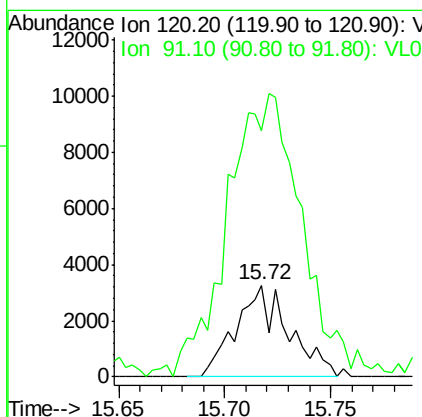
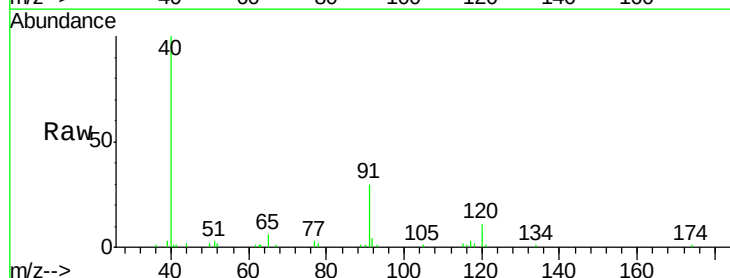
Manual Integrations
 APPROVED

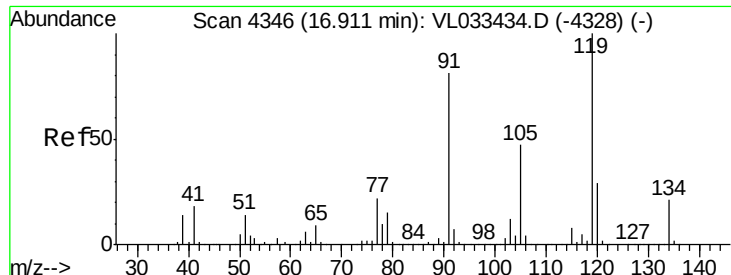
MMDadoda
 4/1/2019 1:56:23 AM



#64
 n-propylbenzene
 Concen: 0.079 ppbv m
 RT: 15.72 min Scan# 3975
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
120	100		
91	0.0	387.4	581.2#





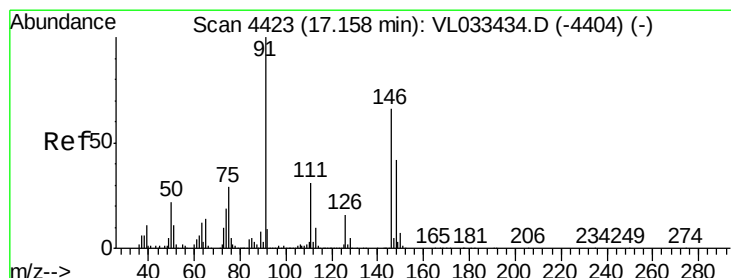
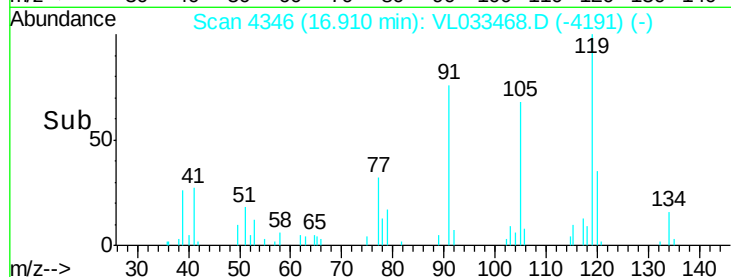
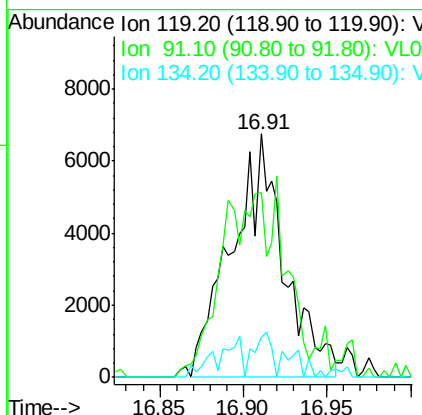
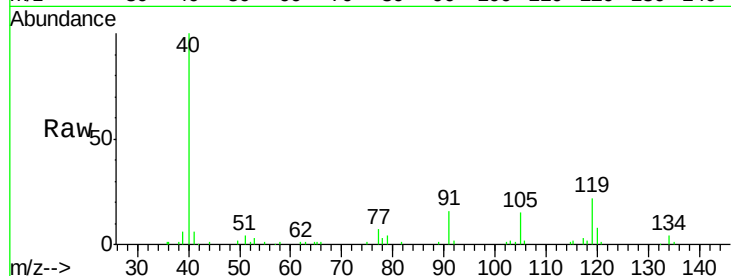
#65
tert-Butylbenzene
Concen: 0.060 ppbv m
RT: 16.91 min Scan# 4346
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	66.4	99.6#
134	0.0	15.5	23.3#

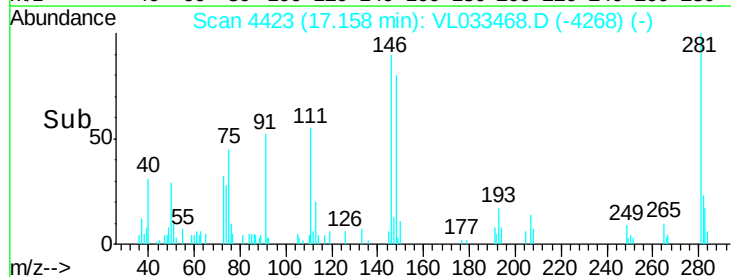
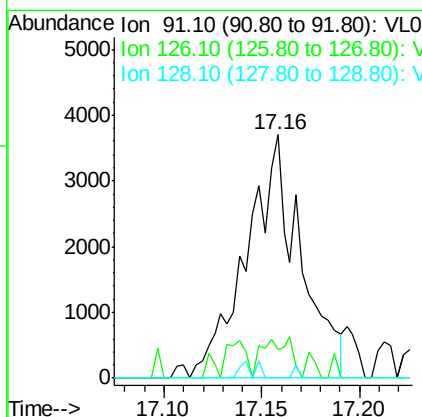
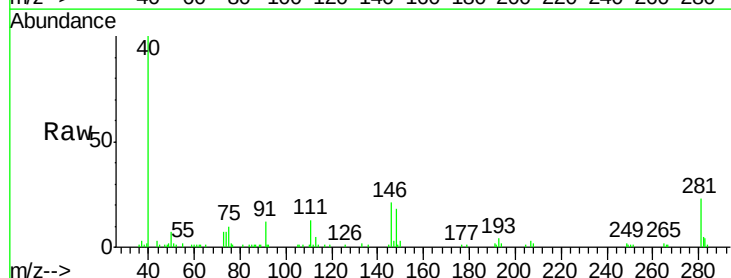
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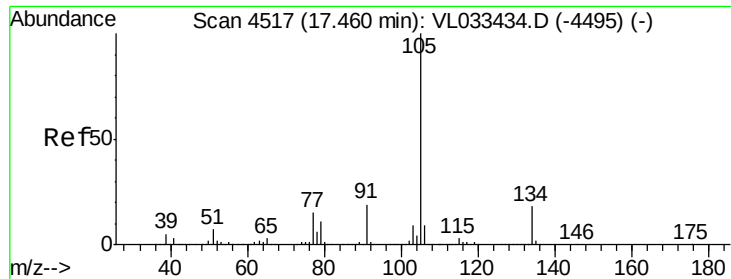
MMDadoda
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#66
Benzyl Chloride
Concen: 0.061 ppbv m
RT: 17.16 min Scan# 4423
Delta R.T. -0.00 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.0	19.6#
128	0.0	4.2	6.2#





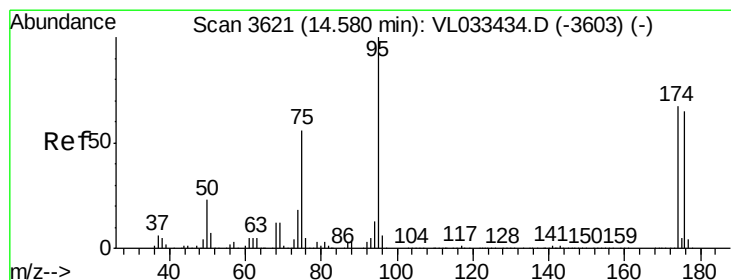
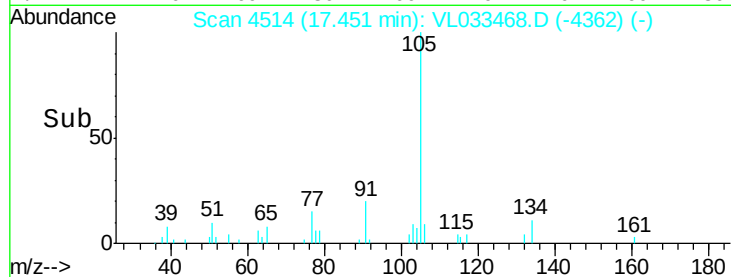
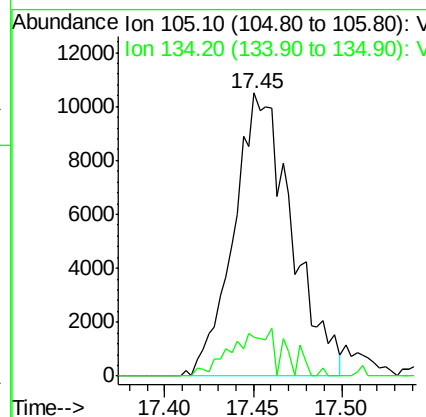
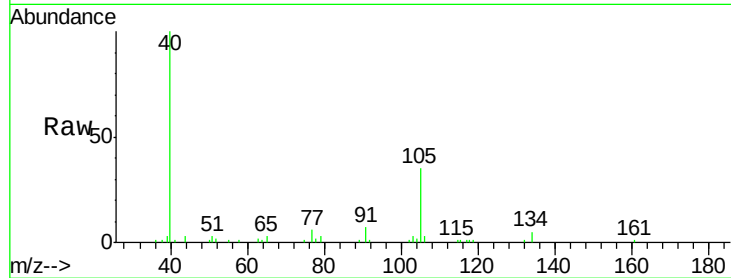
#67
 sec-Butylbenzene
 Concen: 0.067 ppbv m
 RT: 17.45 min Scan# 4514
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Tot Ion: 105 Resp: 23719
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.6 21.8#

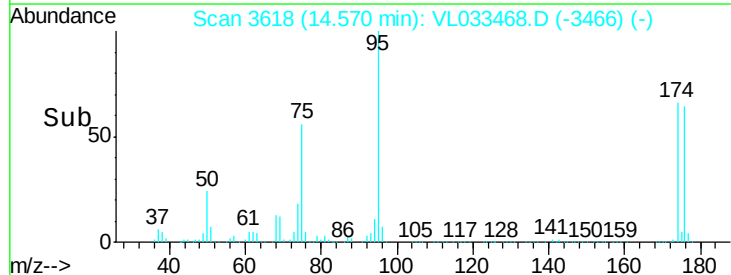
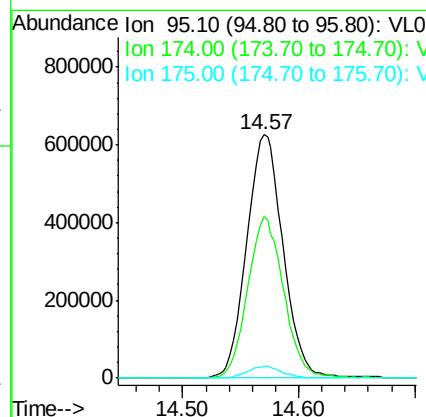
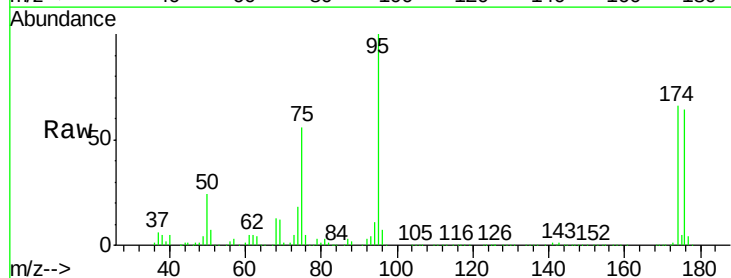
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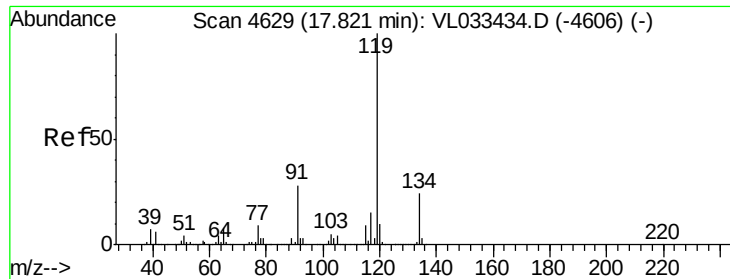
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.120 ppbv
 RT: 14.57 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Tgt Ion: 95 Resp: 1366157
 Ion Ratio Lower Upper
 95 100
 174 66.2 52.9 79.3
 175 4.7 3.8 5.6





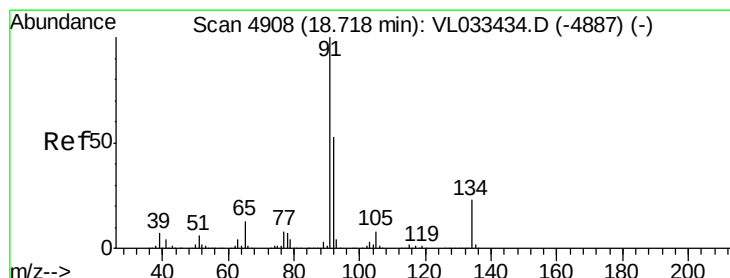
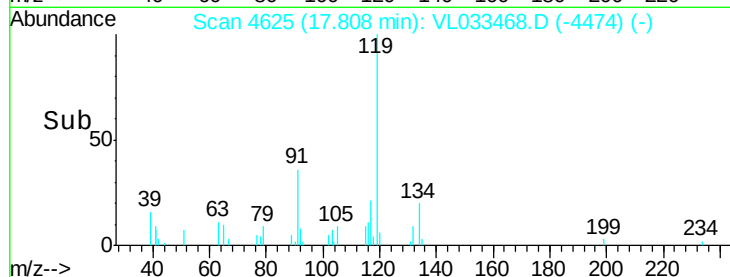
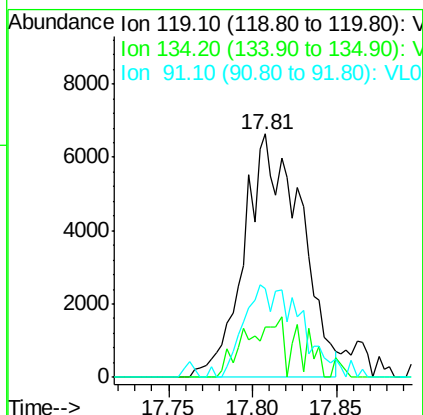
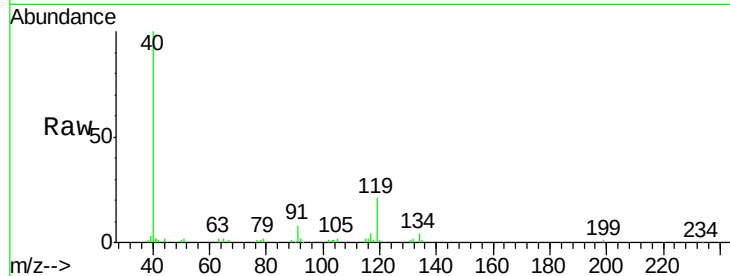
#69
 p-Isopropyltoluene
 Concen: 0.054 ppbv m
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
119	100		
134	23.2	19.9	29.9
91	0.0	23.4	35.0#

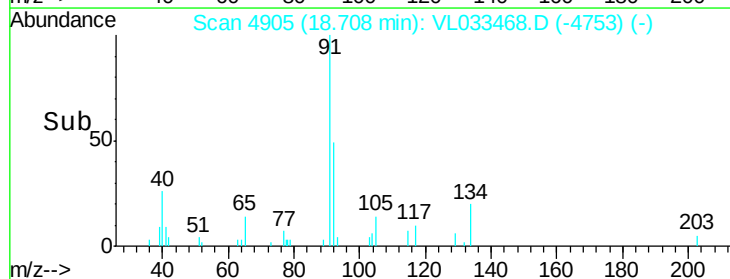
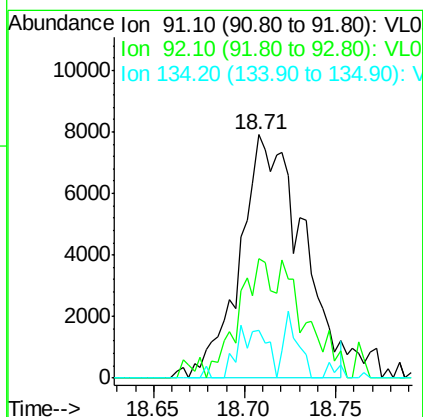
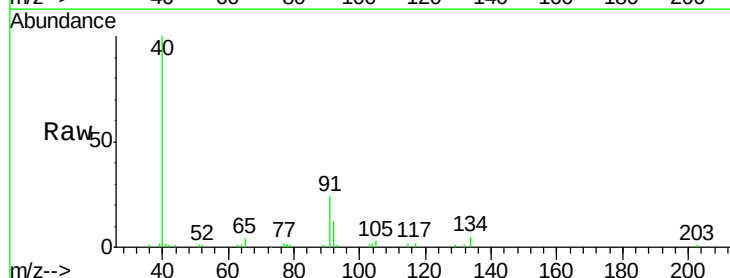
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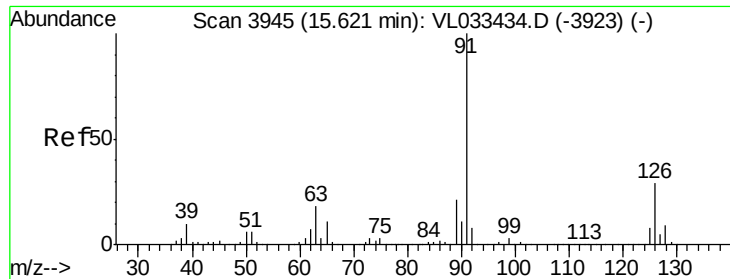
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#70
 n-Butylbenzene
 Concen: 0.061 ppbv m
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	42.6	64.0
134	0.0	17.5	26.3#





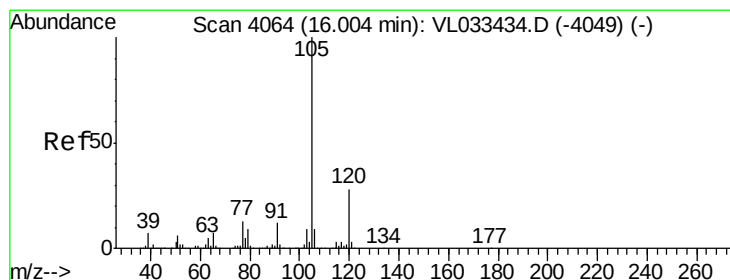
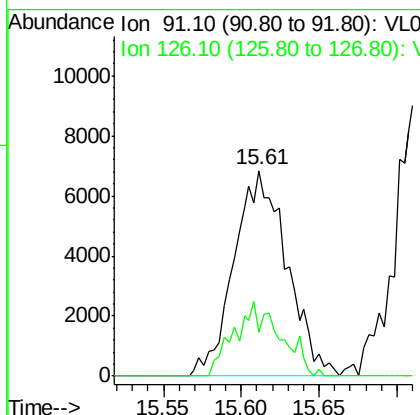
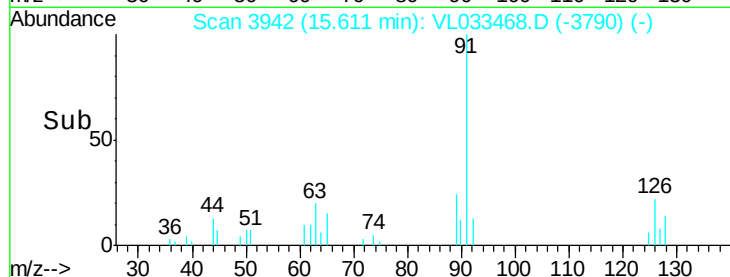
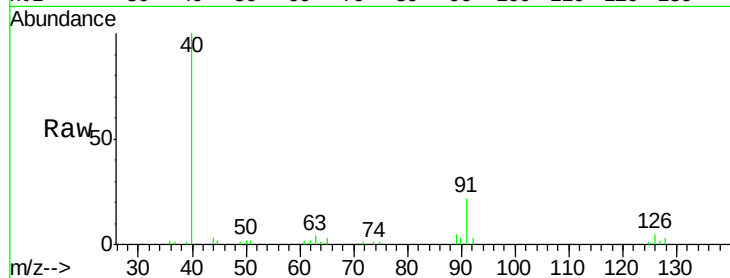
#71
2-Chlorotoluene
Concen: 0.075 ppbv m
RT: 15.61 min Scan# 3942
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion: 91 Resp: 16132
Ion Ratio Lower Upper
91 100
126 31.7 11.7 46.9

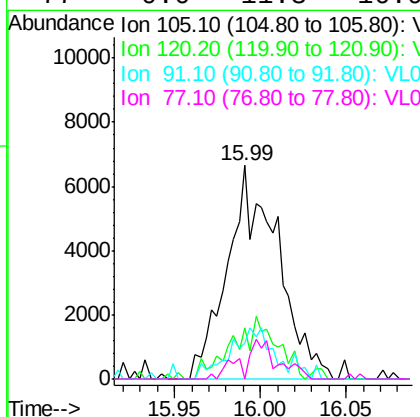
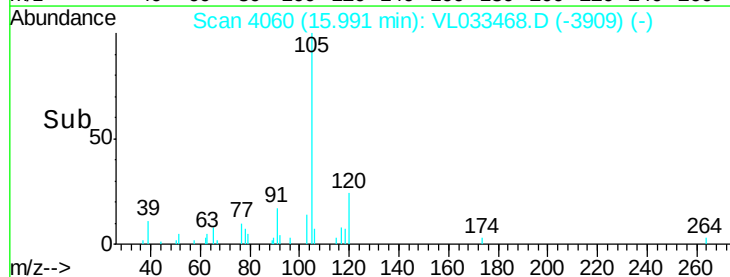
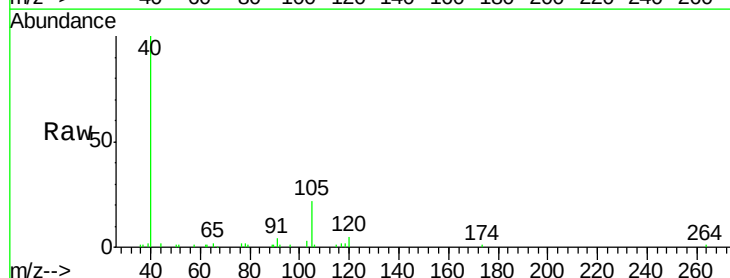
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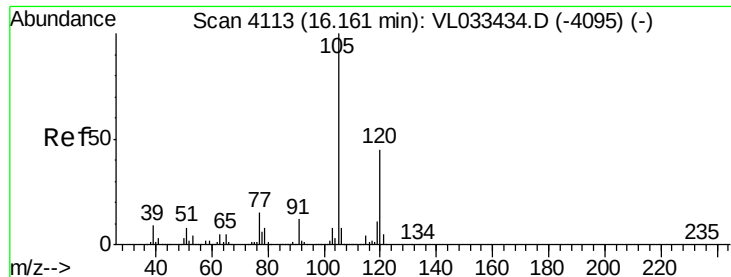
MMDadoda
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#72
4-Ethyltoluene
Concen: 0.061 ppbv m
RT: 15.99 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion: 105 Resp: 13634
Ion Ratio Lower Upper
105 100
120 0.0 23.2 34.8#
91 0.0 10.4 15.6#
77 0.0 11.3 16.9#





#73

1,3,5-Trimethylbenzene

Concen: 0.059 ppbv m

RT: 16.16 min Scan# 4112

Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:105 Resp: 12683

Ion Ratio Lower Upper

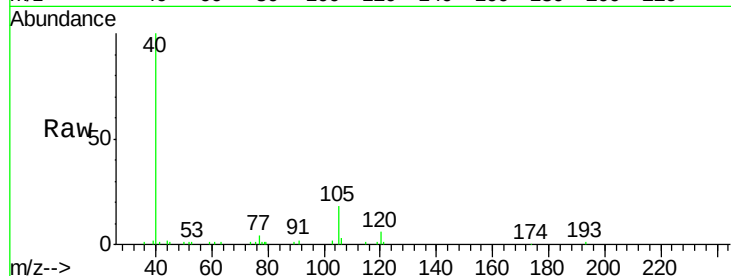
105 100

120 33.1 35.7 53.5#

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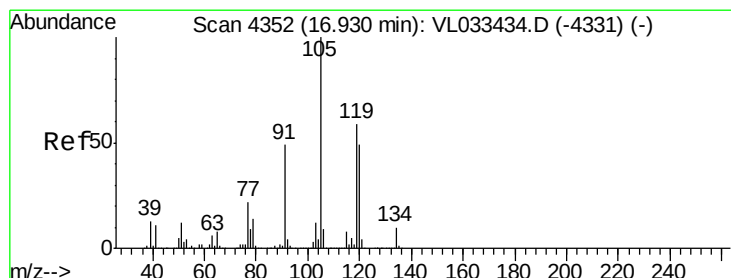
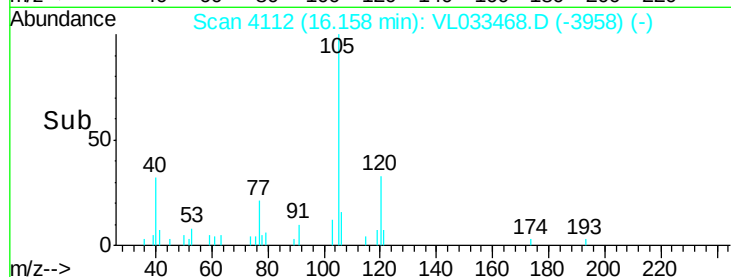
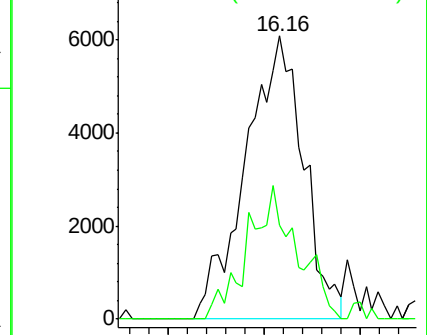
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.063 ppbv m

RT: 16.92 min Scan# 4350

Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:105 Resp: 14353

Ion Ratio Lower Upper

105 100

120 50.8 39.0 58.6

91 40.3 40.0 60.0

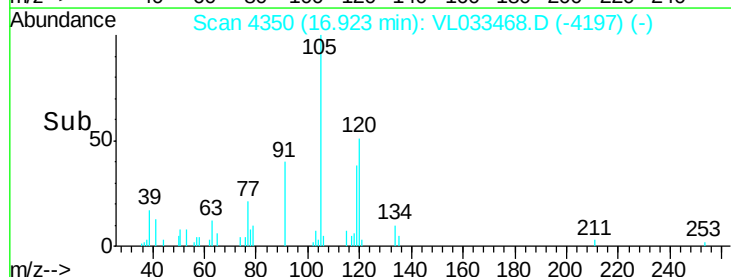
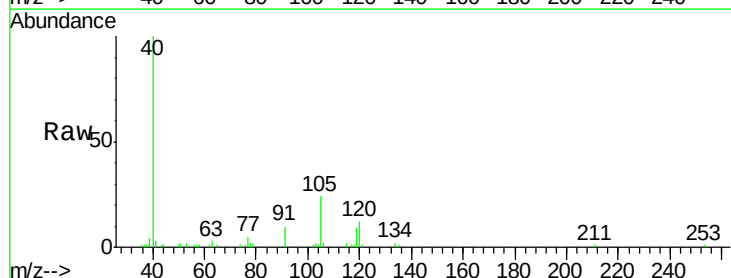
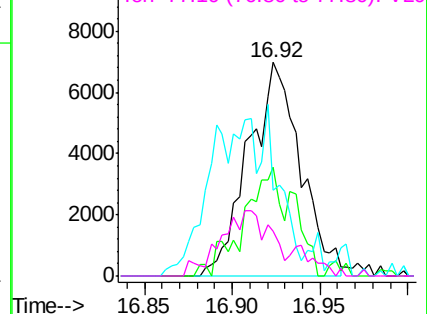
77 21.1 17.5 26.3

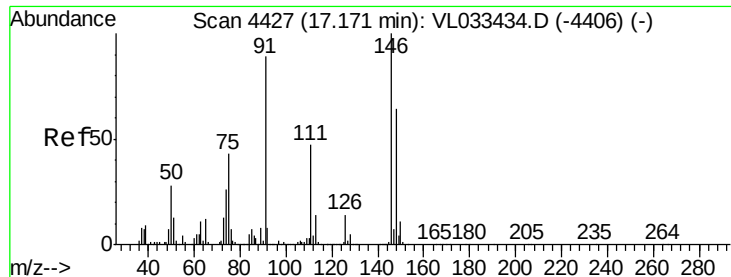
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.113 ppbv m

RT: 17.16 min Scan# 4424

Delta R.T. -0.01 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Instrument :

MSVOA_L

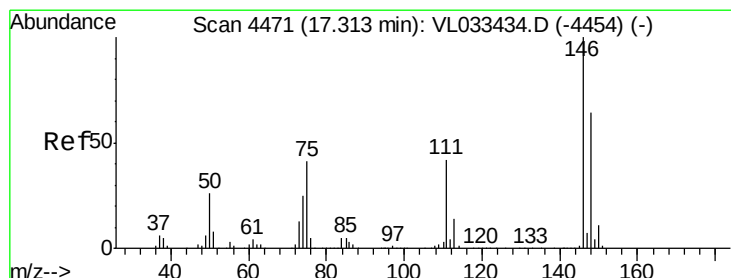
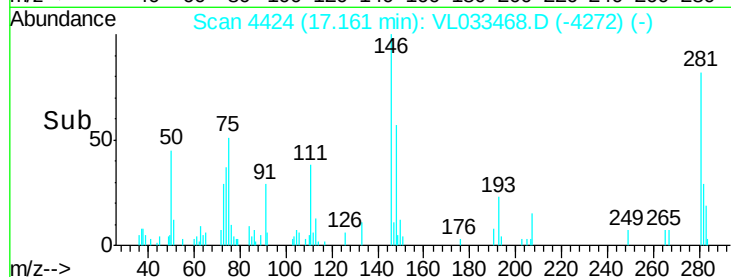
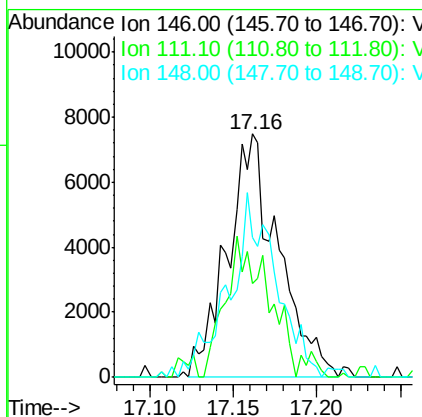
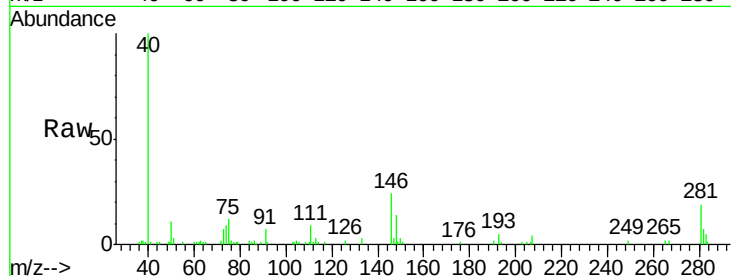
ClientSampleId :

MDL-MDL-AIR-03-QT1-2019

Tot Ion:	146	Resp:	16025
Ion Ratio	Lower	Upper	
146	100		
111	53.9	22.9	68.8
148	70.8	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 0.099 ppbv m

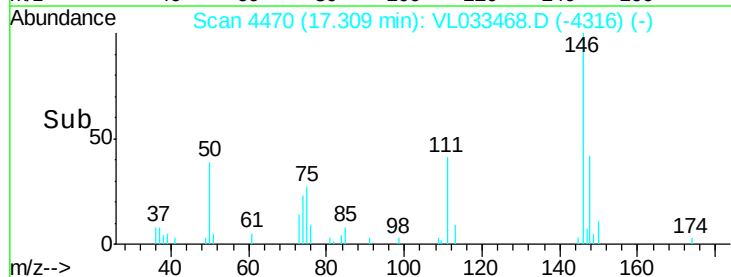
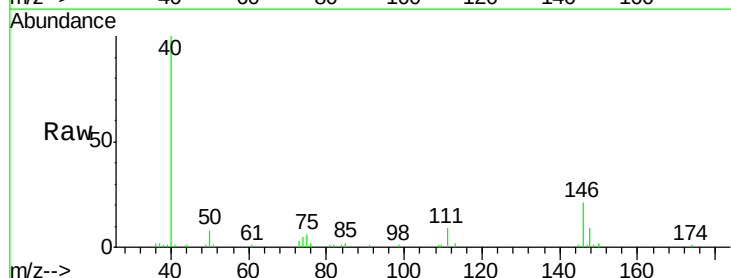
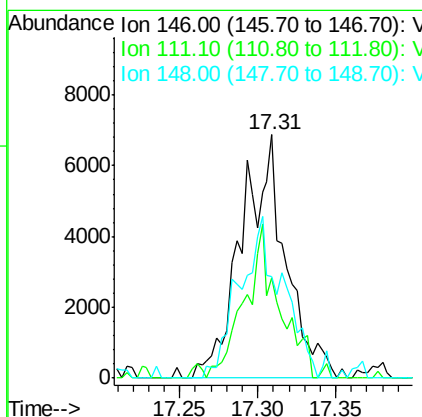
RT: 17.31 min Scan# 4470

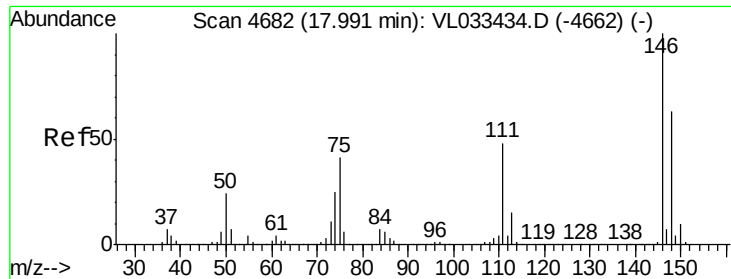
Delta R.T. -0.00 min

Lab File: VL033468.D

Acq: 27 Mar 2019 14:45

Tgt Ion:	146	Resp:	13611
Ion Ratio	Lower	Upper	
146	100		
111	0.0	21.7	65.1#
148	0.0	32.0	96.2#





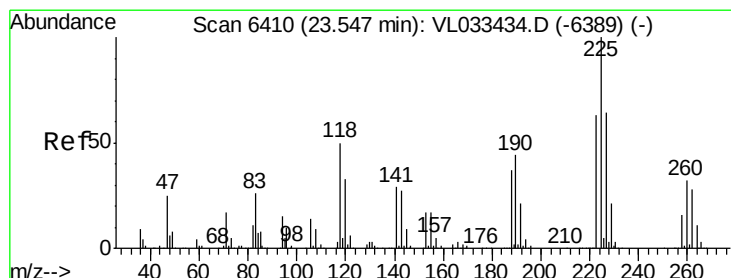
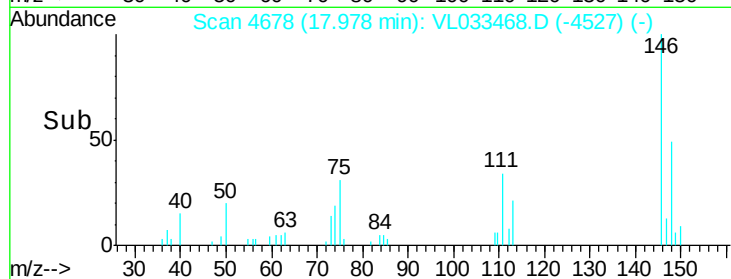
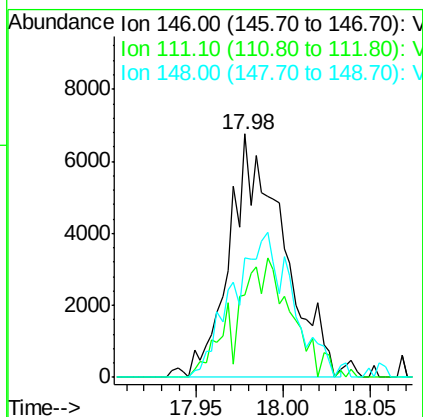
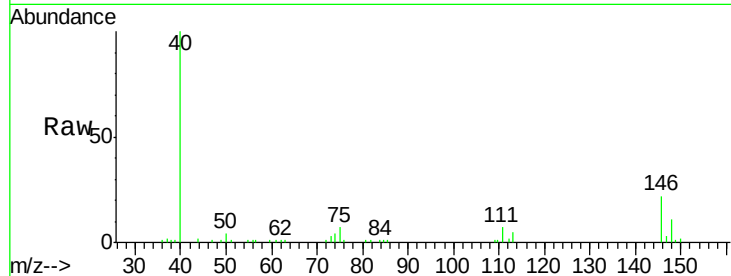
#77
 1,2-Dichlorobenzene
 Concen: 0.107 ppbv m
 RT: 17.98 min Scan# 4678
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.5#
148	0.0	32.0	96.0#

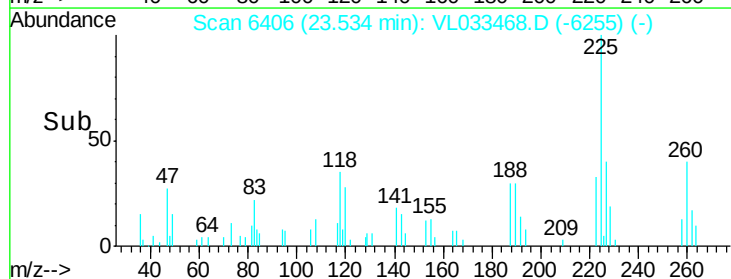
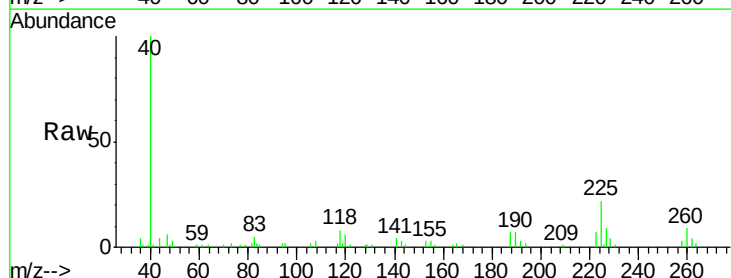
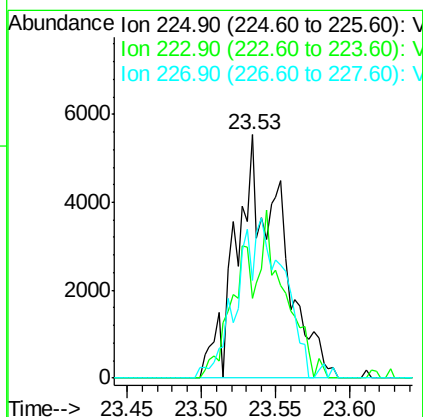
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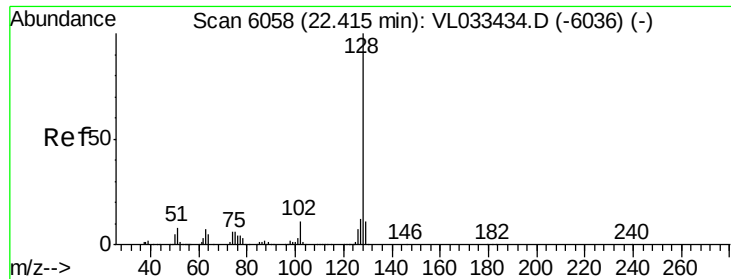
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.130 ppbv m
 RT: 23.53 min Scan# 6406
 Delta R.T. -0.01 min
 Lab File: VL033468.D
 Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.0	75.0#
227	0.0	51.1	76.7#





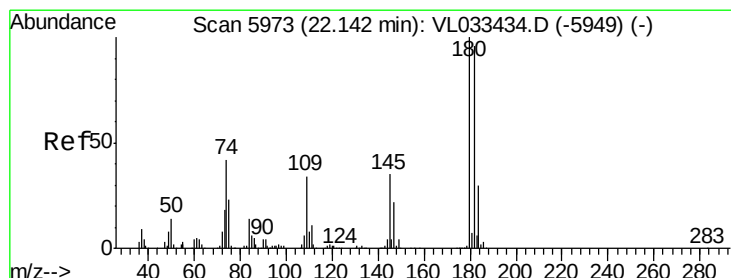
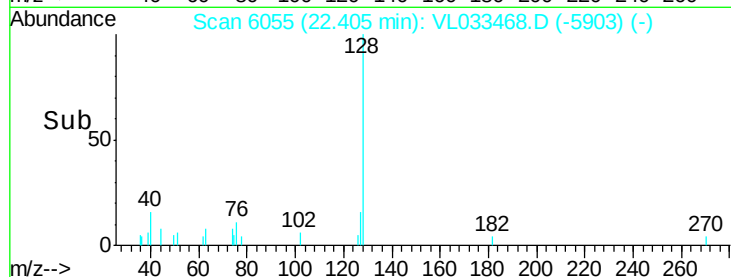
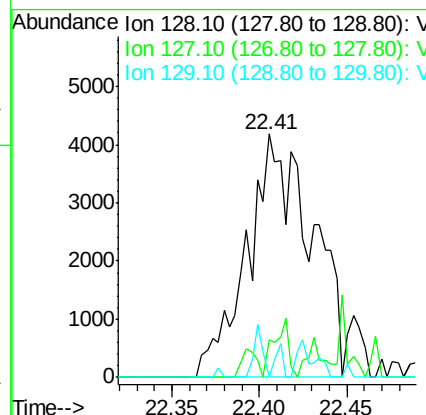
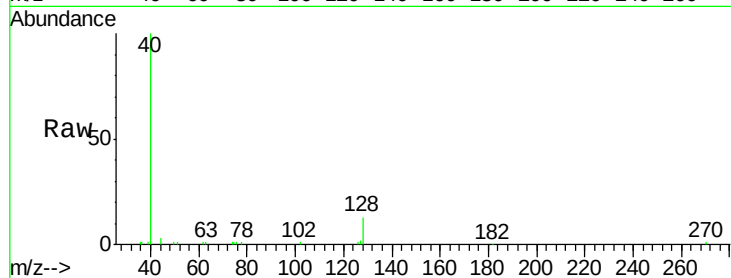
#79
Naphthalene
Concen: 0.054 ppbv m
RT: 22.41 min Scan# 6055
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Instrument :
MSVOA_L
ClientSampleId :
MDL-MDL-AIR-03-QT1-2019

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.5	9.8	14.8#
129	0.0	8.6	12.8#

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#81
1,2,4-Trichlorobenzene
Concen: 0.080 ppbv m
RT: 22.14 min Scan# 5971
Delta R.T. -0.01 min
Lab File: VL033468.D
Acq: 27 Mar 2019 14:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.0	115.4#
184	0.0	24.6	36.8#

