

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026662.D
 Acq On : 9 Jan 2016 5:47
 Operator : SY/AP
 Sample : H1002-18
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:19 AM

Quant Time: Jan 12 05:16:41 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 11 17:14:02 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	649795	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2126730	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	2882130	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.26	95	2396735	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	91861	0.53	ppbv	96
3) Chlorodifluoromethane	3.56	51	40218	0.46	ppbv	91
4) Chloromethane	3.74	50	18480m	0.44	ppbv	
5) Vinyl Chloride	3.88	62	20353m	0.40	ppbv	
6) Bromomethane	4.13	94	17595	0.48	ppbv	92
7) Chloroethane	4.23	64	9697	0.47	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	67255	0.50	ppbv	98
9) Propene	3.59	41	11038	0.35	ppbv	95
10) Heptane	9.34	43	42623	0.37	ppbv	89
11) Trichlorofluoromethane	4.68	101	95759	0.53	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	5.29	101	56245	0.51	ppbv	100
13) Ethanol	4.35	45	2905m	0.49	ppbv	
14) Bromoethene	4.44	108	17546	0.44	ppbv #	93
15) Acetone	4.62	43	64507	0.60	ppbv #	62
16) 1,3-Butadiene	3.96	39	18766	0.44	ppbv	91
17) tert-Butyl alcohol	5.15	59	30776m	0.38	ppbv	
18) 1,1-Dichloroethene	5.07	96	22211	0.48	ppbv	94
19) Isopropyl Alcohol	4.78	45	14605m	0.33	ppbv	
20) Methylene Chloride	5.14	84	23733	0.54	ppbv	85
21) Allyl Chloride	5.21	41	27921	0.43	ppbv #	80
22) trans-1,2-Dichloroethene	5.75	96	23467	0.45	ppbv	98
23) Vinyl Acetate	5.98	43	59042	0.36	ppbv #	91
24) 1,1-Dichloroethane	5.89	63	53519	0.45	ppbv	98
25) Ethyl Acetate	6.67	43	34601m	0.21	ppbv	
26) Hexane	6.64	57	31368	0.37	ppbv	92
27) Carbon Disulfide	5.38	76	55526	0.44	ppbv #	81
28) Methyl tert-Butyl Ether	5.96	73	63058	0.37	ppbv	99
29) Chloroform	6.73	83	76025	0.49	ppbv	93
30) Cyclohexane	8.27	84	33974m	0.40	ppbv	
31) cis-1,2-Dichloroethene	6.51	61	30735	0.36	ppbv #	92
32) 1,1,1-Trichloroethane	7.57	97	76010	0.43	ppbv	98
34) 2-Butanone	6.21	43	38135	0.34	ppbv #	89
35) Carbon Tetrachloride	8.14	117	75720	0.40	ppbv	96
36) Benzene	8.01	78	71985	0.33	ppbv	96
37) 1,2-Dichloroethane	7.35	62	60599	0.40	ppbv	99
38) Trichloroethene	9.04	130	37795	0.39	ppbv	96
39) 1,2-Dichloropropane	8.80	63	30145	0.40	ppbv #	90
40) 1,4-Dioxane	9.16	88	4897m	0.28	ppbv	
41) Tetrahydrofuran	7.15	42	16066	0.29	ppbv	96
42) Bromodichloromethane	9.00	83	75668	0.39	ppbv #	95
43) Methyl Methacrylate	9.25	69	23722	0.30	ppbv	86

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Quant Time: Jan 12 05:16:41 2016
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 18
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	115147	0.33	ppbv	93
45) t-1,3-Dichloropropene	10.63	75	33466	0.26	ppbv	92
46) cis-1,3-Dichloropropene	10.00	75	39921	0.27	ppbv	96
47) 1,1,2-Trichloroethane	10.85	97	44839	0.42	ppbv	86
48) Dibromochloromethane	11.77	129	65515	0.40	ppbv	99
49) Bromoform	14.79	173	53054	0.40	ppbv	99
50) 4-Methyl-2-Pentanone	10.09	43	44194	0.28	ppbv	100
51) 2-Hexanone	11.62	43	39423	0.27	ppbv #	96
52) Tetrachloroethene	12.77	164	43607	0.40	ppbv	90
53) Toluene	11.22	91	95352	0.31	ppbv	98
54) 1,2-Dibromoethane	12.12	107	69834	0.41	ppbv	93
56) 1,1,1,2-Tetrachloroethane	13.76	131	58229	0.44	ppbv #	1
57) Chlorobenzene	13.79	112	143069	0.48	ppbv #	85
58) Ethyl Benzene	14.39	91	171021	0.33	ppbv	93
59) m/p-Xylene	14.69	91	316238m	0.75	ppbv	
60) o-Xylene	15.46	91	193738	0.42	ppbv	99
61) Styrene	15.29	104	56350	0.31	ppbv	99
62) Isopropylbenzene	16.52	105	235274	0.39	ppbv	97
63) 1,1,2,2-Tetrachloroethane	15.45	83	148290	0.43	ppbv	99
64) n-propylbenzene	17.49	120	62575	0.38	ppbv	89
65) tert-Butylbenzene	18.78	119	239642	0.43	ppbv	94
66) Benzyl Chloride	19.08	91	63272	0.32	ppbv	99
67) sec-Butylbenzene	19.38	105	326455	0.40	ppbv	100
69) p-Isopropyltoluene	19.76	119	224622	0.36	ppbv	98
70) n-Butylbenzene	20.74	91	220603	0.34	ppbv	97
71) 2-Chlorotoluene	17.40	91	156092	0.33	ppbv	96
72) 4-Ethyltoluene	17.80	105	181016	0.35	ppbv	98
73) 1,3,5-Trimethylbenzene	17.96	105	184565	0.38	ppbv	98
74) 1,2,4-Trimethylbenzene	18.80	105	222674	0.43	ppbv	93
75) 1,3-Dichlorobenzene	19.09	146	140087	0.44	ppbv	97
76) 1,4-Dichlorobenzene	19.24	146	147354m	0.45	ppbv	
77) 1,2-Dichlorobenzene	20.00	146	143028m	0.44	ppbv	
78) Hexachloro-1,3-Butadiene	24.64	225	53248m	0.40	ppbv	
79) Naphthalene	23.92	128	87621	0.25	ppbv #	92
80) Naphthalene, 2-methyl-	26.03	142	17252	0.32	ppbv #	83
81) 1,2,4-Trichlorobenzene	23.72	180	50353	0.32	ppbv	98

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

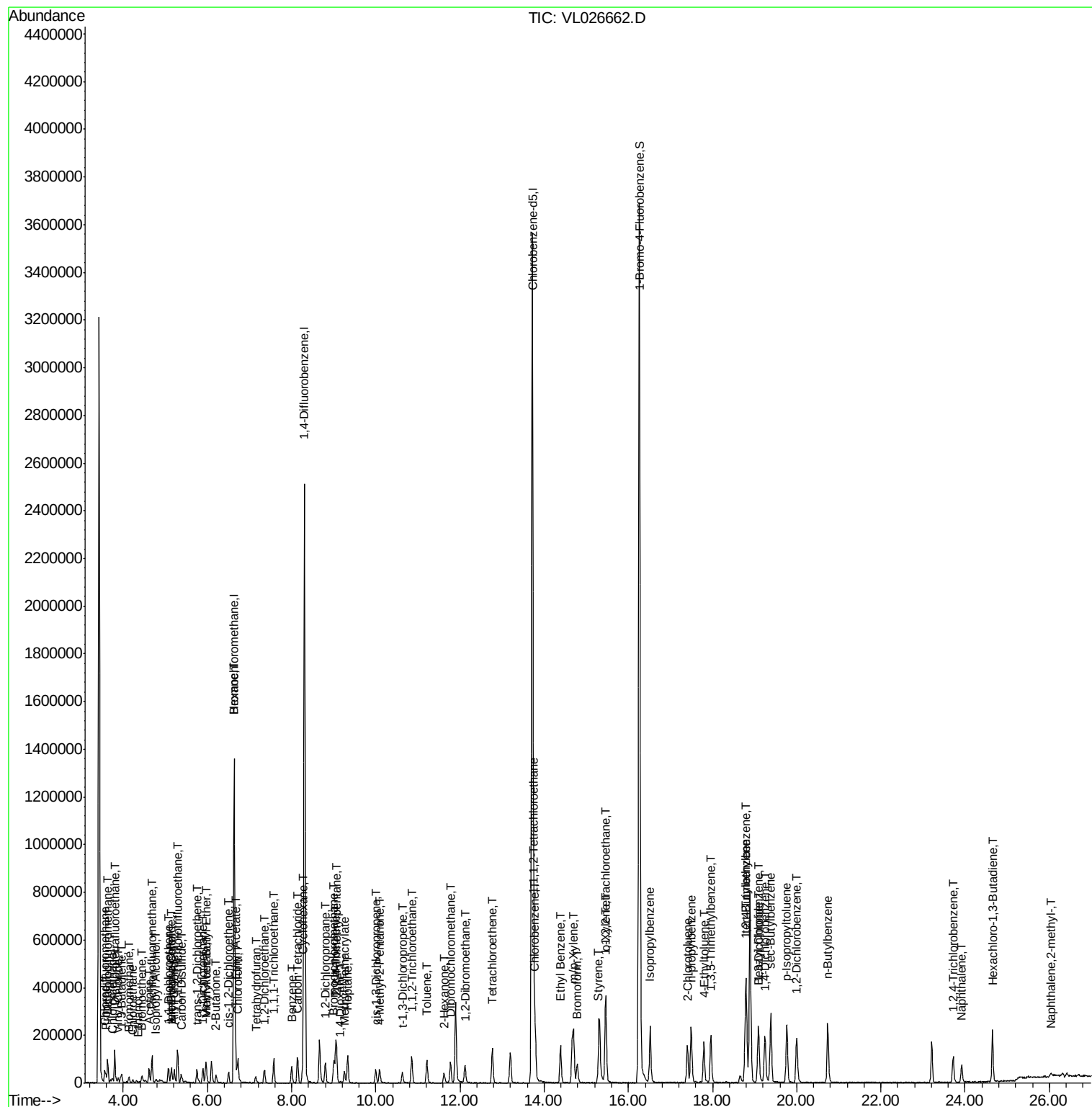
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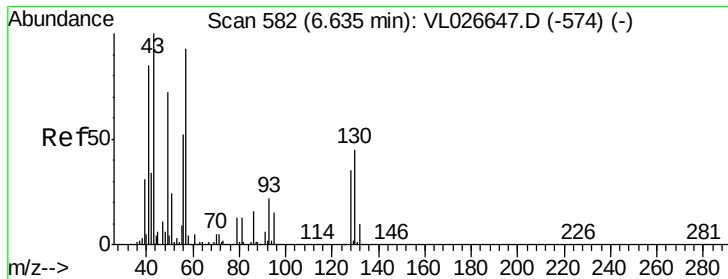
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 49 Resp: 649795

Ion Ratio Lower Upper

49 100

128 59.4 25.9 77.7

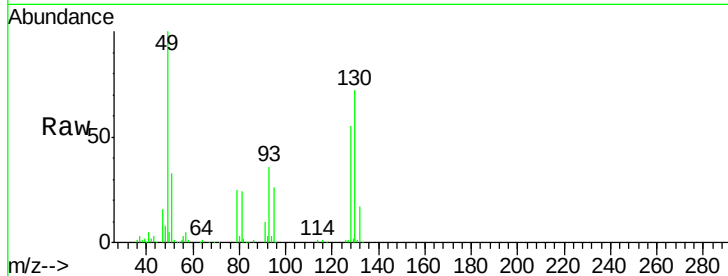
130 75.9 33.6 100.8

Manual Integrations

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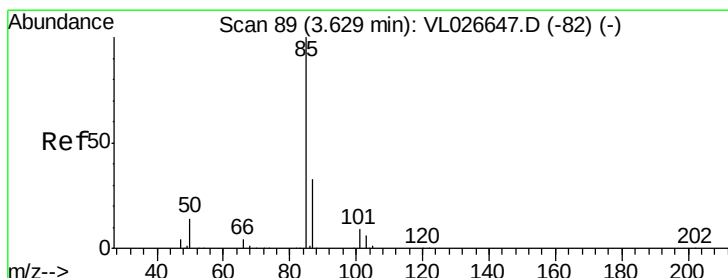
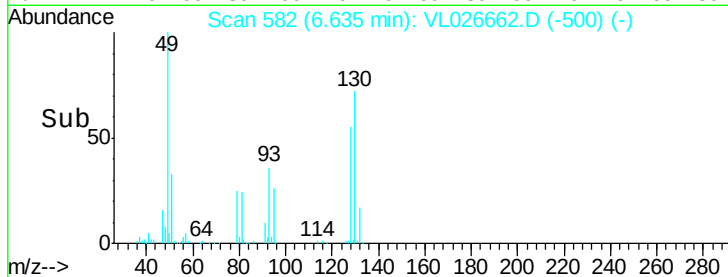
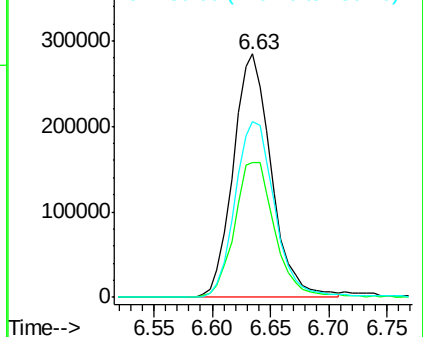
1/14/2016 10:51:19 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.53 ppbv

RT: 3.63 min Scan# 89

Delta R.T. -0.00 min

Lab File: VL026662.D

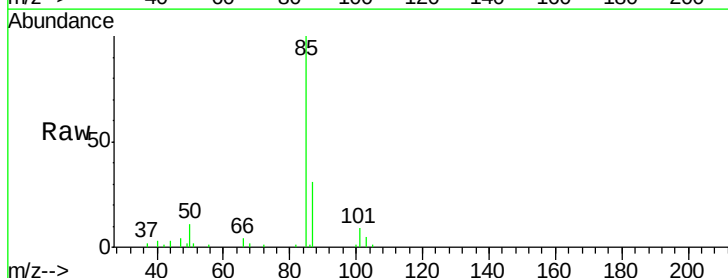
Acq: 9 Jan 2016 5:47

Tgt Ion: 85 Resp: 91861

Ion Ratio Lower Upper

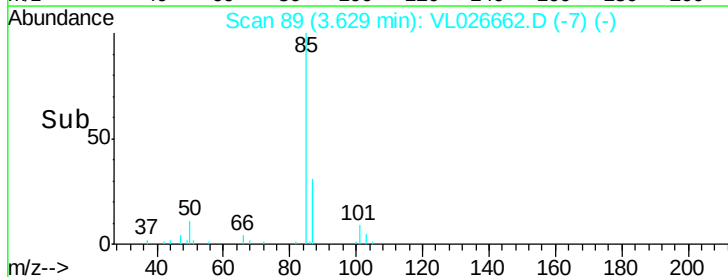
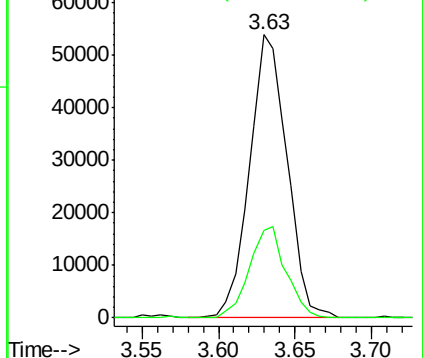
85 100

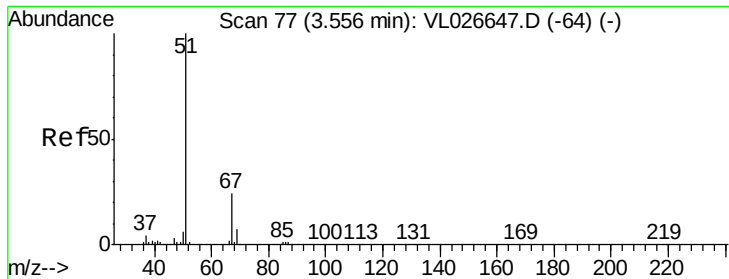
87 30.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.46 ppbv

RT: 3.56 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 51 Resp: 40218

Ion Ratio Lower Upper

51 100

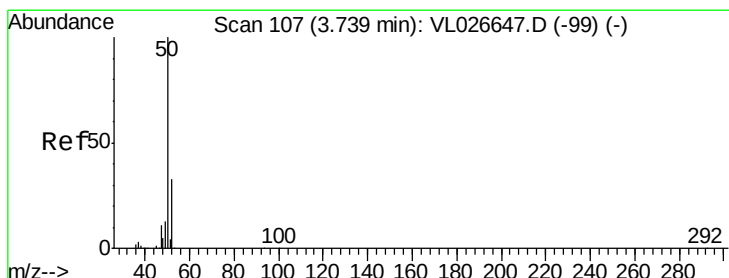
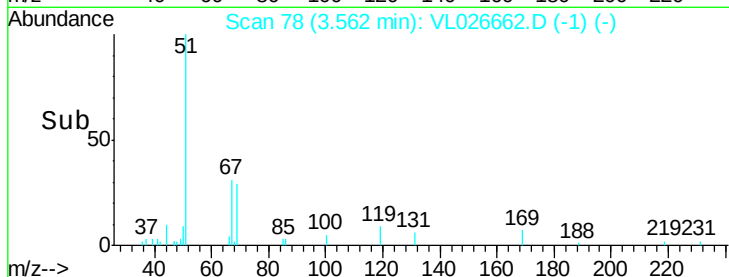
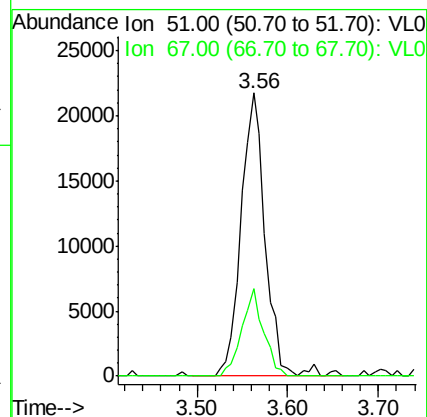
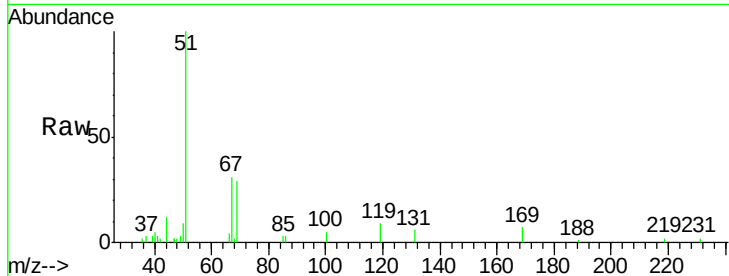
67 27.7 18.6 28.0

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#4

Chloromethane

Concen: 0.44 ppbv m

RT: 3.74 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL026662.D

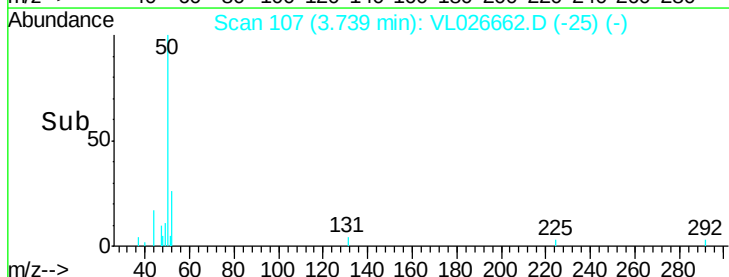
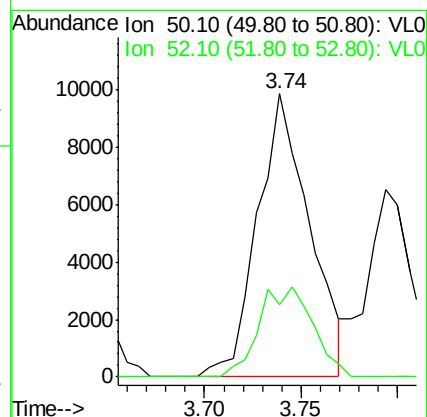
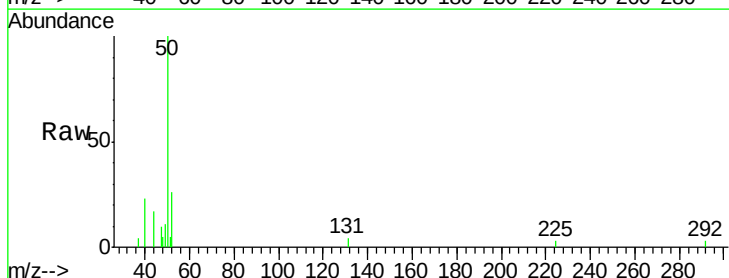
Acq: 9 Jan 2016 5:47

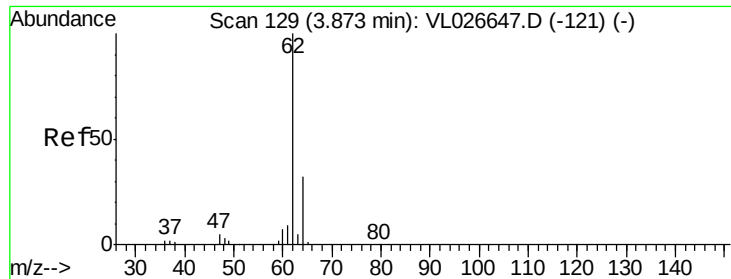
Tgt Ion: 50 Resp: 18480

Ion Ratio Lower Upper

50 100

52 25.7 26.7 40.1#





#5

Vinyl Chloride

Concen: 0.40 ppbv m

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 62 Resp: 20353

Ion Ratio Lower Upper

62 100

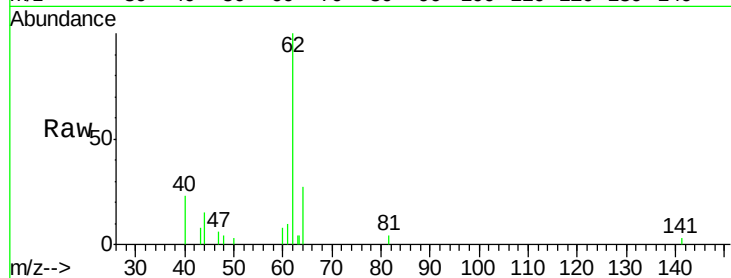
64 27.1 25.6 38.4

Manual Integrations

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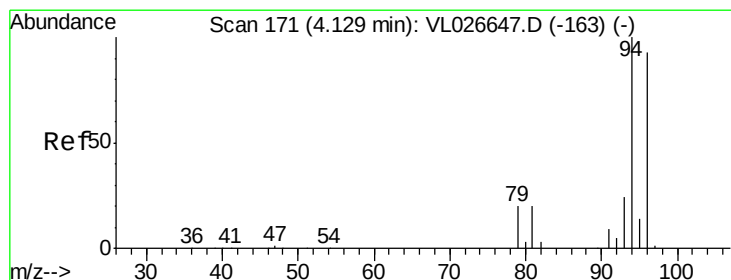
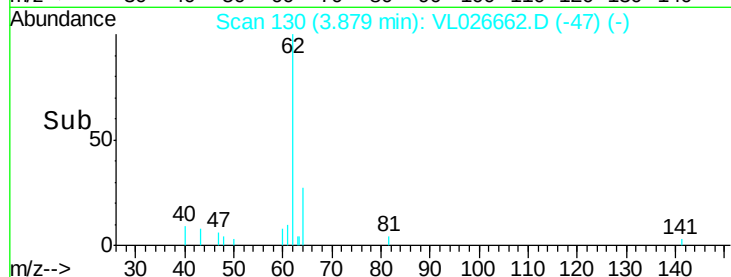
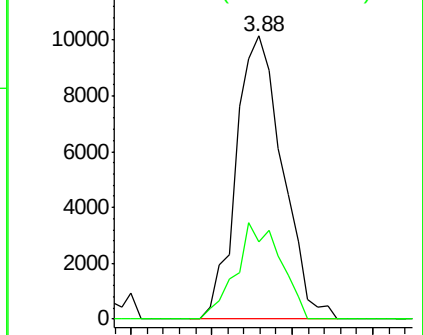
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.48 ppbv

RT: 4.13 min Scan# 171

Delta R.T. -0.00 min

Lab File: VL026662.D

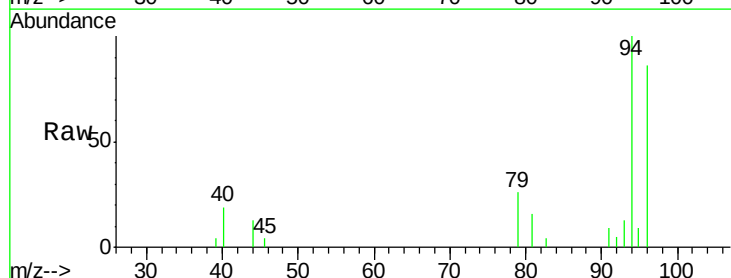
Acq: 9 Jan 2016 5:47

Tgt Ion: 94 Resp: 17595

Ion Ratio Lower Upper

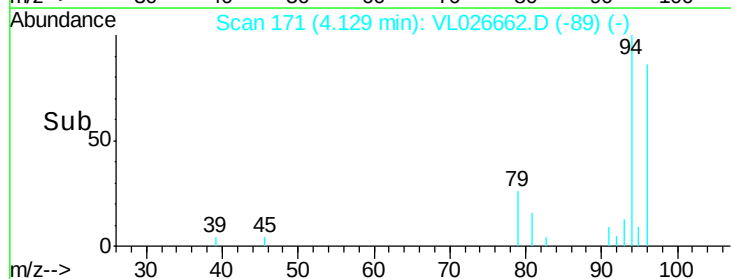
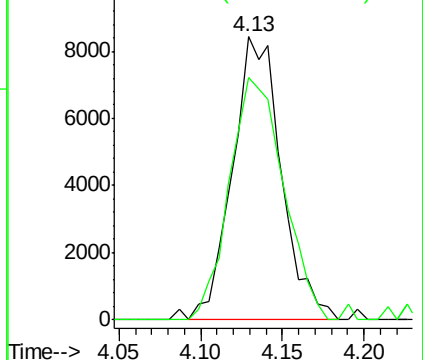
94 100

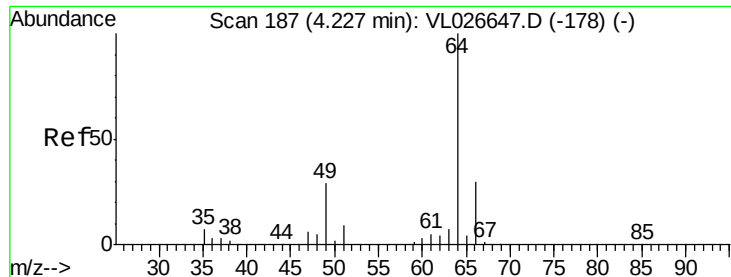
96 85.8 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.47 ppbv

RT: 4.23 min Scan# 188

Delta R.T. 0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 64 Resp: 9697

Ion Ratio Lower Upper

64 100

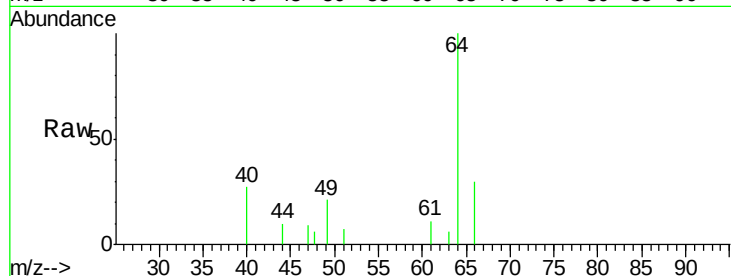
66 30.4 24.3 36.5

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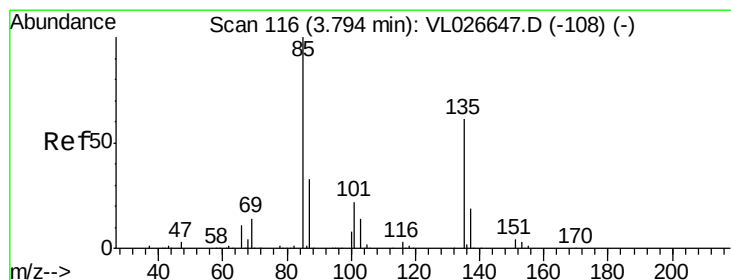
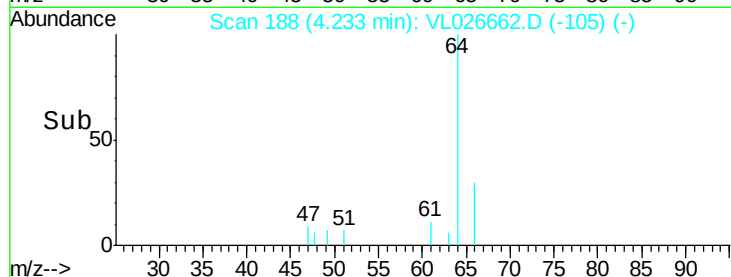
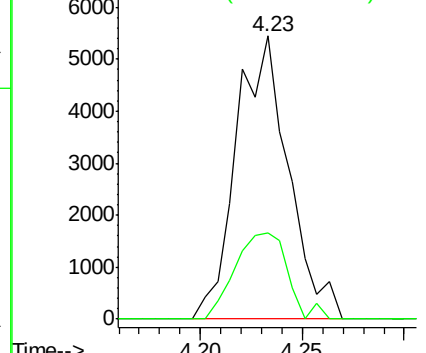
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.50 ppbv

RT: 3.79 min Scan# 116

Delta R.T. -0.00 min

Lab File: VL026662.D

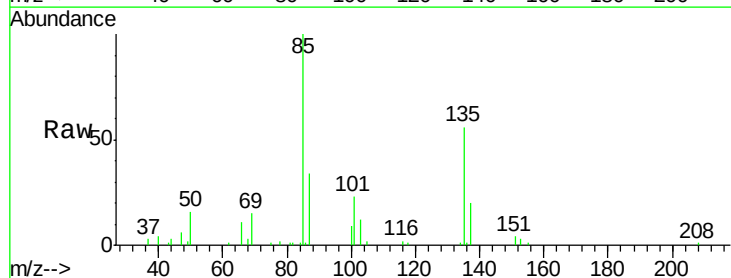
Acq: 9 Jan 2016 5:47

Tgt Ion: 85 Resp: 67255

Ion Ratio Lower Upper

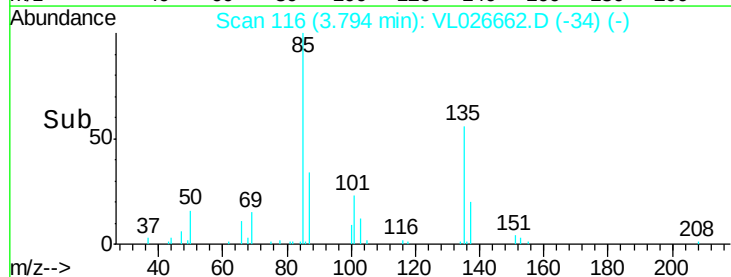
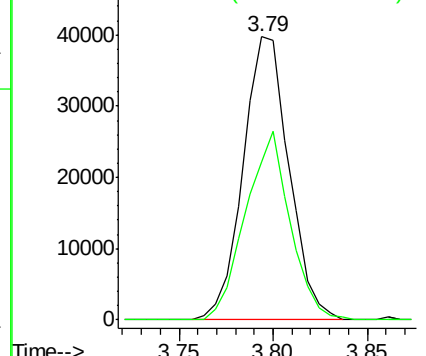
85 100

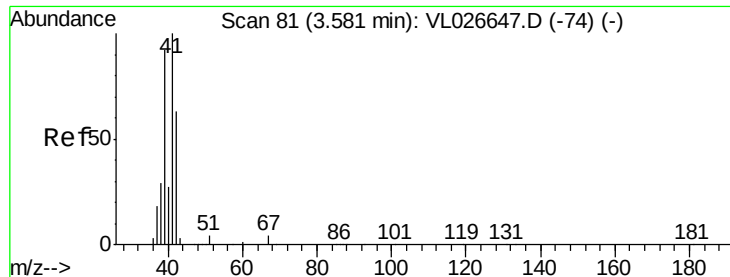
135 64.1 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.35 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 41 Resp: 11038

Ion Ratio Lower Upper

41 100

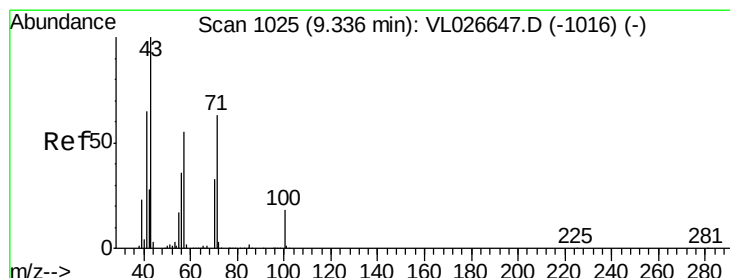
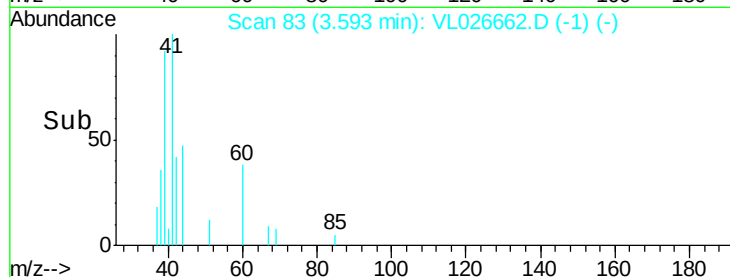
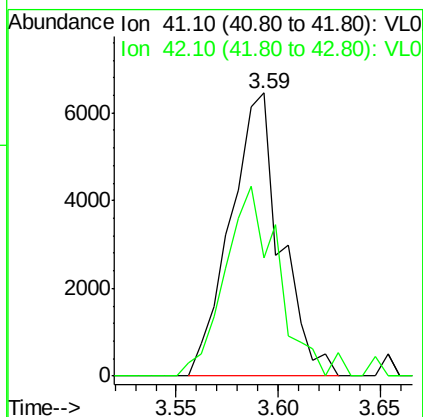
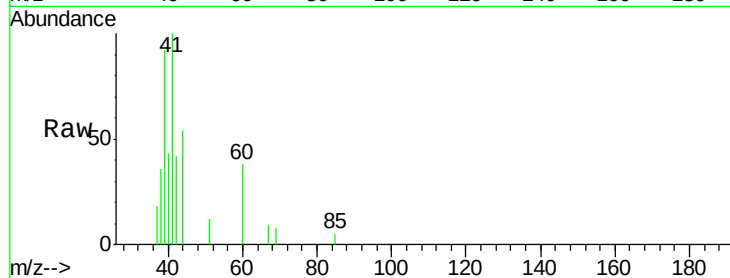
42 71.4 53.6 80.4

Manual Integrations

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#10

Heptane

Concen: 0.37 ppbv

RT: 9.34 min Scan# 1025

Delta R.T. -0.00 min

Lab File: VL026662.D

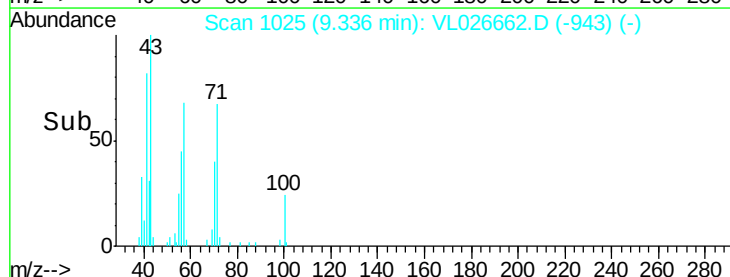
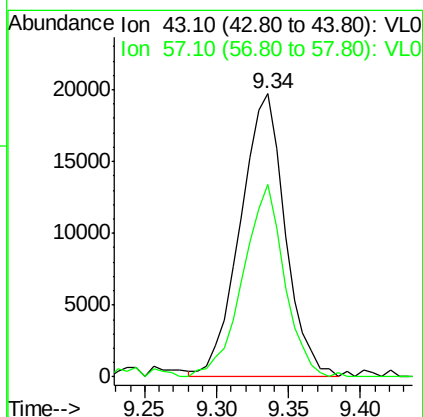
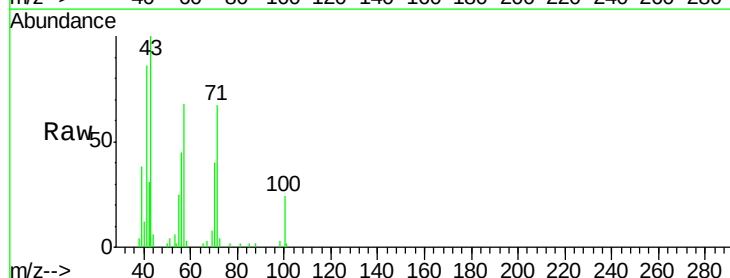
Acq: 9 Jan 2016 5:47

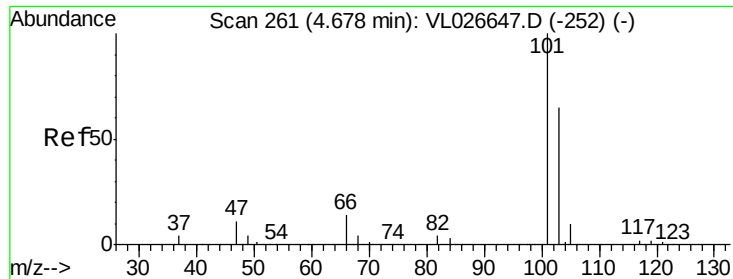
Tgt Ion: 43 Resp: 42623

Ion Ratio Lower Upper

43 100

57 65.4 45.8 68.6





#11

Trichlorofluoromethane

Concen: 0.53 ppbv

RT: 4.68 min Scan# 261

Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion:101 Resp: 95759

Ion Ratio Lower Upper

101 100

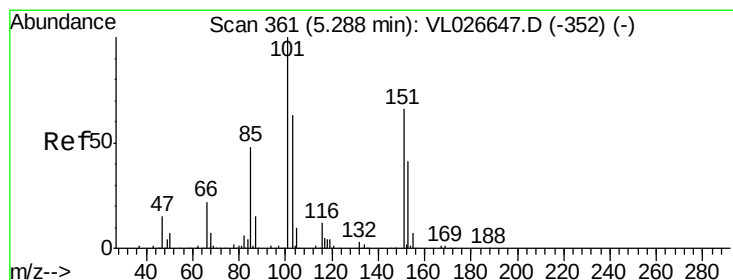
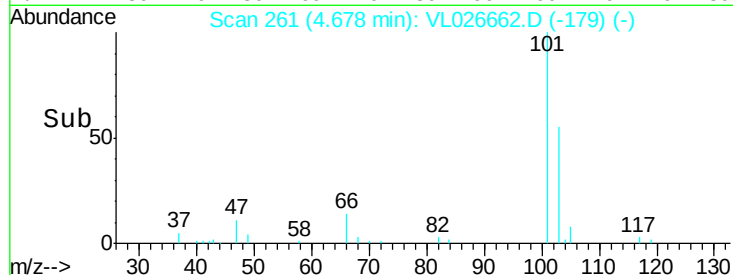
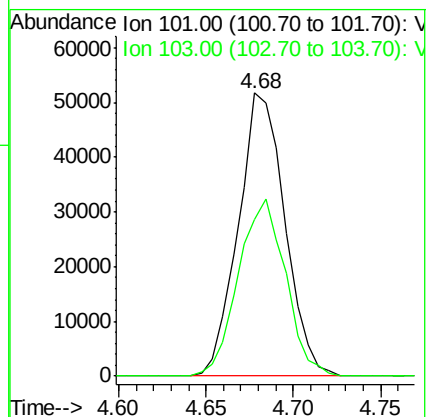
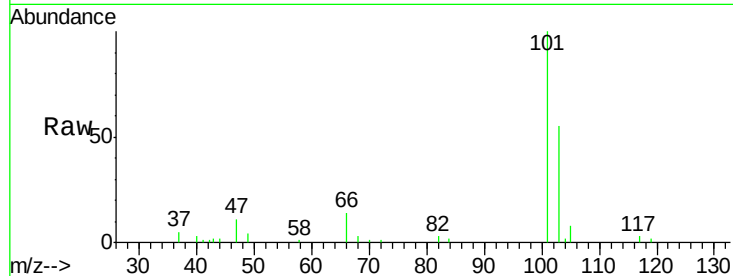
103 55.2 51.7 77.5

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.51 ppbv

RT: 5.29 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL026662.D

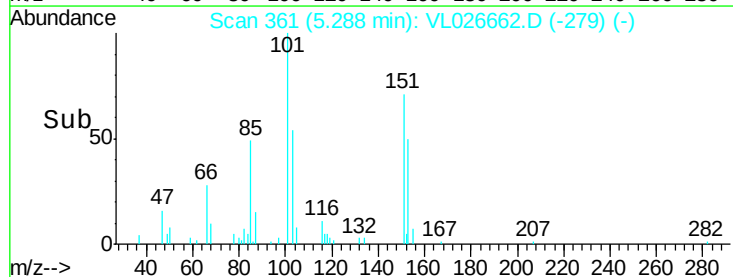
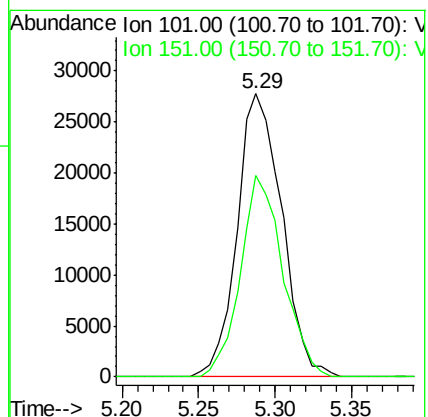
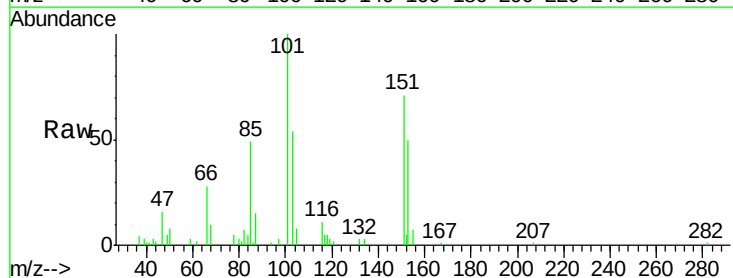
Acq: 9 Jan 2016 5:47

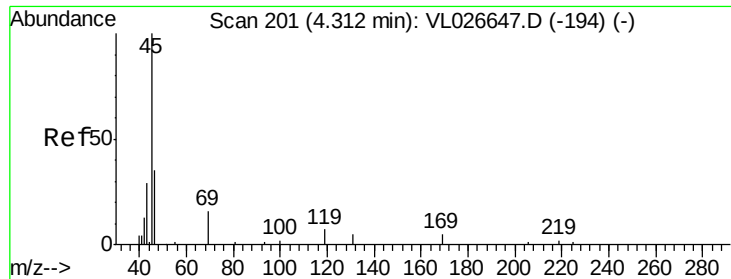
Tgt Ion:101 Resp: 56245

Ion Ratio Lower Upper

101 100

151 67.7 54.2 81.4





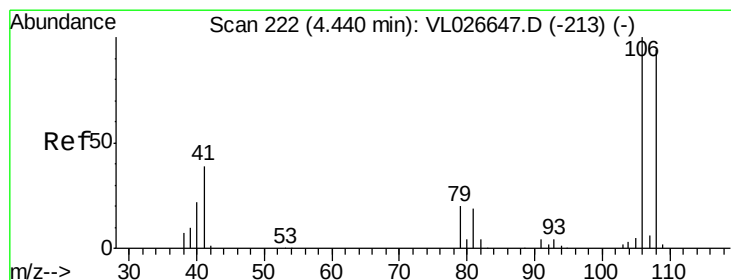
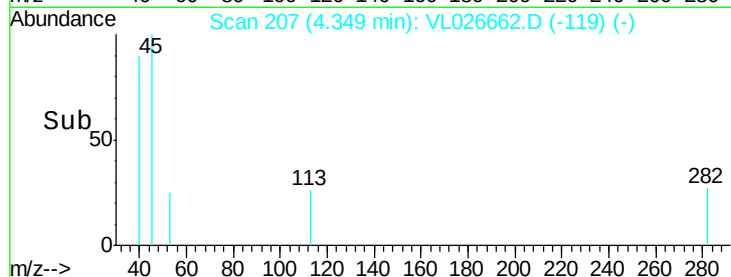
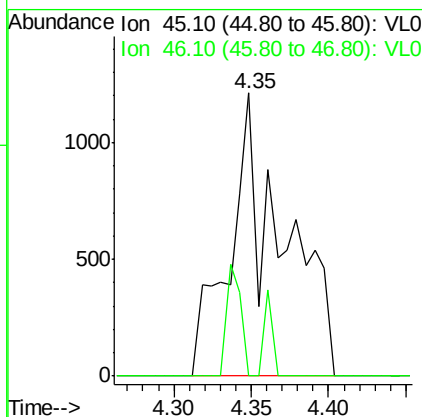
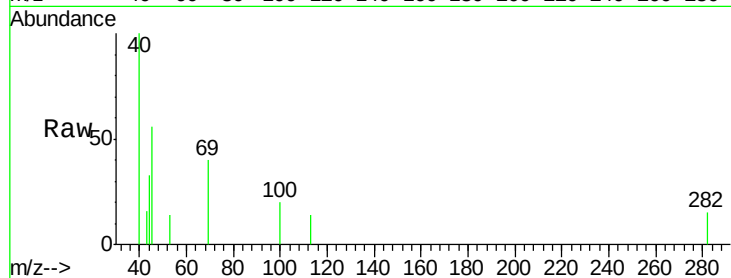
#13
Ethanol
Concen: 0.49 ppbv m
RT: 4.35 min Scan# 207
Delta R.T. 0.04 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion: 45 Resp: 2905
Ion Ratio Lower Upper
45 100
46 15.2 16.7 66.7#

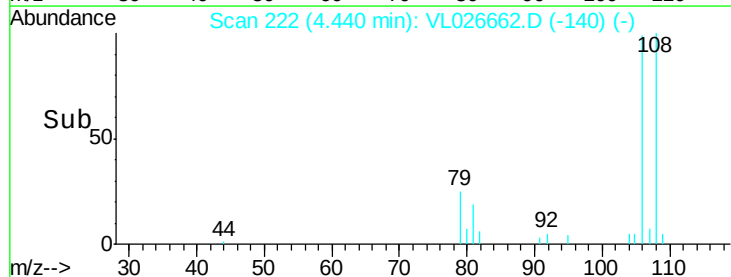
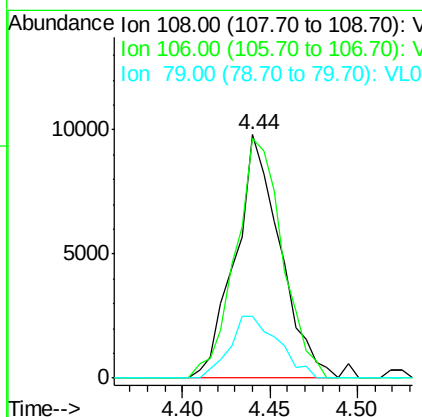
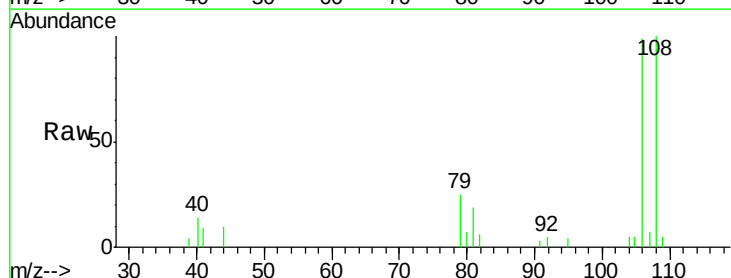
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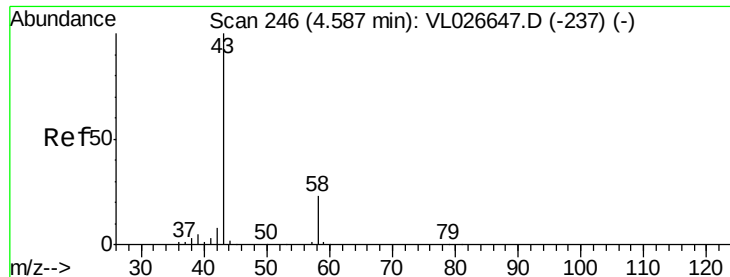
MMdadoda
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#14
Bromoethene
Concen: 0.44 ppbv
RT: 4.44 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion:108 Resp: 17546
Ion Ratio Lower Upper
108 100
106 102.5 86.4 129.6
79 27.7 17.2 25.8#





#15

Acetone

Concen: 0.60 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.03 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 43 Resp: 64507

Ion Ratio Lower Upper

43 100

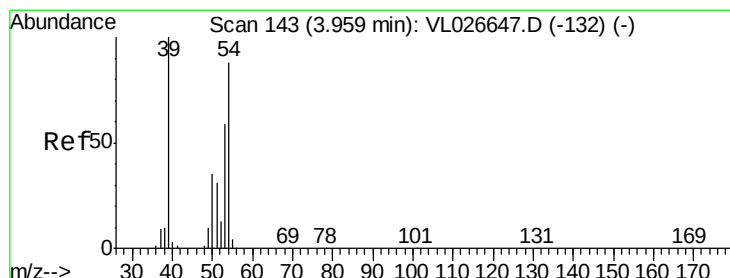
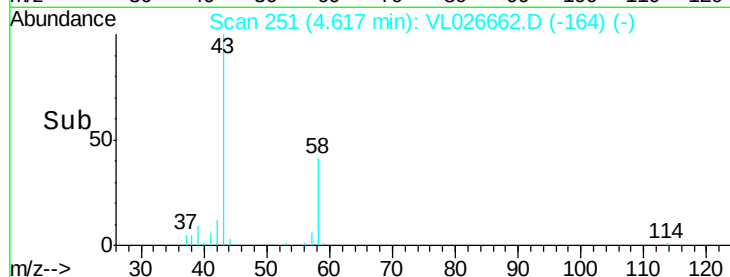
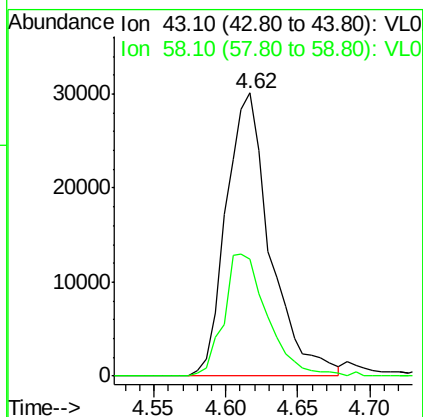
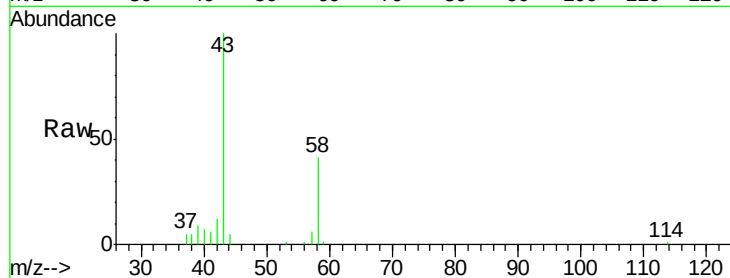
58 42.6 19.2 28.8#

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#16

1,3-Butadiene

Concen: 0.44 ppbv

RT: 3.96 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL026662.D

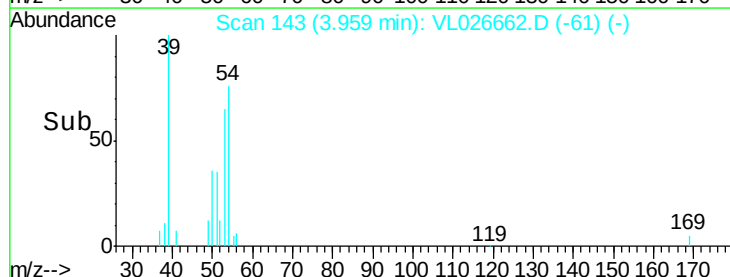
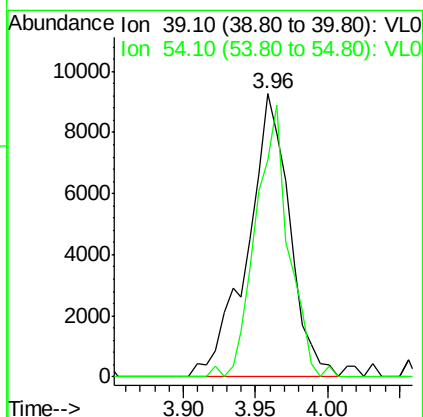
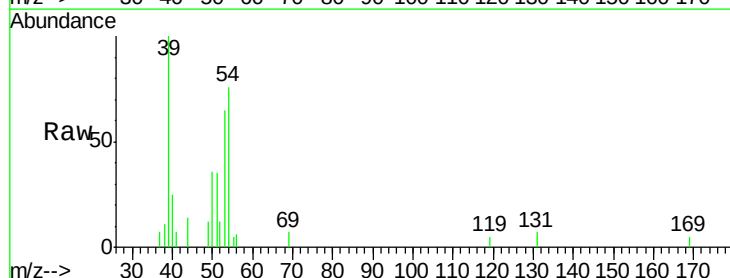
Acq: 9 Jan 2016 5:47

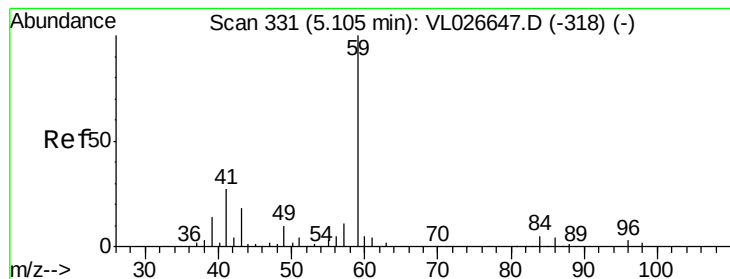
Tgt Ion: 39 Resp: 18766

Ion Ratio Lower Upper

39 100

54 74.8 66.6 100.0





#17

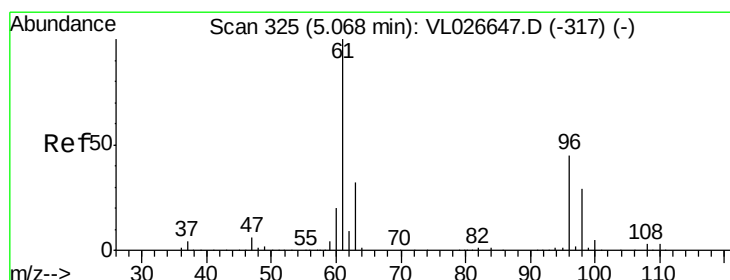
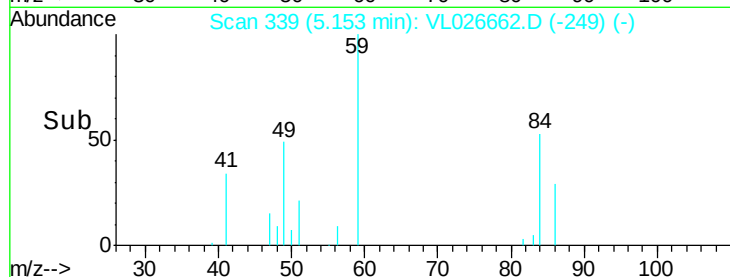
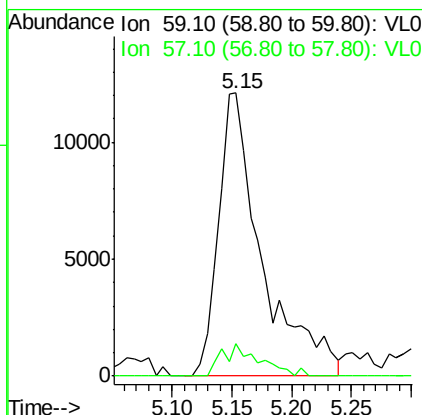
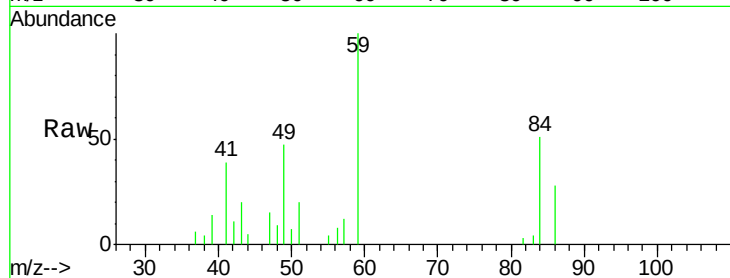
tert-Butyl alcohol
Concen: 0.38 ppbv m
RT: 5.15 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	9.0	13.6

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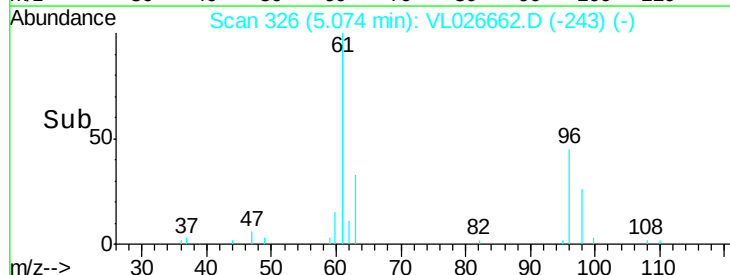
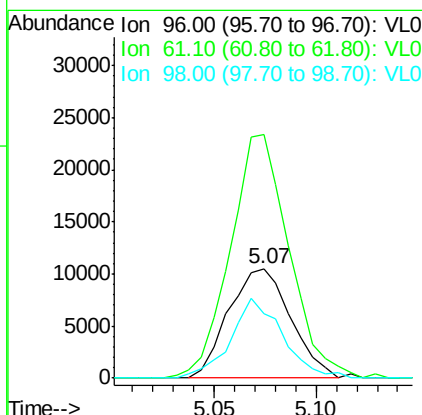
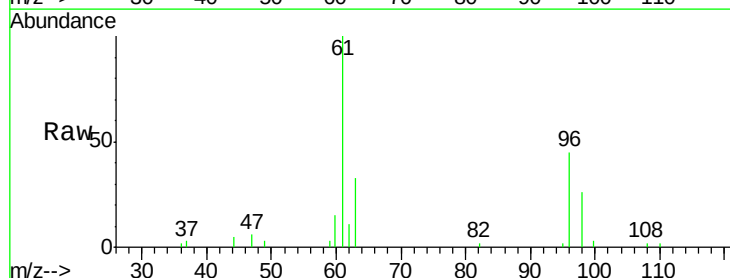
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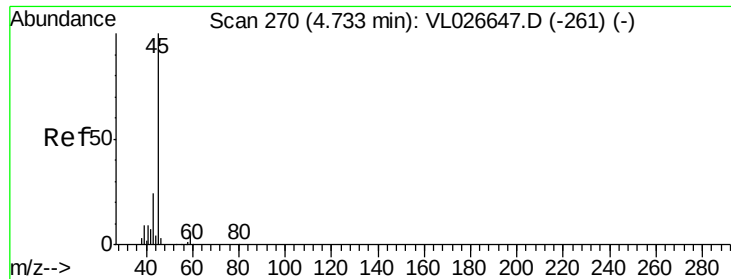


#18

1,1-Dichloroethene
Concen: 0.48 ppbv
RT: 5.07 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	215.2	176.7	265.1
98	54.9	51.8	77.6





#19

Isopropyl Alcohol

Concen: 0.33 ppbv m

RT: 4.78 min Scan# 277

Delta R.T. 0.04 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 45 Resp: 14605

Ion Ratio Lower Upper

45 100

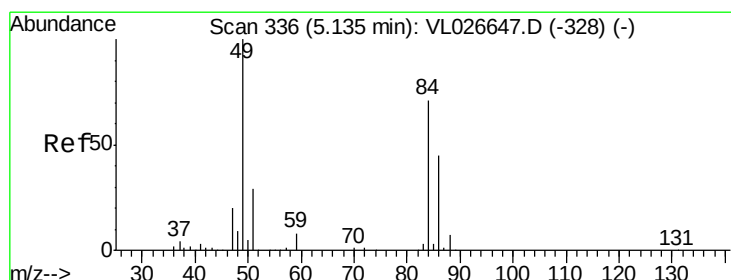
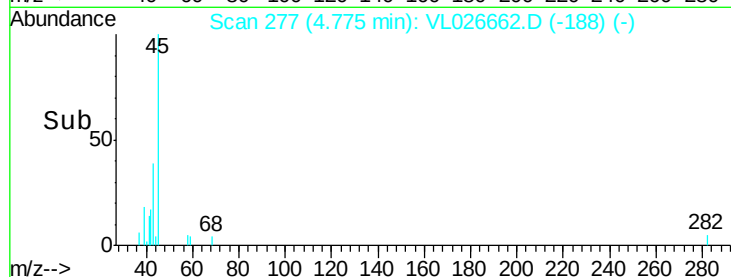
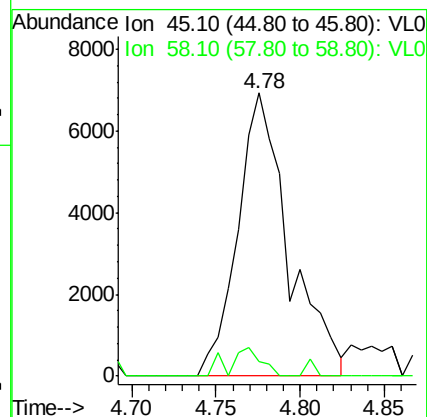
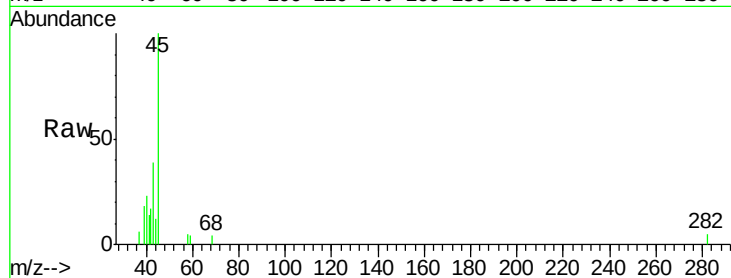
58 7.3 1.3 1.9#

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#20

Methylene Chloride

Concen: 0.54 ppbv

RT: 5.14 min Scan# 336

Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion: 84 Resp: 23733

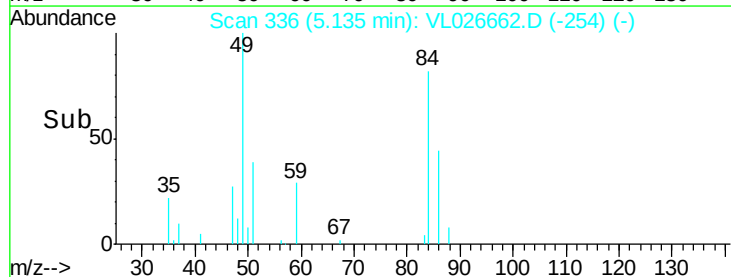
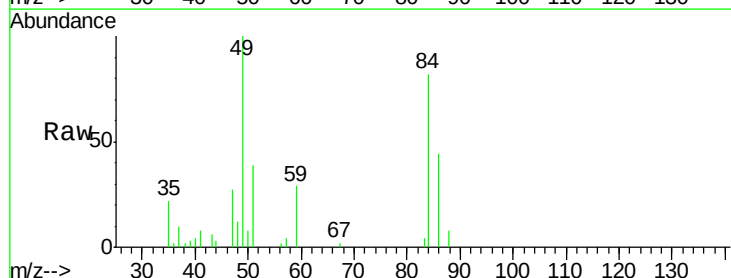
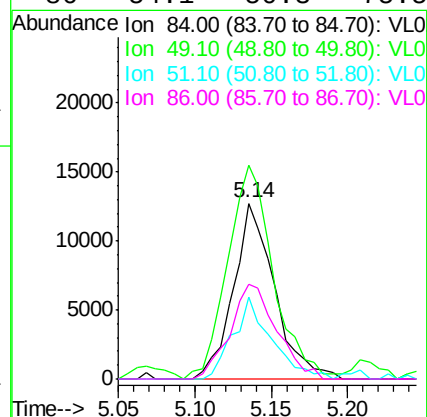
Ion Ratio Lower Upper

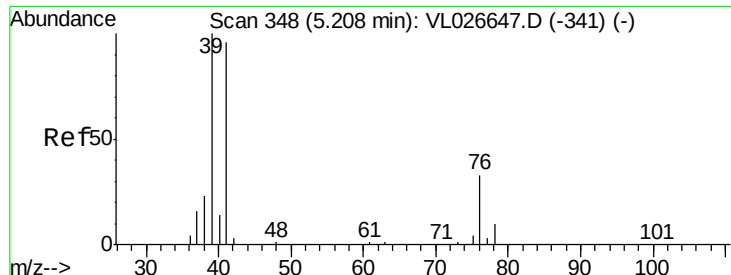
84 100

49 119.0 112.3 168.5

51 46.9 32.5 48.7

86 54.1 50.3 75.5





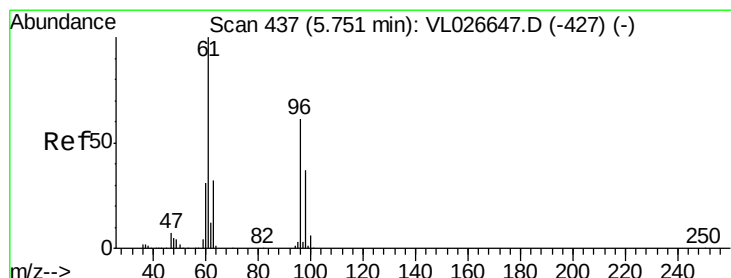
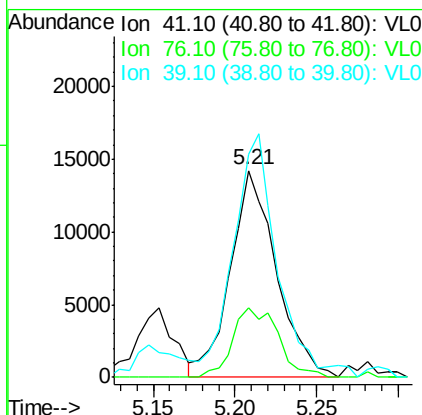
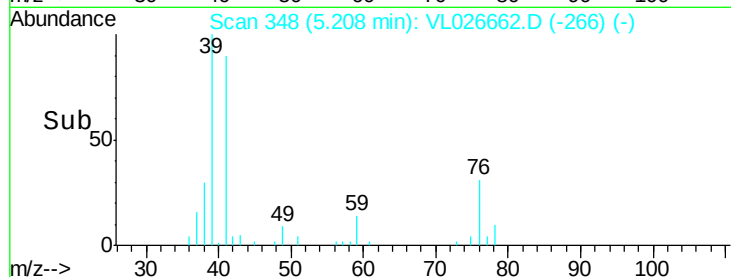
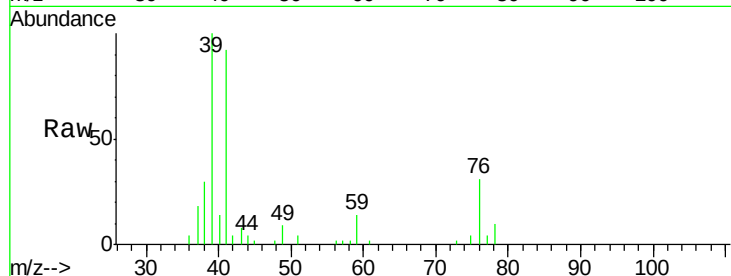
#21
Allvl Chloride
Concen: 0.43 ppbv
RT: 5.21 min Scan# 348
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
41	100		
76	33.3	27.5	41.3
39	130.7	83.0	124.6

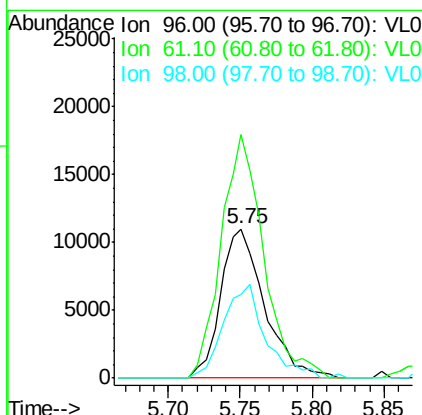
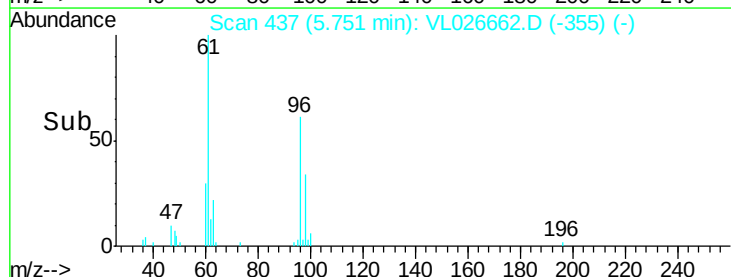
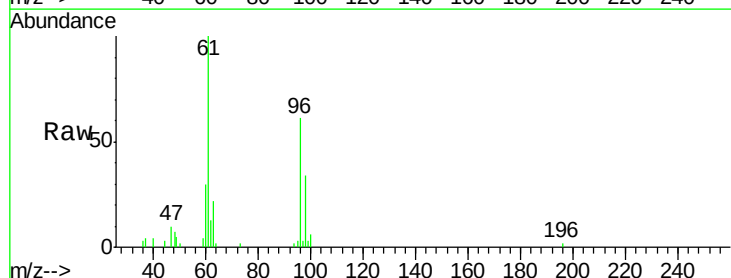
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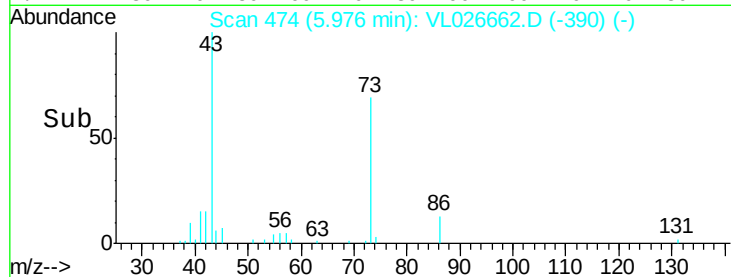
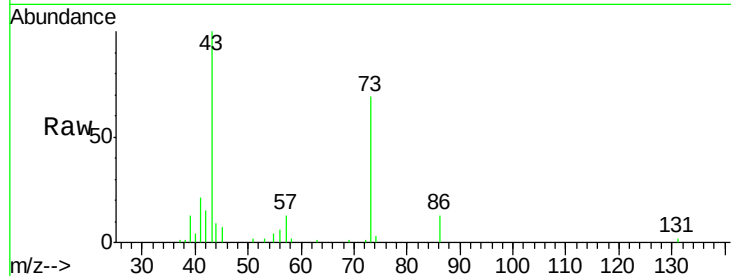
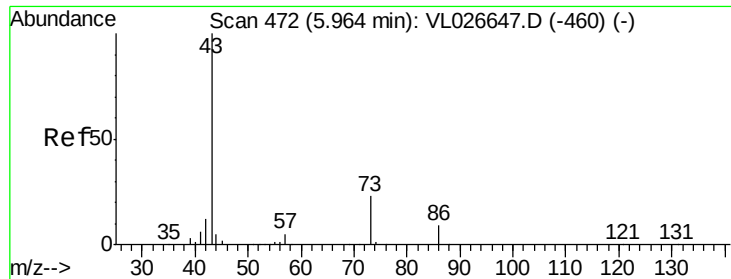
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#22
trans-1,2-Dichloroethene
Concen: 0.45 ppbv
RT: 5.75 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.9	131.0	196.6
98	55.9	48.1	72.1





#23

Vinyl Acetate

Concen: 0.36 ppbv

RT: 5.98 min Scan# 474

Delta R.T. 0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tot Ion:	43	Resp:	59042
Ion Ratio	Lower	Upper	
43	100		
86	12.5	7.4	11.0#
42	14.9	9.2	13.8#
44	8.2	3.8	5.8#

Instrument :

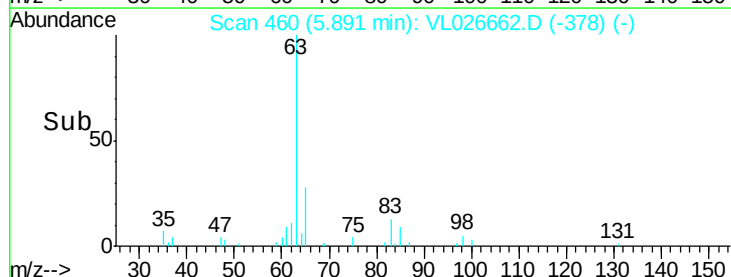
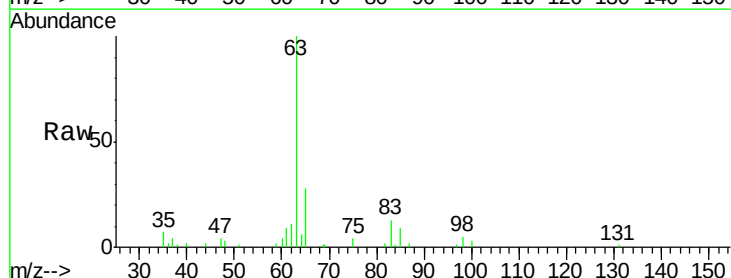
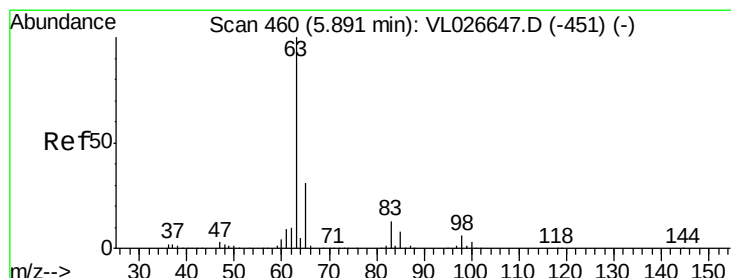
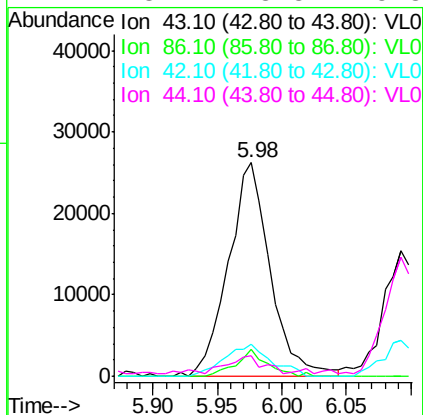
MSVOA_L

ClientSampled :

MDL-AIR-4

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#24

1,1-Dichloroethane

Concen: 0.45 ppbv

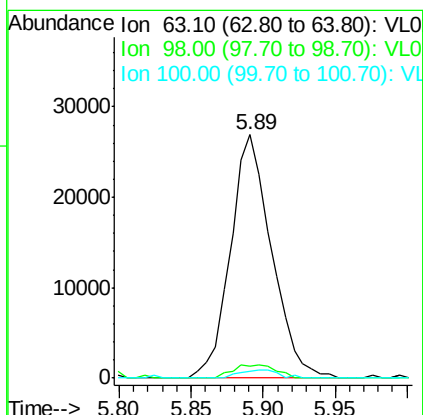
RT: 5.89 min Scan# 460

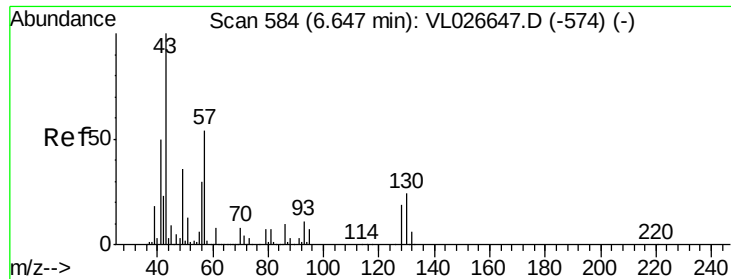
Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:	63	Resp:	53519
Ion Ratio	Lower	Upper	
63	100		
98	5.0	2.9	8.7
100	2.8	1.6	4.8





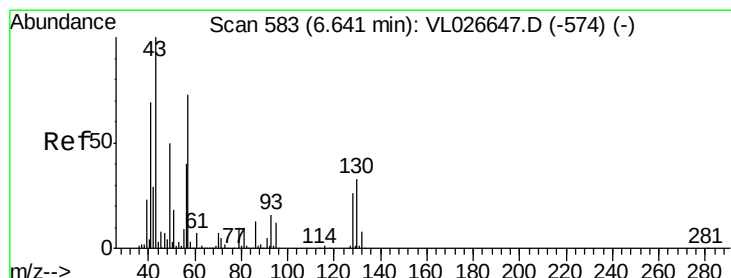
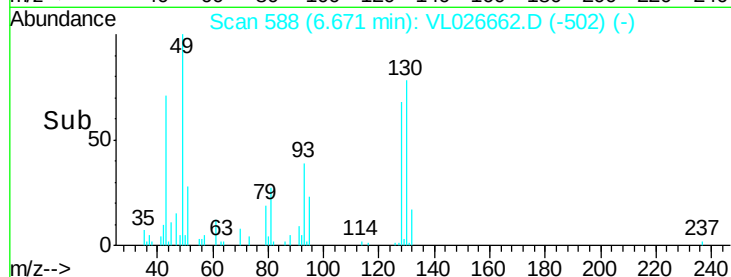
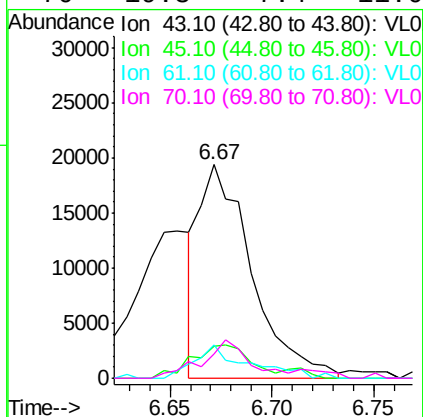
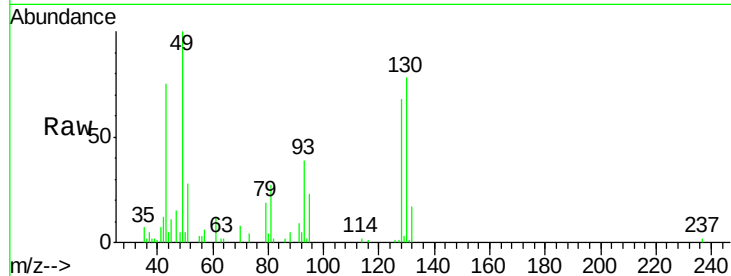
#25
Ethyl Acetate
Concen: 0.21 ppbv m
RT: 6.67 min Scan# 588
Delta R.T. 0.02 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	19.2	7.5	11.3#		
61	16.7	7.3	10.9#		
70	19.3	7.4	11.0#		

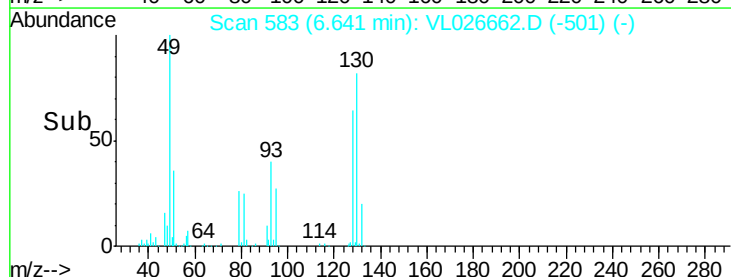
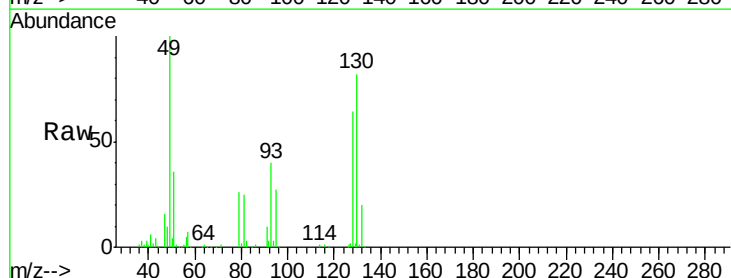
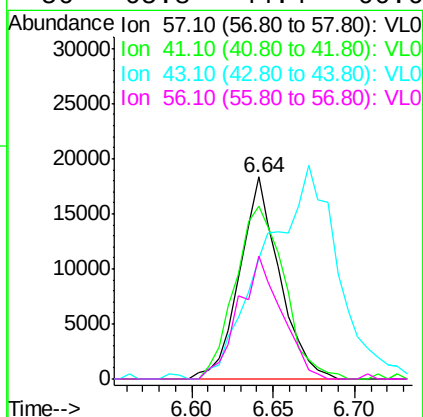
Manual Integrations
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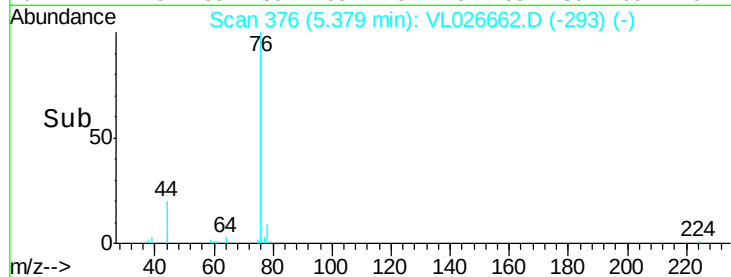
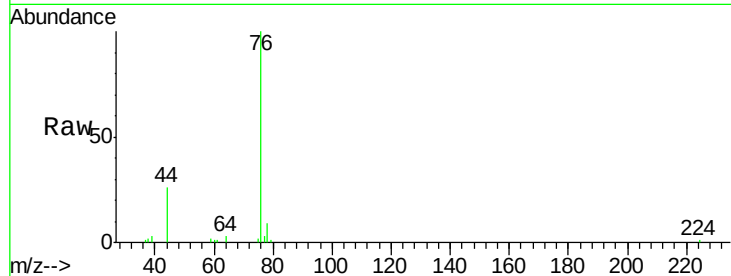
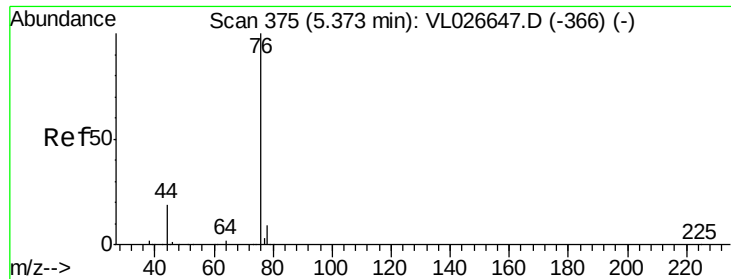
MMdadoda
1/14/2016 10:51:19 AM



#26
Hexane
Concen: 0.37 ppbv
RT: 6.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	106.3	74.8	112.2		
43	196.7	161.5	242.3		
56	65.8	44.4	66.6		





#27

Carbon Disulfide

Concen: 0.44 ppbv

RT: 5.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: VL026662.D

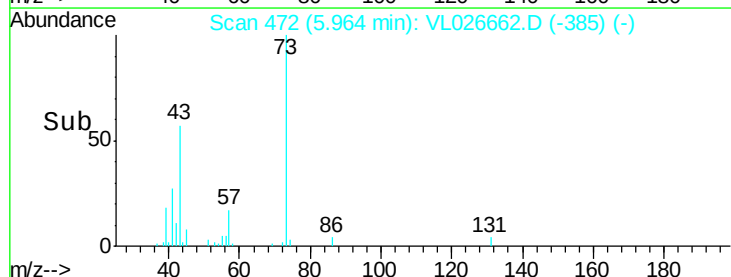
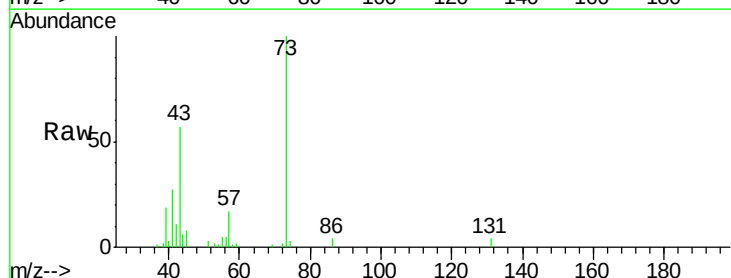
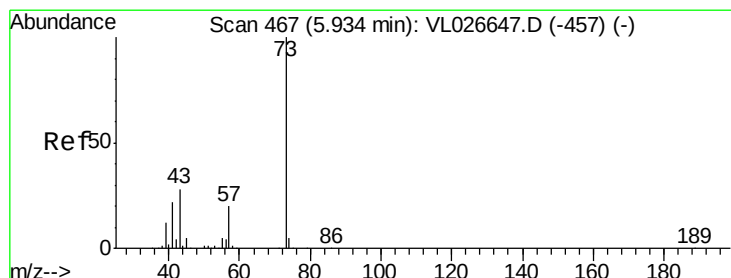
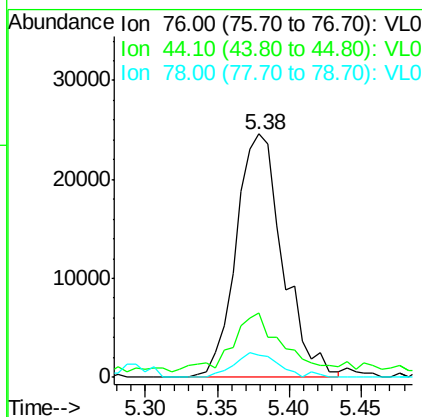
Acq: 9 Jan 2016 5:47

Tot Ion:	76	Resp:	55526
Ion Ratio	Lower	Upper	
76	100		
44	33.0	15.9	23.9#
78	9.6	7.6	11.4

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

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#28

Methyl tert-Butyl Ether

Concen: 0.37 ppbv

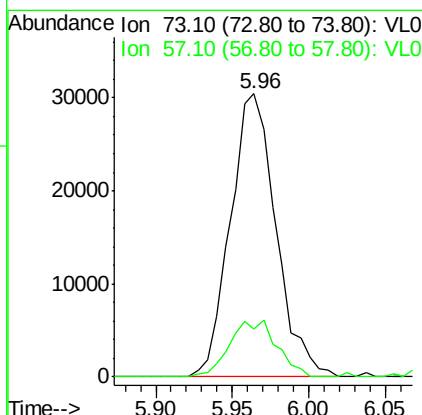
RT: 5.96 min Scan# 472

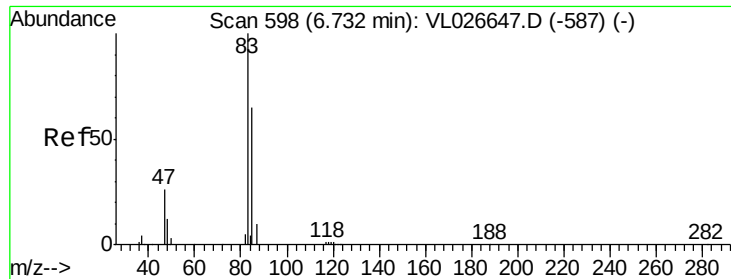
Delta R.T. 0.03 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:	73	Resp:	63058
Ion Ratio	Lower	Upper	
73	100		
57	20.6	16.2	24.4





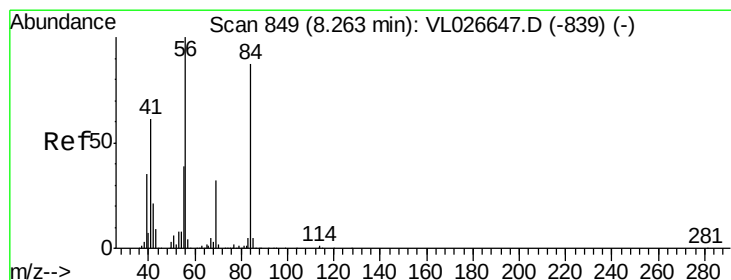
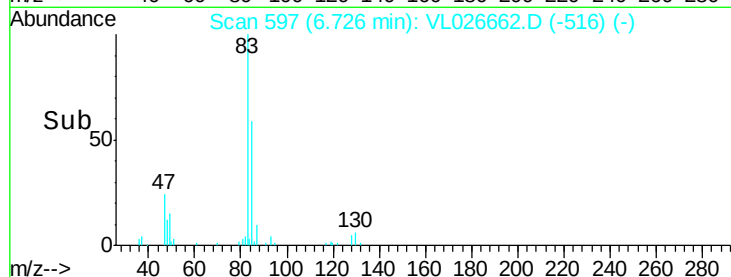
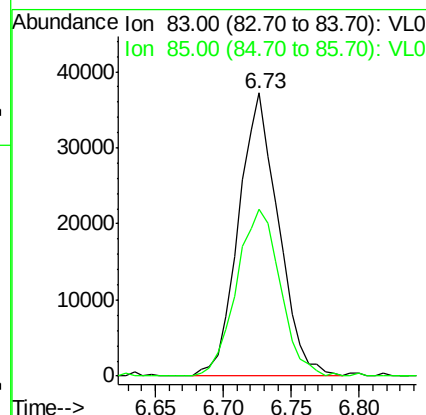
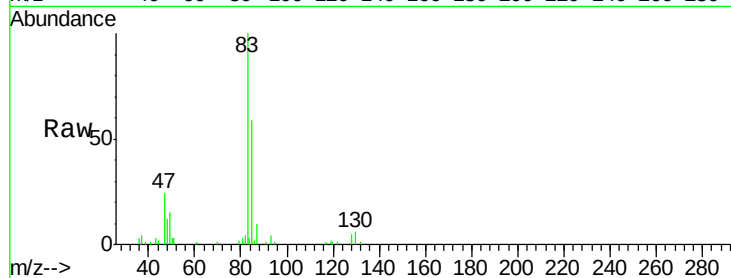
#29
Chloroform
Concen: 0.49 ppbv
RT: 6.73 min Scan# 597
Delta R.T. -0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion	83	Resp	76025
Ion Ratio	100	Lower	Upper
83	100		
85	58.8	51.6	77.4

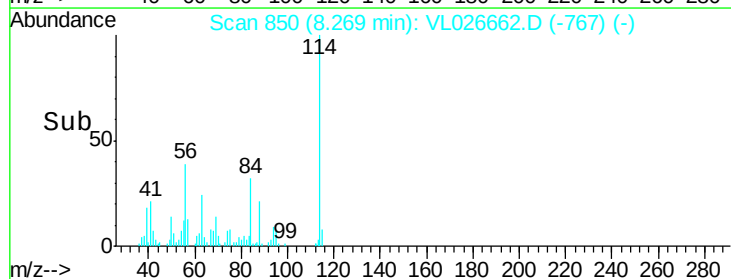
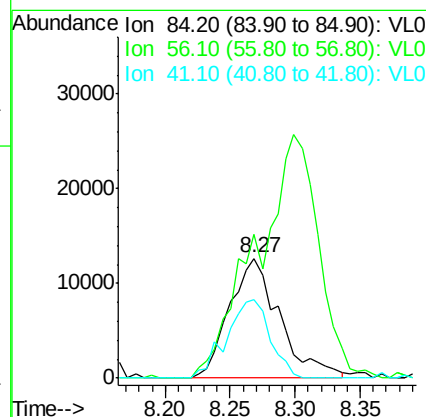
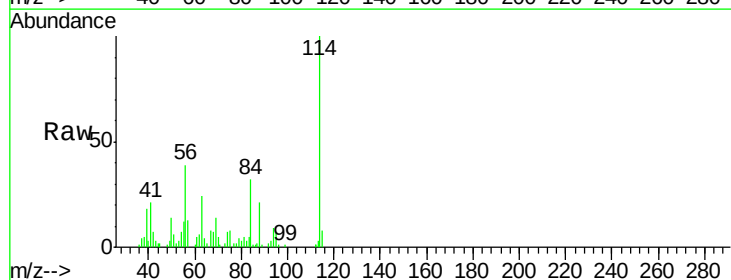
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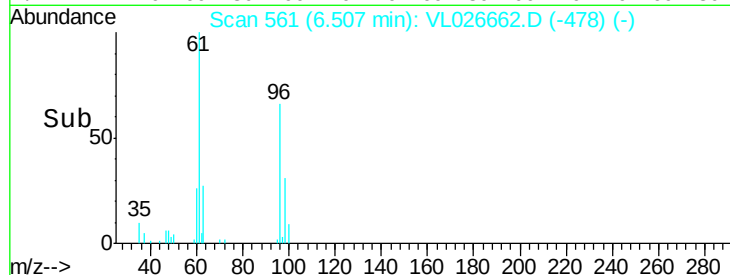
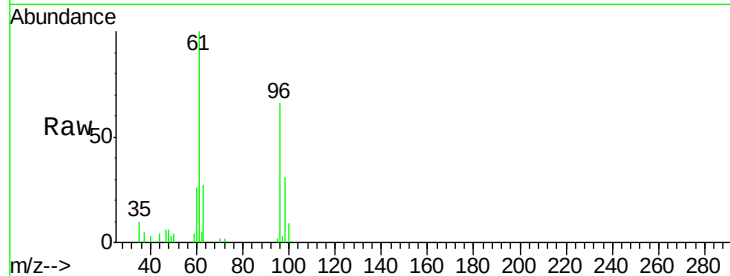
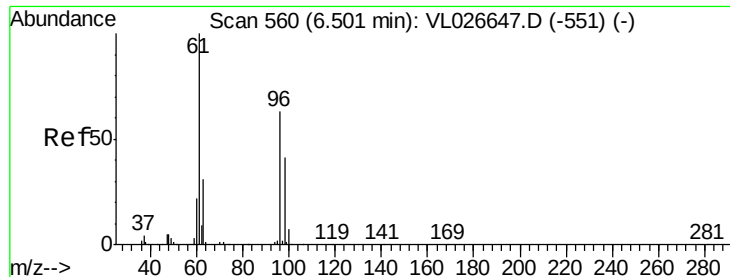
MMdadoda
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#30
Cyclohexane
Concen: 0.40 ppbv m
RT: 8.27 min Scan# 850
Delta R.T. 0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	84	Resp	33974
Ion Ratio	100	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	56.8	54.8	82.2





#31

cis-1,2-Dichloroethene

Concen: 0.36 ppbv

RT: 6.51 min Scan# 561

Delta R.T. 0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tot Ion:	61	Resp:	30735
Ion	Ratio	Lower	Upper
61	100		
96	65.9	50.2	75.4
98	31.3	32.4	48.6#

Instrument :

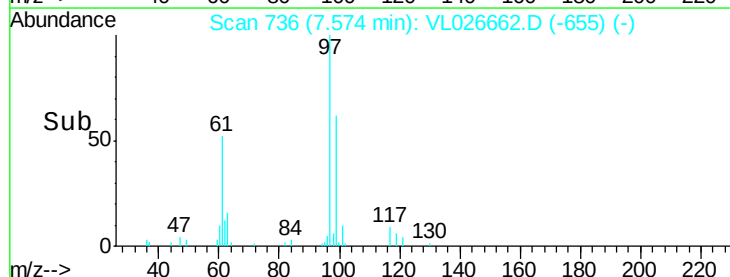
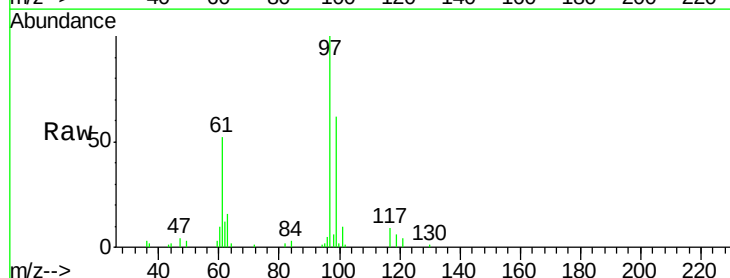
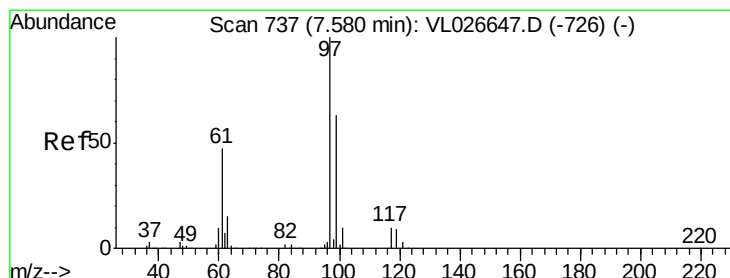
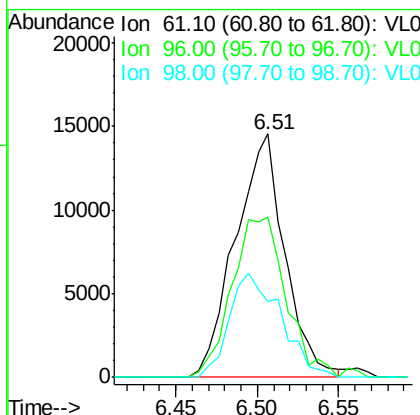
MSVOA_L

ClientSampleId :

MDL-AIR-4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.43 ppbv

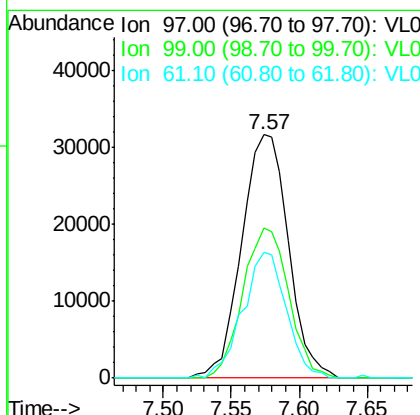
RT: 7.57 min Scan# 736

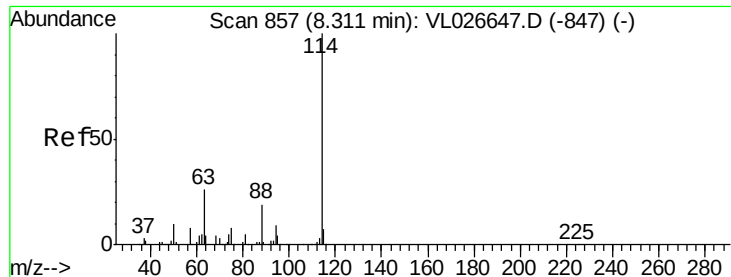
Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:	97	Resp:	76010
Ion	Ratio	Lower	Upper
97	100		
99	60.6	50.8	76.2
61	48.6	38.9	58.3





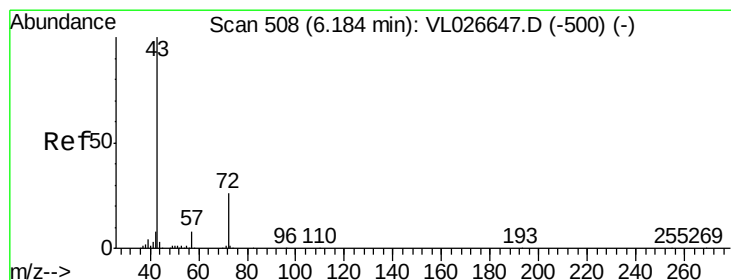
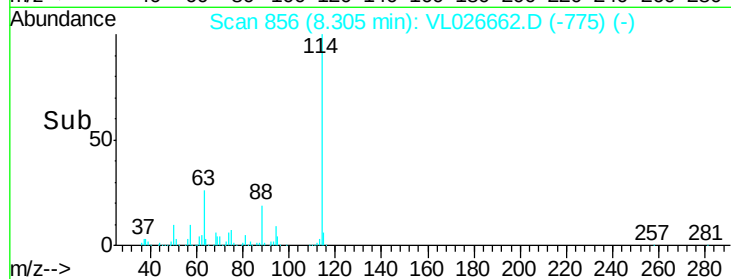
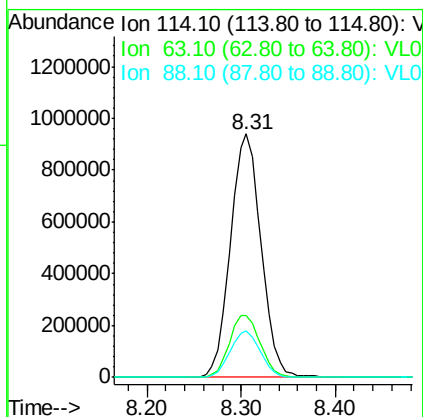
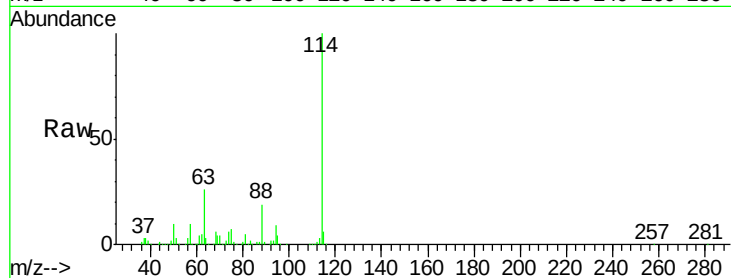
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.7	32.5
88	18.9	15.2	22.8

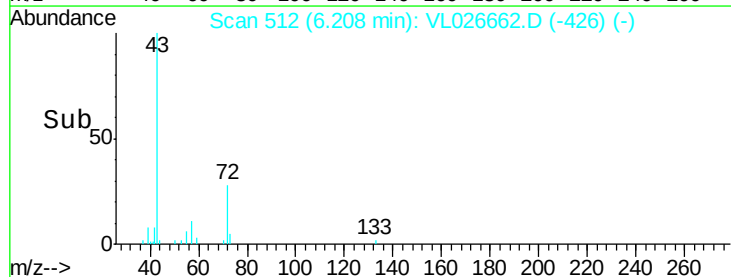
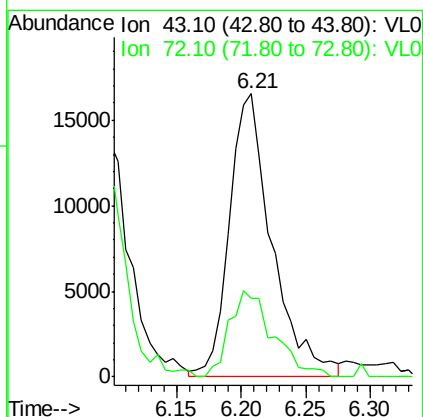
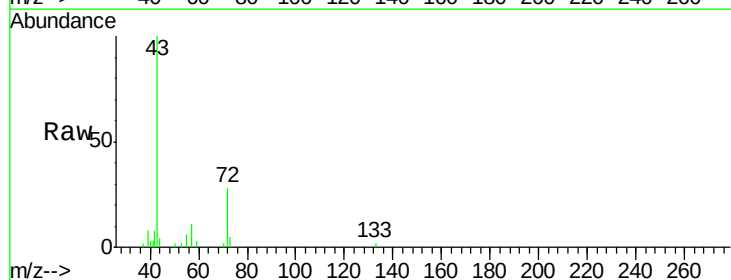
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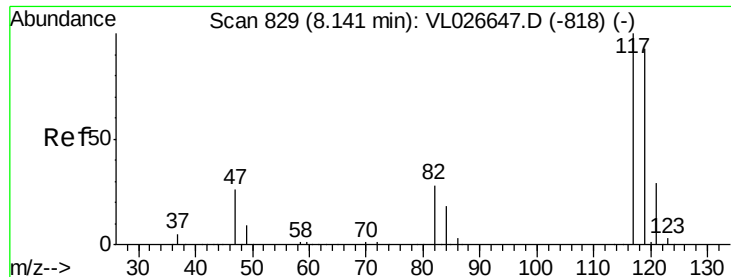
MMdadoda
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#34
 2-Butanone
 Concen: 0.34 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.0	20.9	31.3





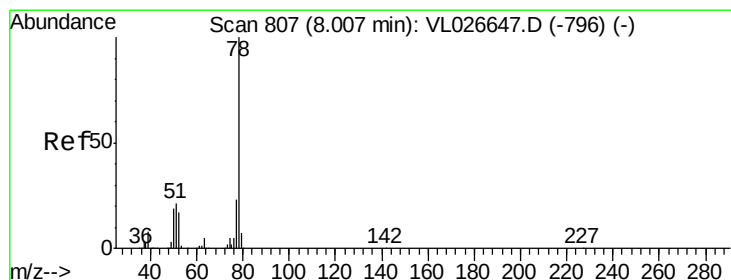
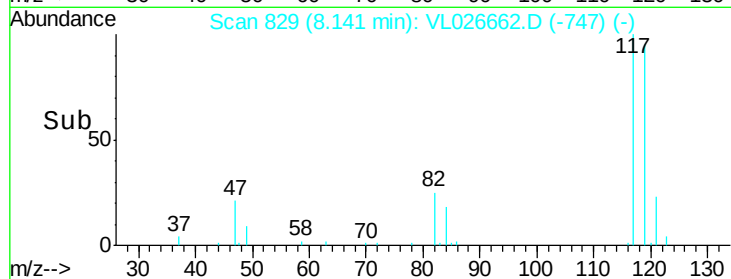
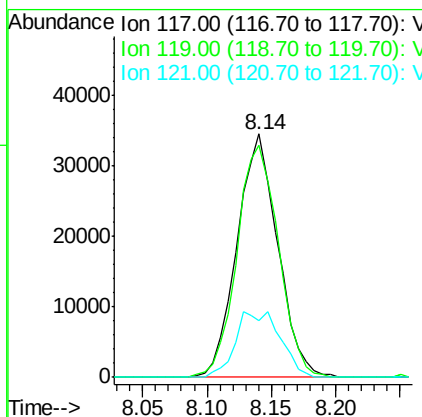
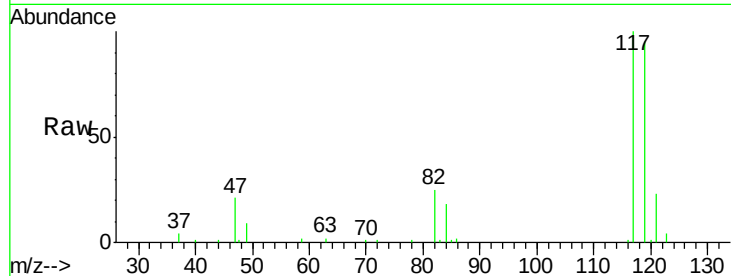
#35
Carbon Tetrachloride
Concen: 0.40 ppbv
RT: 8.14 min Scan# 829
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.5	74.7	112.1
121	23.1	23.1	34.7

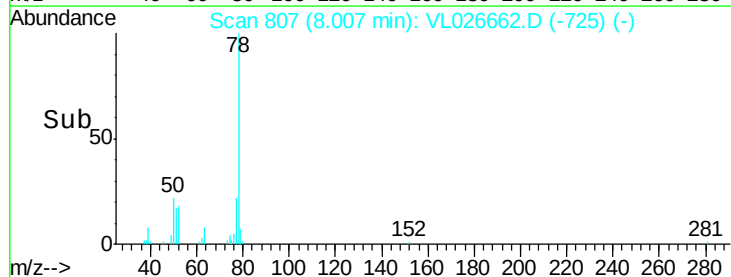
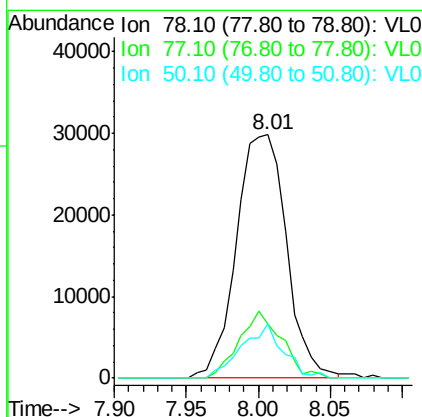
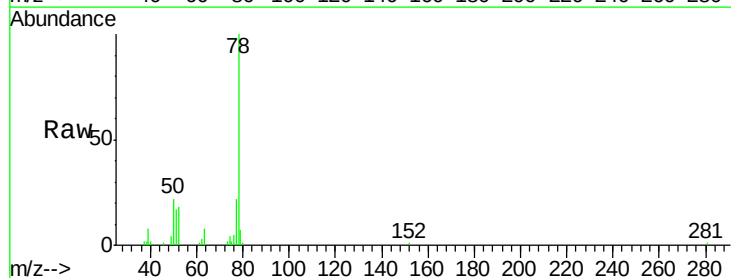
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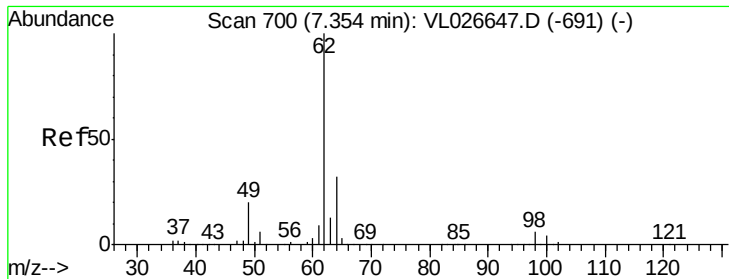
MMdadoda
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#36
Benzene
Concen: 0.33 ppbv
RT: 8.01 min Scan# 807
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.5	27.7
50	22.0	15.4	23.2





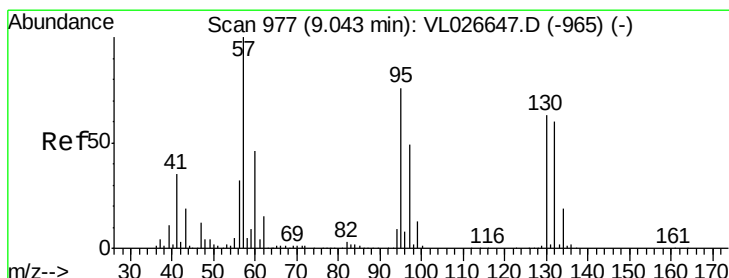
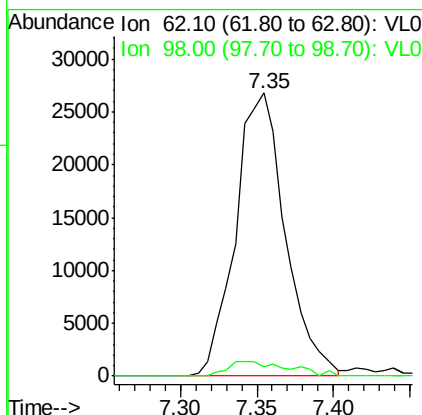
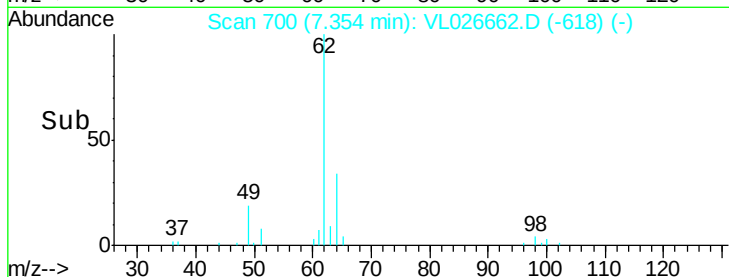
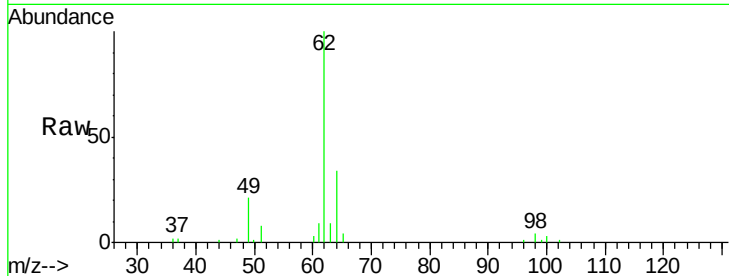
#37
 1,2-Dichloroethane
 Concen: 0.40 ppbv
 RT: 7.35 min Scan# 700
 Delta R.T. -0.00 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.8	7.2

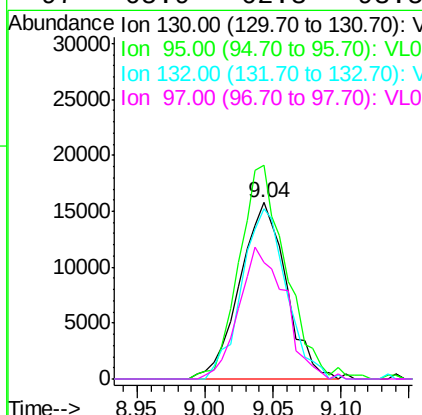
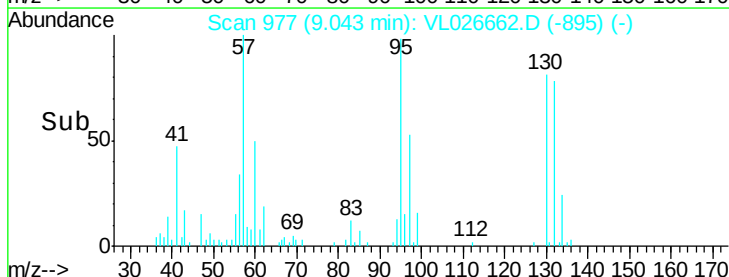
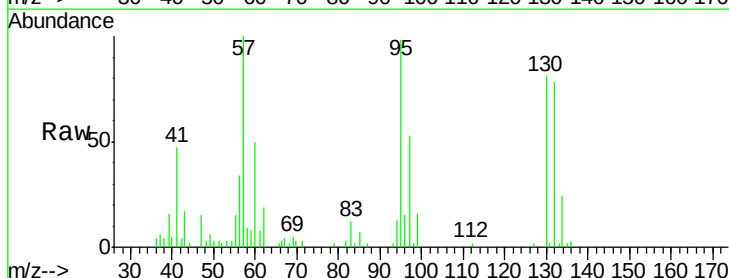
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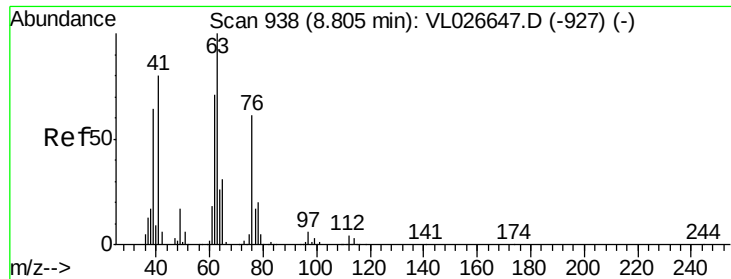
MMdadoda
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#38
 Trichloroethene
 Concen: 0.39 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.0	96.6	145.0
132	96.2	76.2	114.4
97	65.9	62.3	93.5





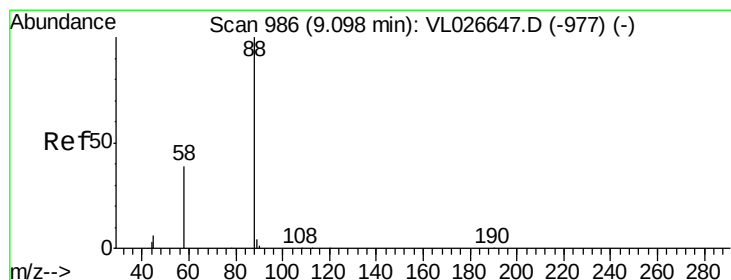
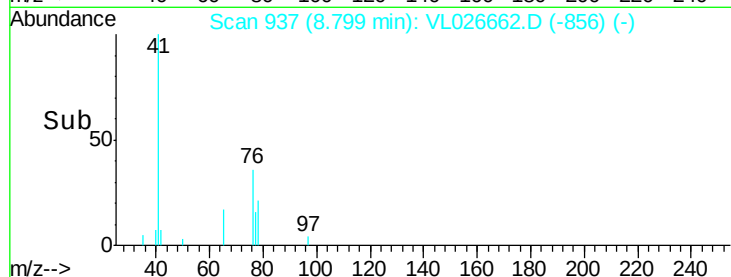
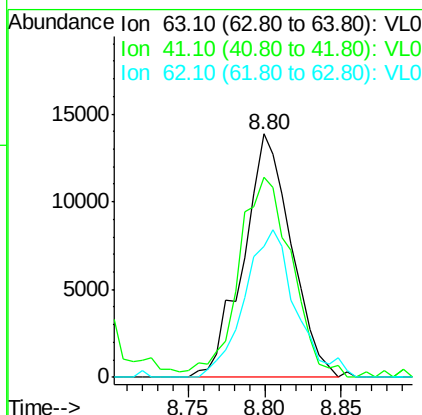
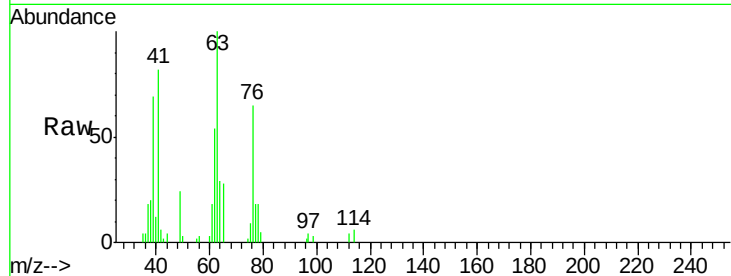
#39
 1,2-Dichloropropane
 Concen: 0.40 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.3	64.1	96.1
62	53.8	56.6	84.8#

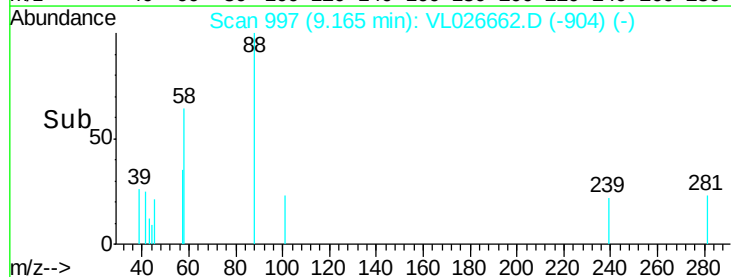
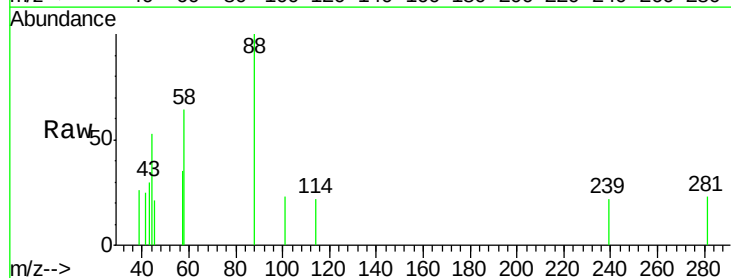
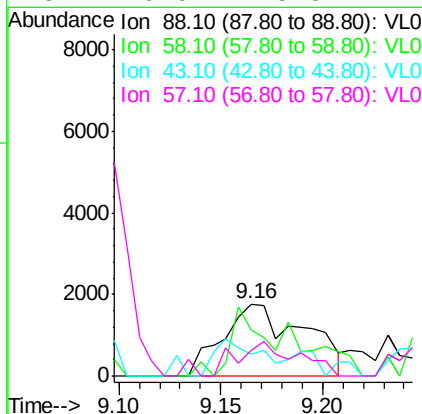
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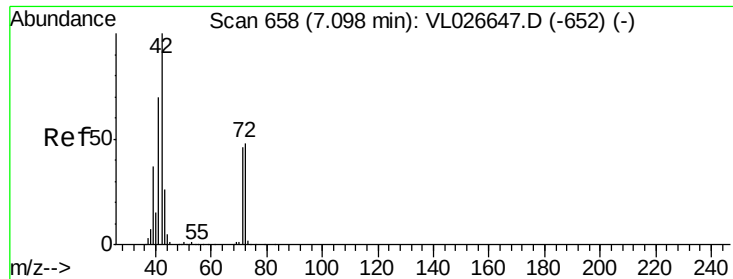
MMdadoda
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#40
 1,4-Dioxane
 Concen: 0.28 ppbv m
 RT: 9.16 min Scan# 997
 Delta R.T. 0.07 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	94.7	109.4	164.2#
43	57.4	238.2	357.2#
57	0.0	1148.3	1722.5#





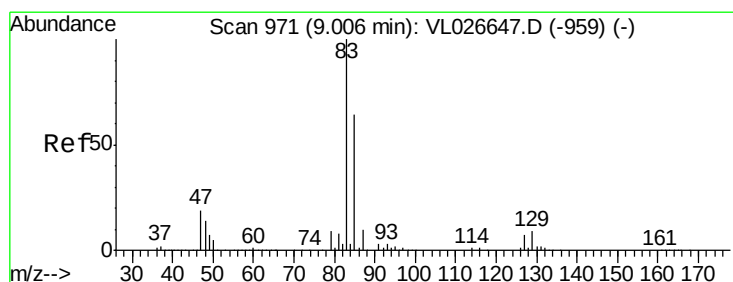
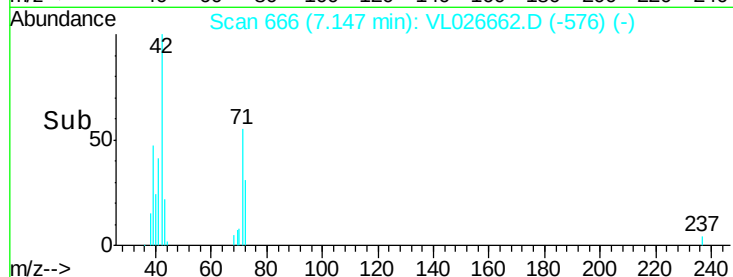
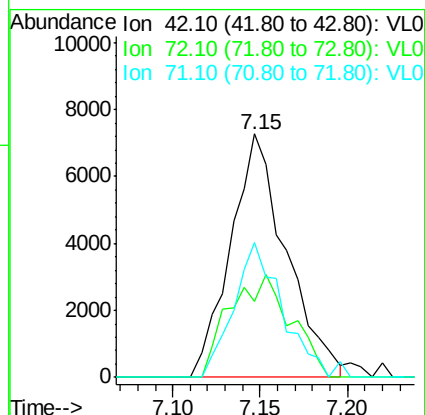
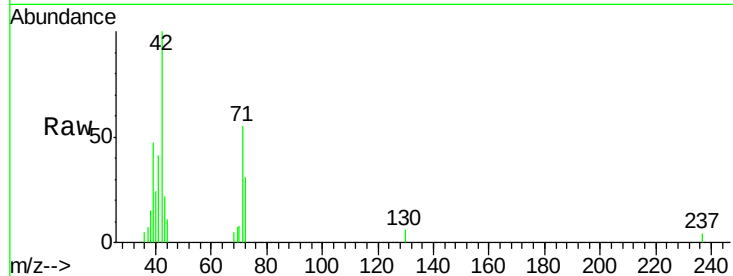
#41
Tetrahydrofuran
Concen: 0.29 ppbv
RT: 7.15 min Scan# 666
Delta R.T. 0.05 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion:	42	Resp:	16066
Ion Ratio	Lower	Upper	
42	100		
72	46.6	40.6	60.8
71	49.1	38.4	57.6

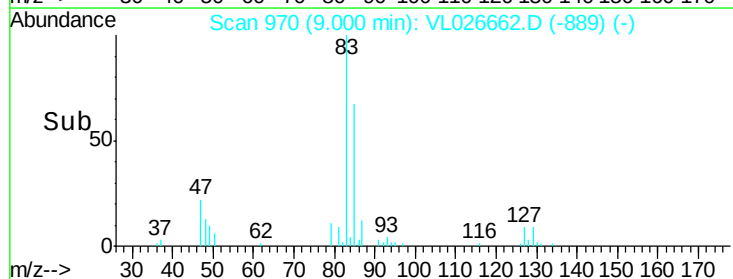
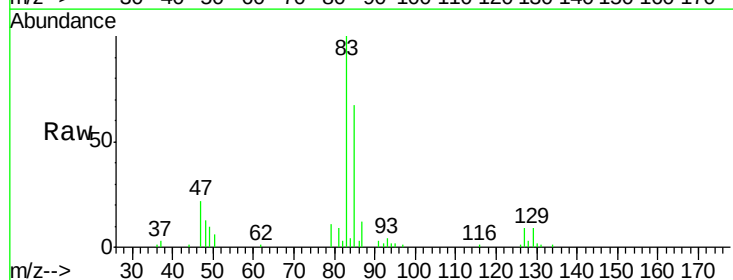
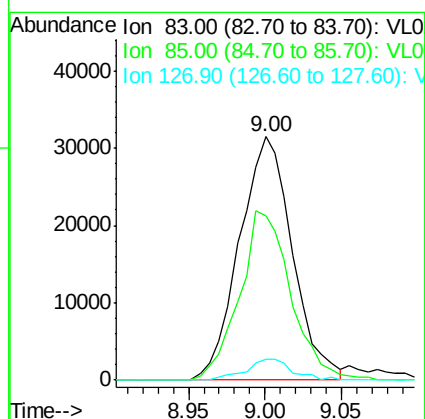
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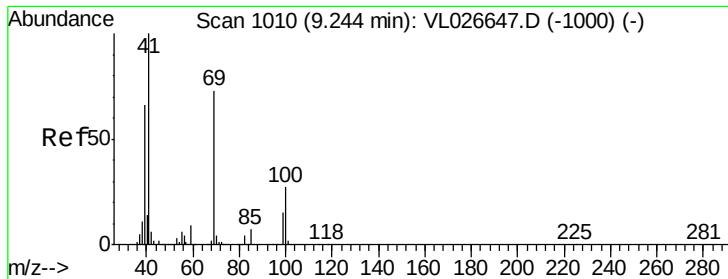
MMdadoda
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#42
Bromodichloromethane
Concen: 0.39 ppbv
RT: 9.00 min Scan# 970
Delta R.T. -0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion:	83	Resp:	75668
Ion Ratio	Lower	Upper	
83	100		
85	67.3	50.9	76.3
127	8.6	5.5	8.3#





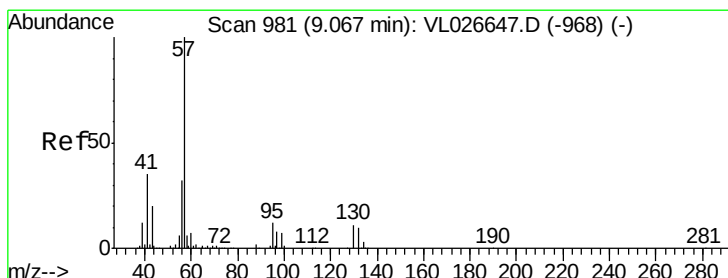
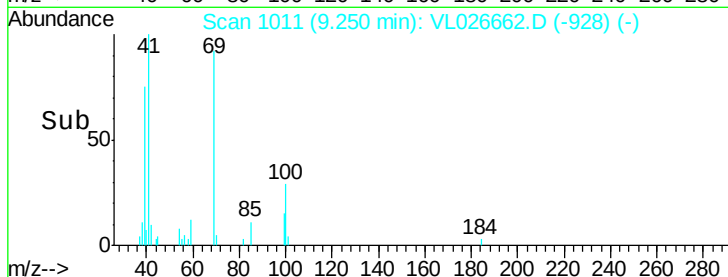
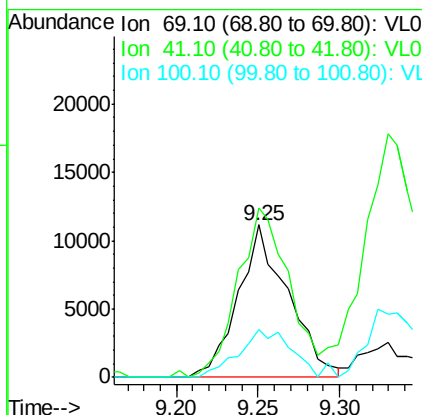
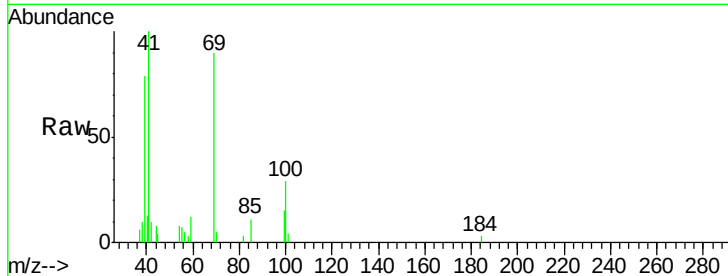
#43
Methyl Methacrylate
Concen: 0.30 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	113.9	106.1	159.1	
100	32.6	29.0	43.4	

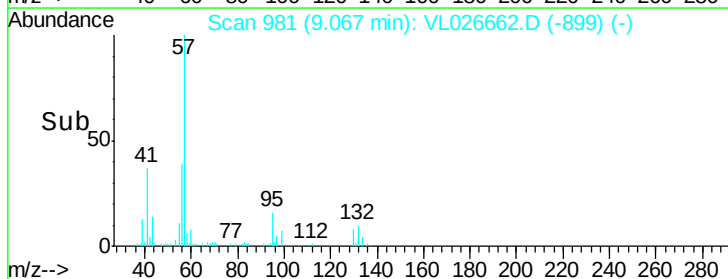
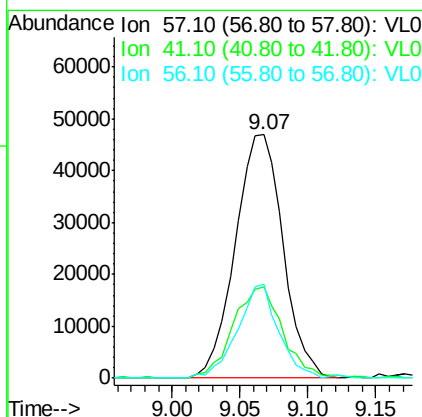
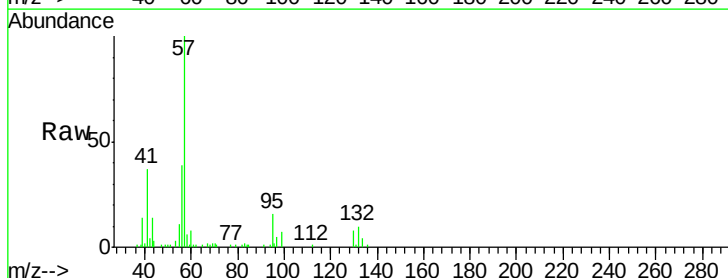
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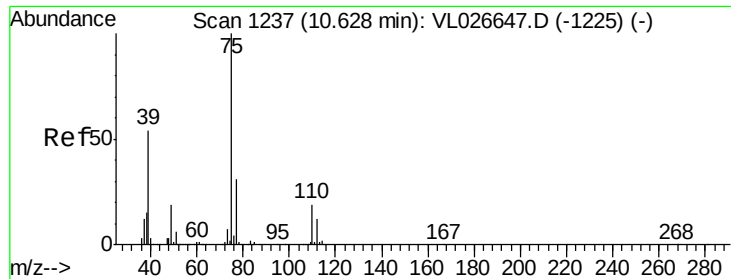
MMdadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.33 ppbv
RT: 9.07 min Scan# 981
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	39.3	26.9	40.3	
56	33.5	25.4	38.0	





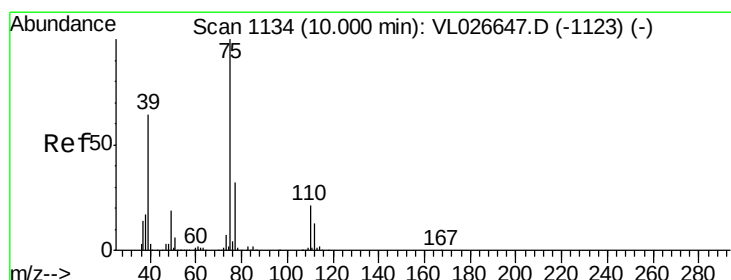
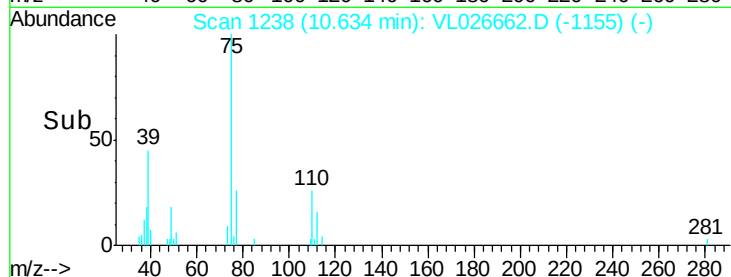
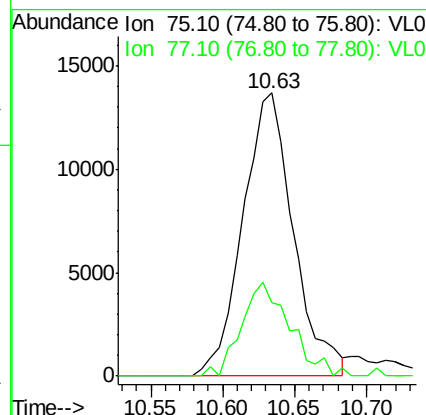
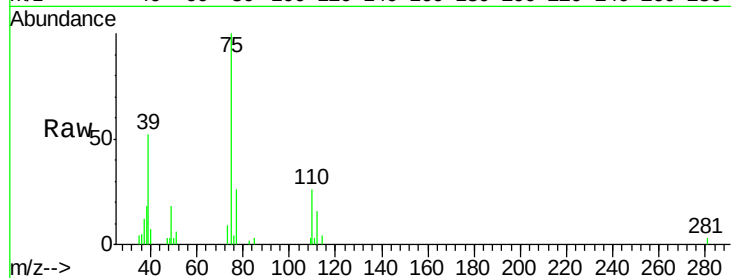
#45
 t-1,3-Dichloropropene
 Concen: 0.26 ppbv
 RT: 10.63 min Scan# 1238
 Delta R.T. 0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
75	100		
77	26.2	24.6	37.0

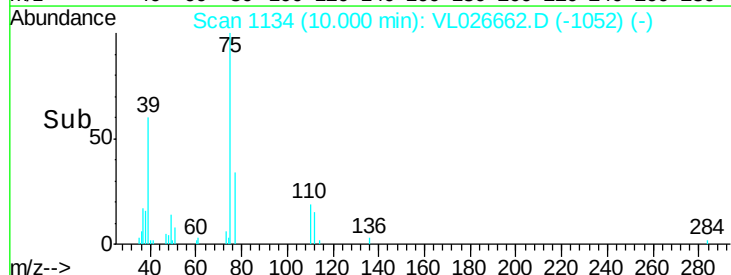
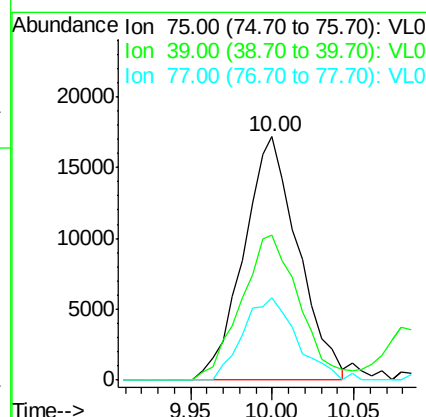
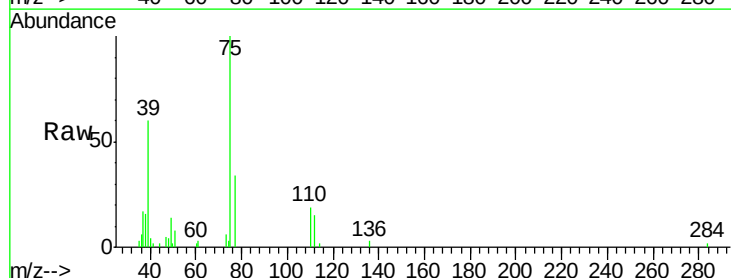
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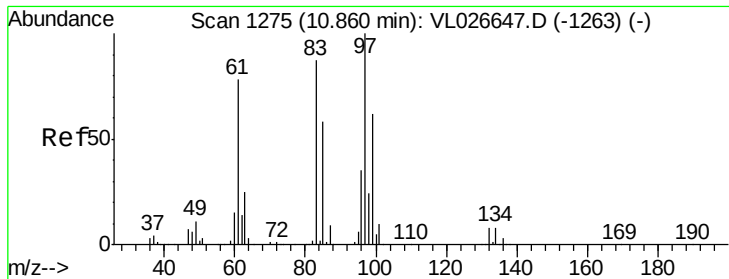
MMdadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 0.27 ppbv
 RT: 10.00 min Scan# 1134
 Delta R.T. -0.00 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
75	100		
39	59.6	51.2	76.8
77	33.6	25.9	38.9





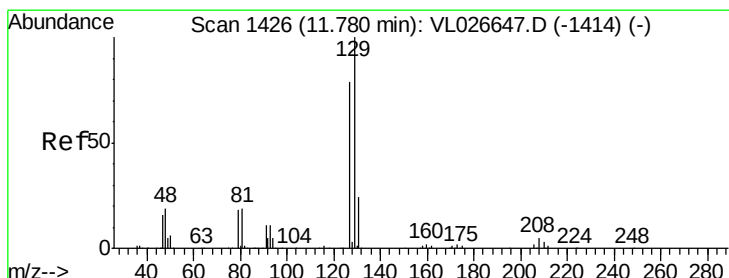
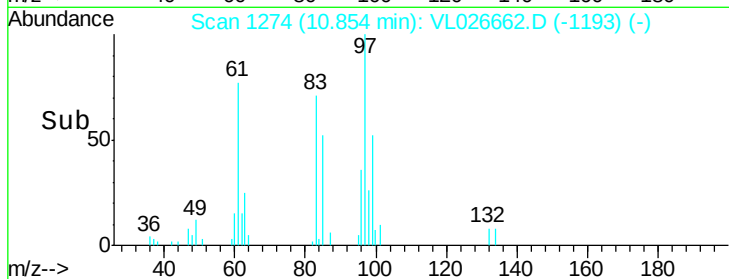
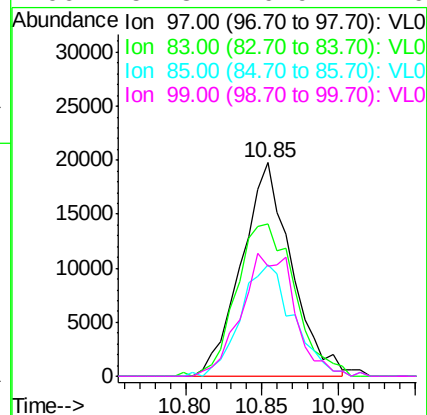
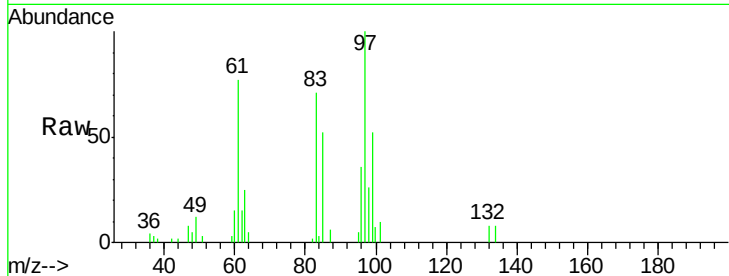
#47
 1,1,2-Trichloroethane
 Concen: 0.42 ppbv
 RT: 10.85 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	71.4	69.5	104.3	
85	50.2	46.4	69.6	
99	51.8	49.9	74.9	

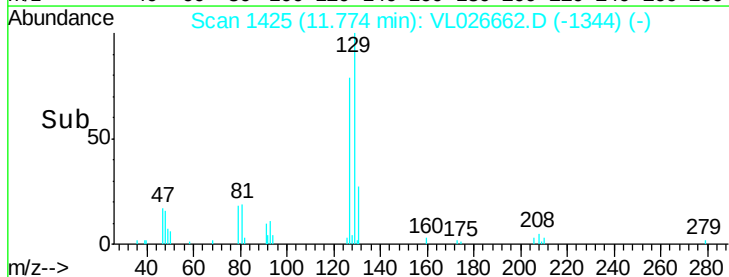
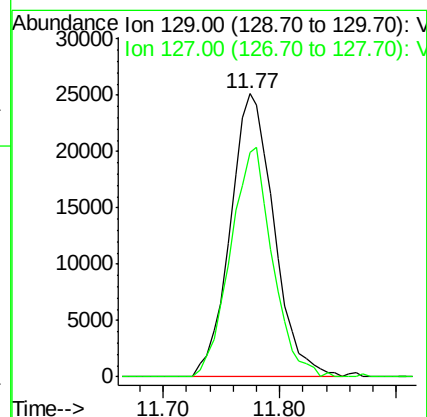
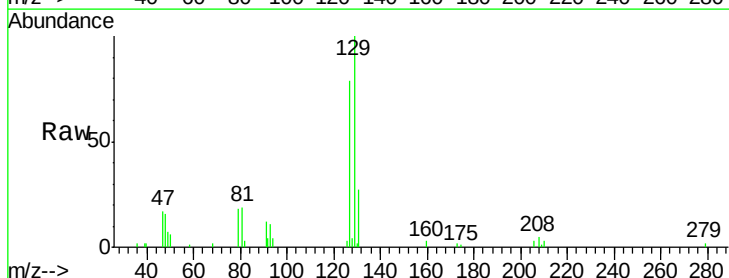
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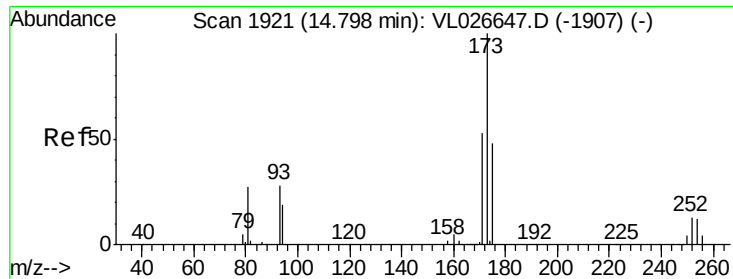
MMdadoda
 1/14/2016 10:51:19 AM



#48
 Dibromochloromethane
 Concen: 0.40 ppbv
 RT: 11.77 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.5	118.5	





#49

Bromoform

Concen: 0.40 ppbv

RT: 14.79 min Scan# 1920

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

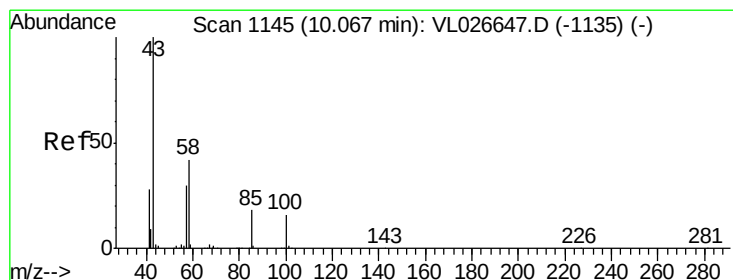
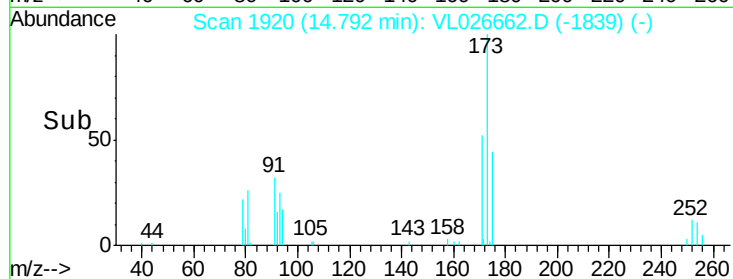
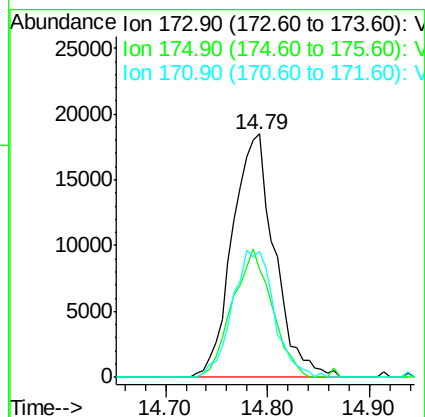
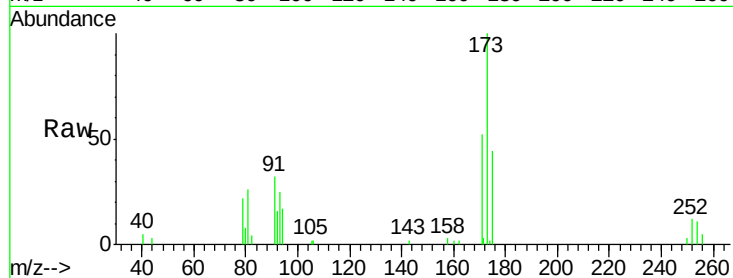
ClientSampled :

MDL-AIR-4

Tot Ion:	173	Resp:	53054
Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.6	58.0
171	51.6	41.5	62.3

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#50

4-Methyl-2-Pentanone

Concen: 0.28 ppbv

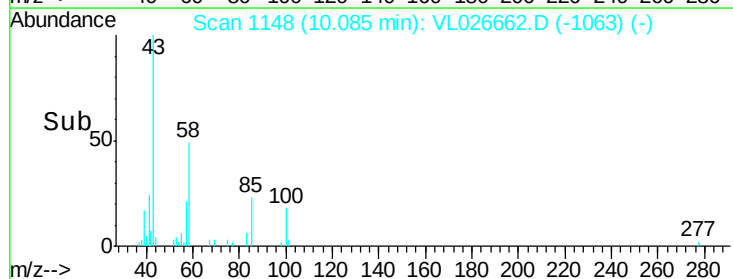
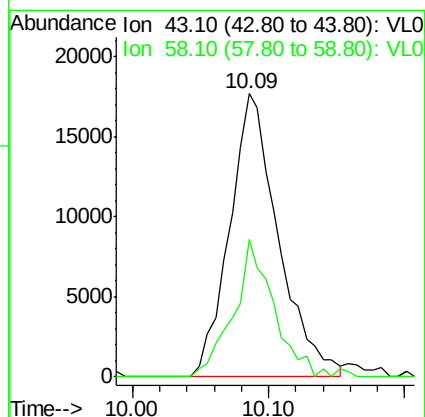
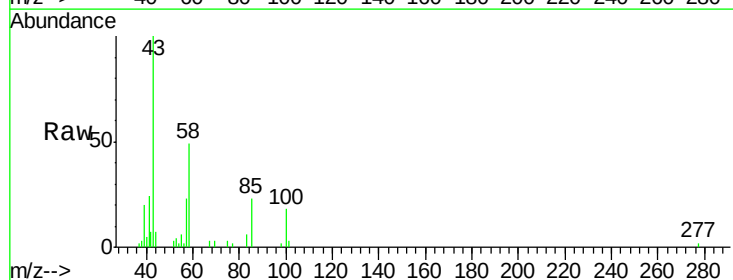
RT: 10.09 min Scan# 1148

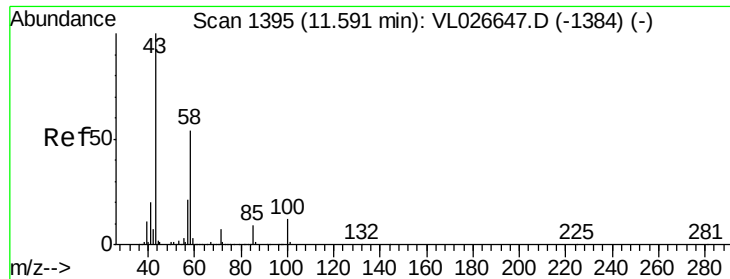
Delta R.T. 0.02 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:	43	Resp:	44194
Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.4	48.6





#51

2-Hexanone

Concen: 0.27 ppbv

RT: 11.62 min Scan# 1400

Delta R.T. 0.03 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

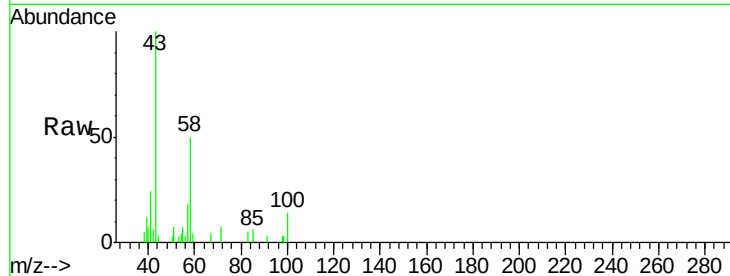
ClientSampleId :

MDL-AIR-4

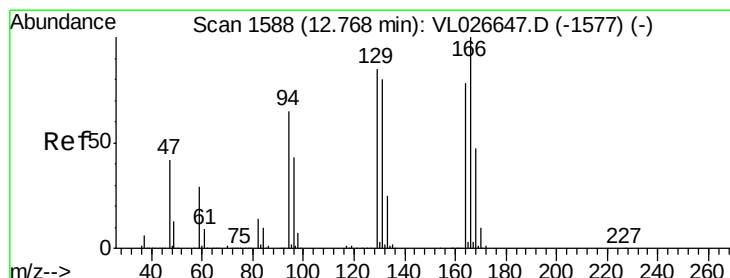
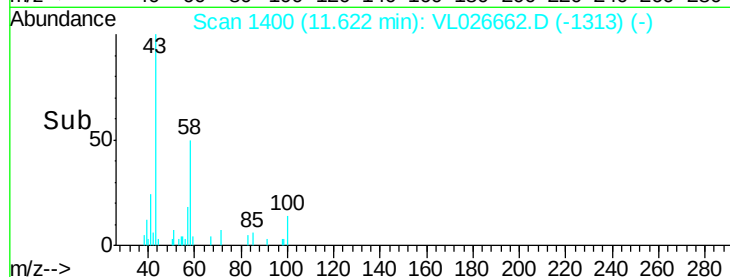
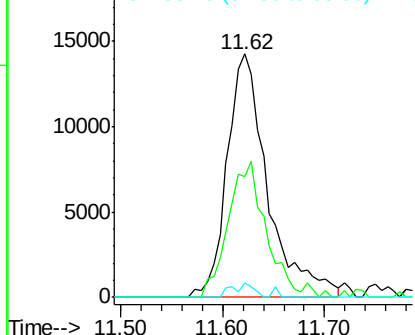
Tot Ion:	43	Resp:	39423
Ion Ratio		Lower	Upper
43	100		
58	53.2	44.9	67.3
98	3.7	0.2	0.2#

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.40 ppbv

RT: 12.77 min Scan# 1588

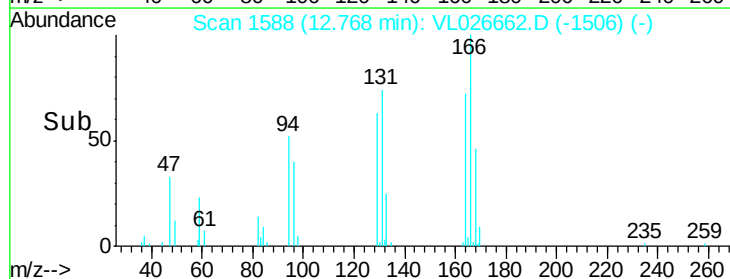
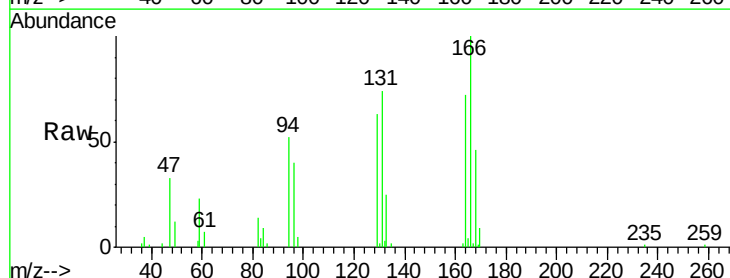
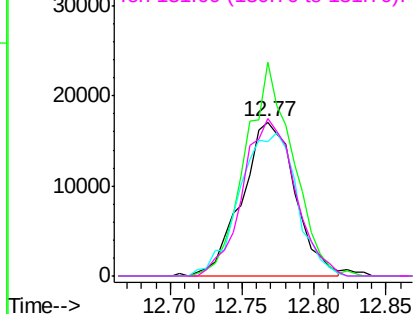
Delta R.T. -0.00 min

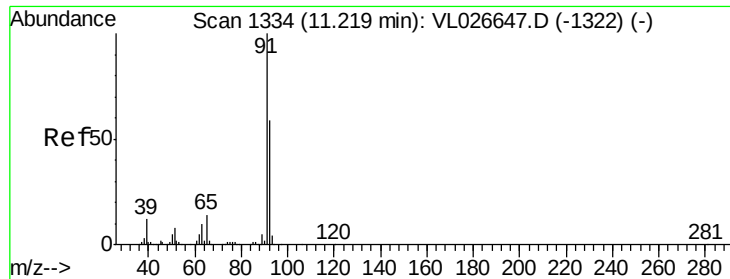
Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:	164	Resp:	43607
Ion Ratio		Lower	Upper
164	100		
166	138.9	102.5	153.7
129	87.5	87.0	130.6
131	102.2	82.5	123.7

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





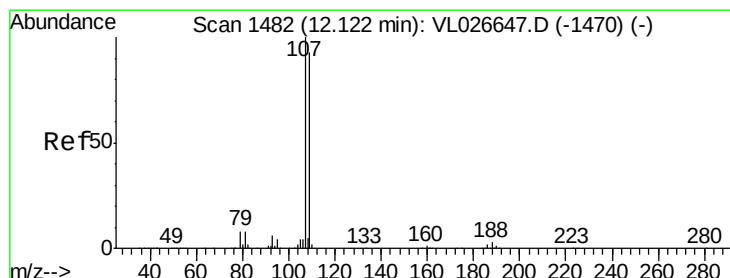
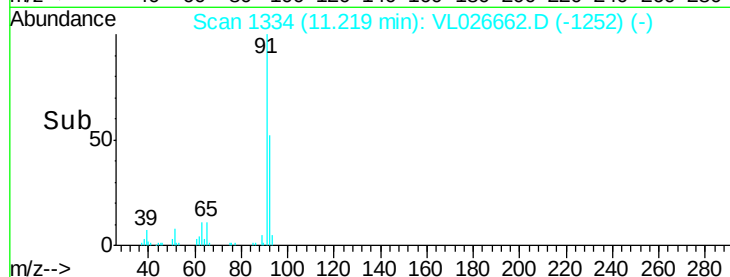
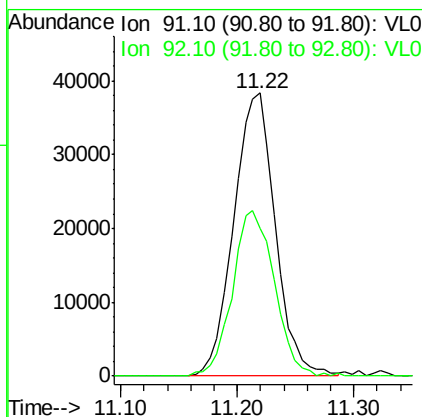
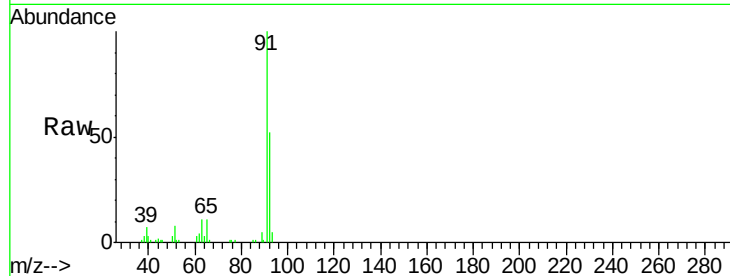
#53
Toluene
Concen: 0.31 ppbv
RT: 11.22 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion	Ion	Ratio	Lower	Upper
91	91	100		
92	92	58.9	48.2	72.4

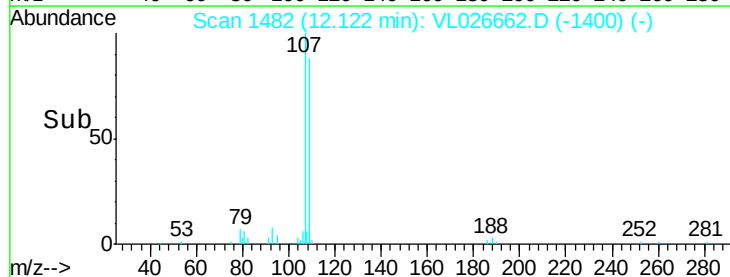
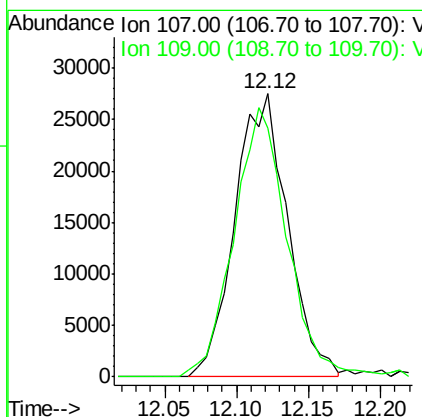
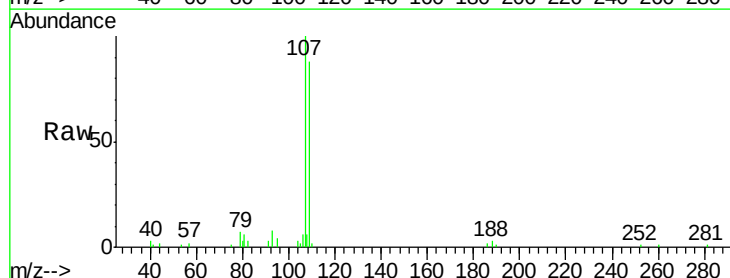
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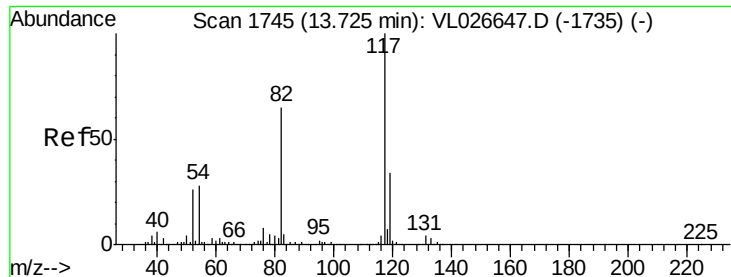
MMdadoda
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#54
1,2-Dibromoethane
Concen: 0.41 ppbv
RT: 12.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ion	Ratio	Lower	Upper
107	107	100		
109	109	85.6	74.1	111.1





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.72 min Scan# 1744

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

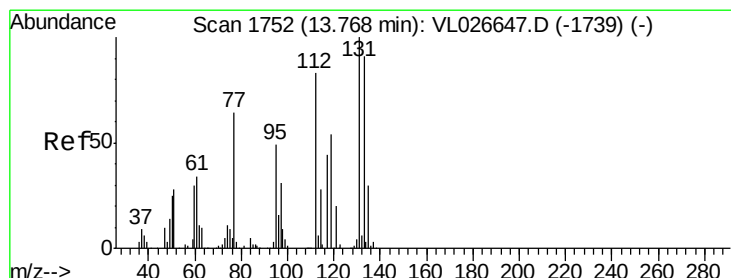
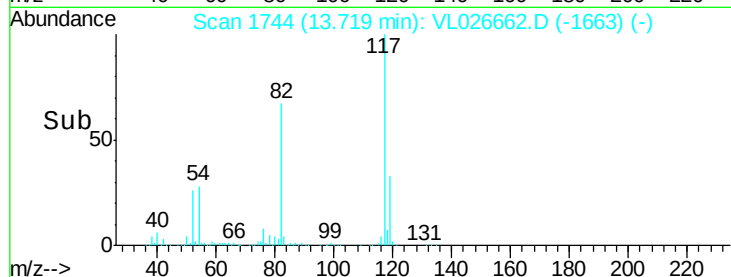
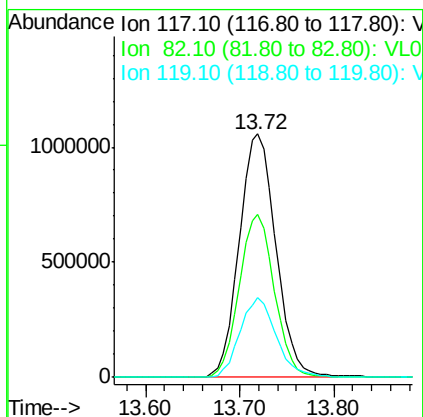
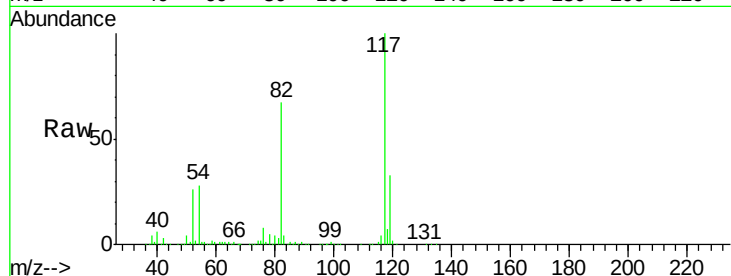
MDL-AIR-4

Tot Ion:117 Resp: 2882130

Ion	Ratio	Lower	Upper
117	100		
82	65.0	49.7	74.5
119	32.7	43.8	65.8#

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#56

1,1,1,2-Tetrachloroethane

Concen: 0.44 ppbv

RT: 13.76 min Scan# 1751

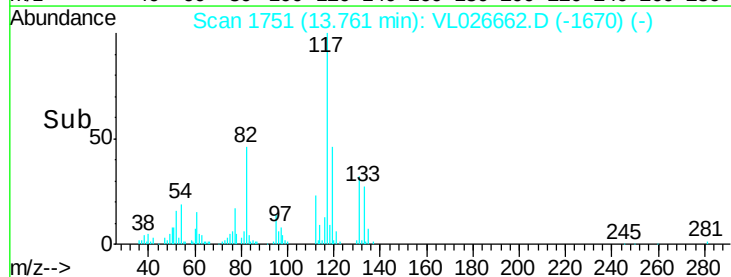
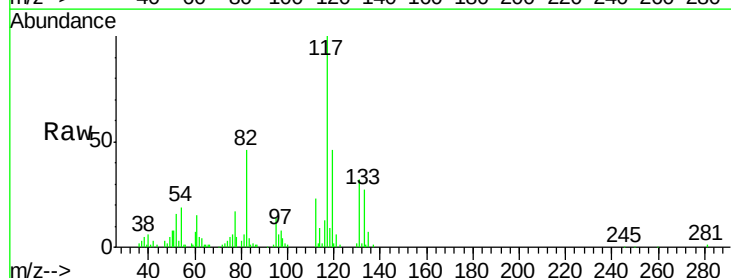
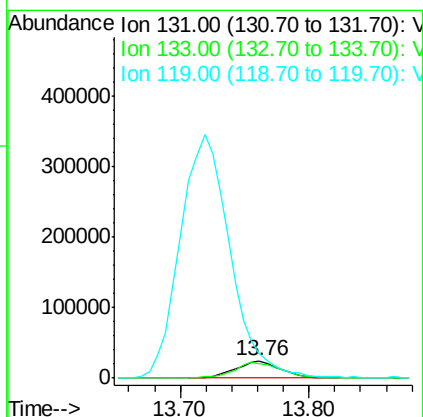
Delta R.T. -0.01 min

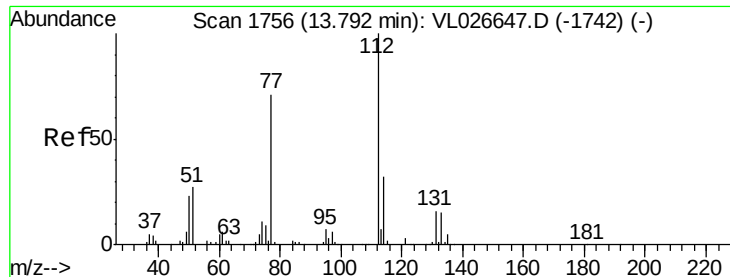
Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:131 Resp: 58229

Ion	Ratio	Lower	Upper
131	100		
133	95.9	76.2	114.4
119	1617.0	104.3	156.5#





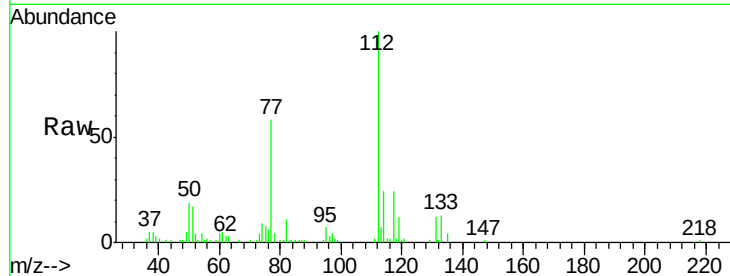
#57
Chlorobenzene
Concen: 0.48 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

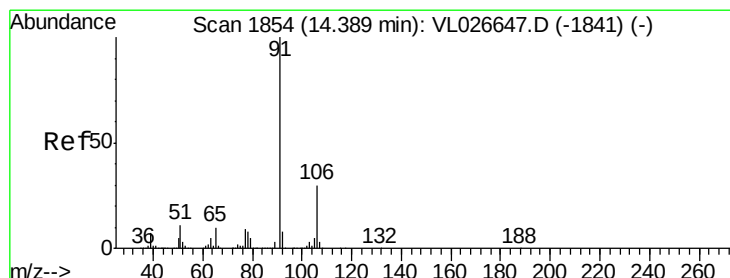
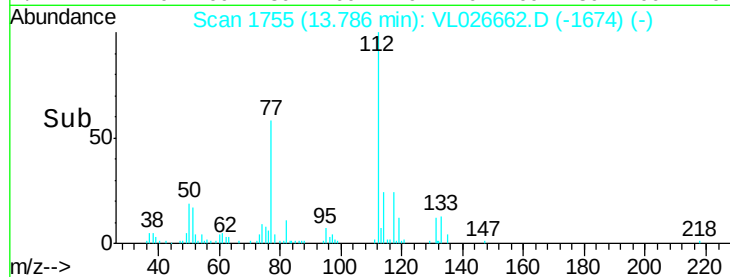
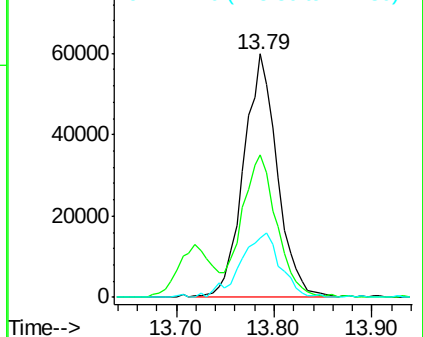
Tot Ion	Ratio	Lower	Upper
112	100		
77	58.3	56.9	85.3
114	24.3	28.8	35.2#

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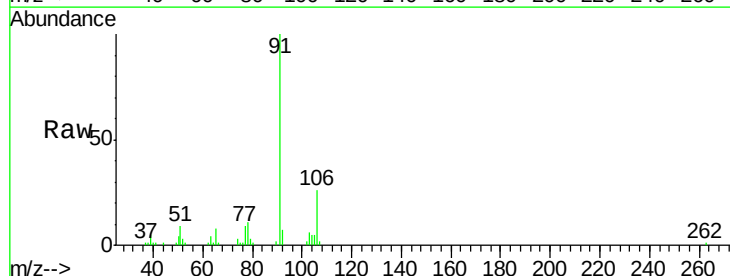


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

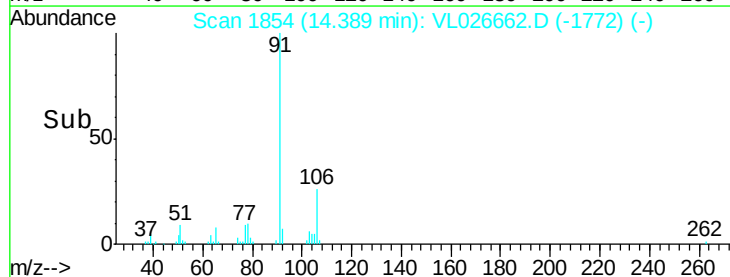
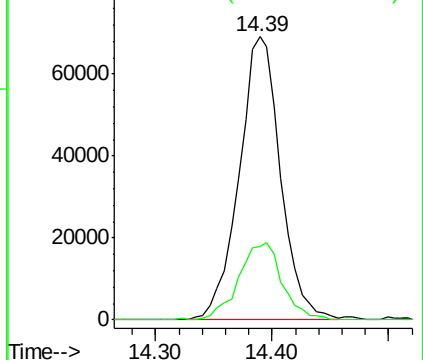


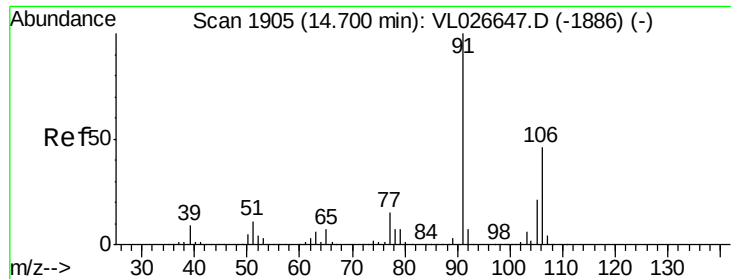
#58
Ethyl Benzene
Concen: 0.33 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	26.1	23.8	35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





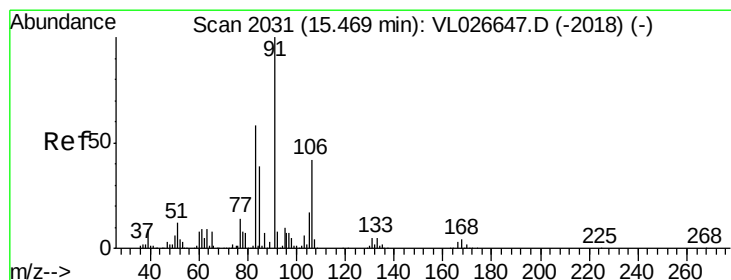
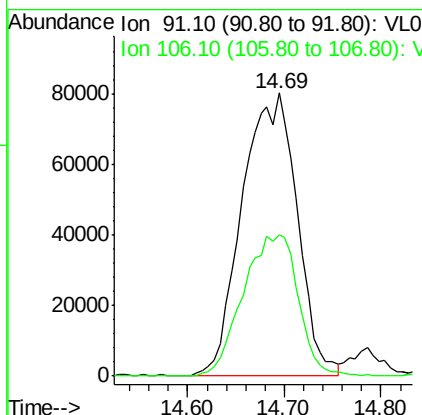
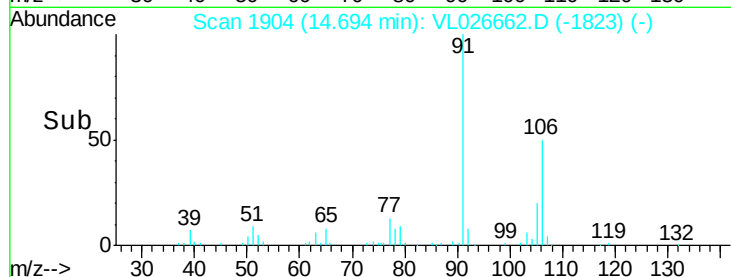
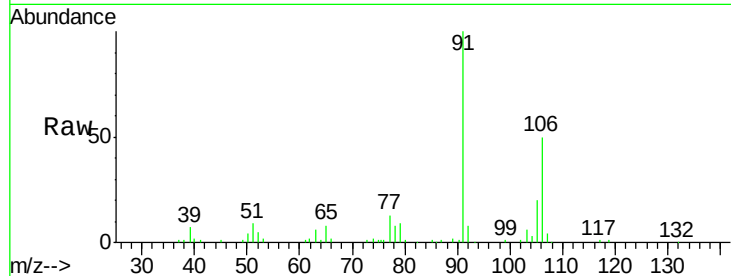
#59
m/p-Xylene
Concen: 0.75 ppbv m
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion: 91 Resp: 316238
Ion Ratio Lower Upper
91 100
106 50.3 36.6 55.0

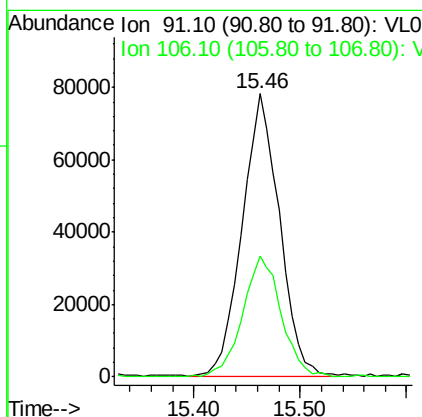
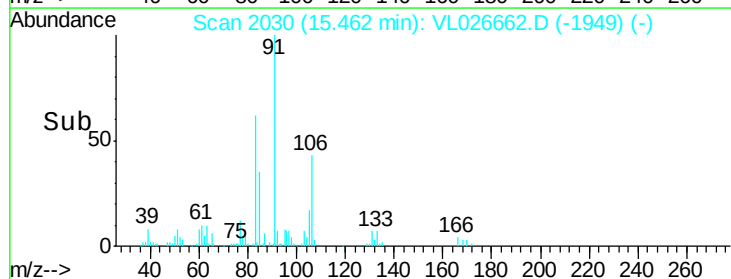
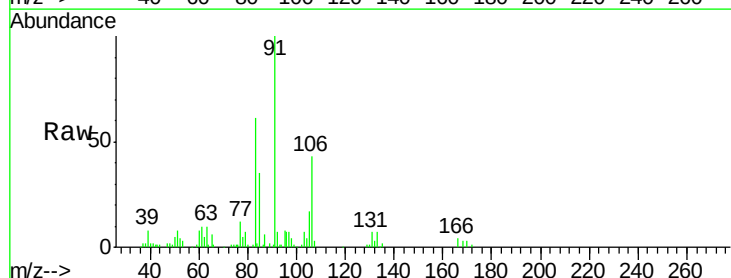
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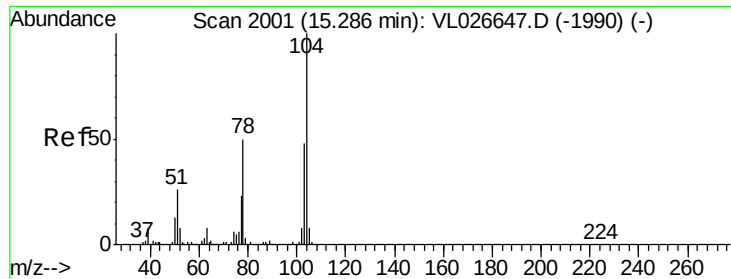
MMdadoda
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#60
o-Xylene
Concen: 0.42 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion: 91 Resp: 193738
Ion Ratio Lower Upper
91 100
106 43.8 21.5 64.5





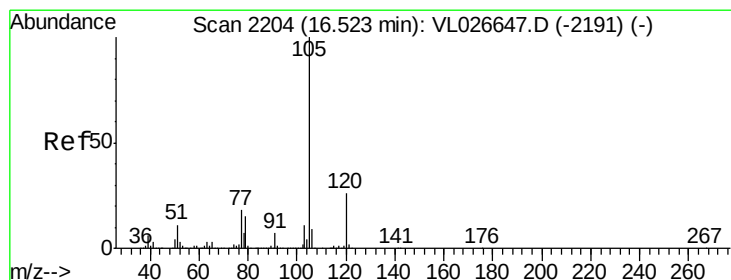
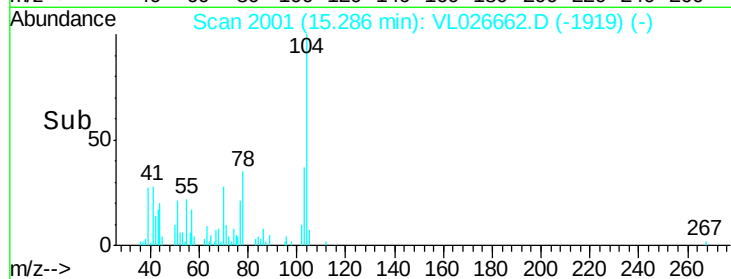
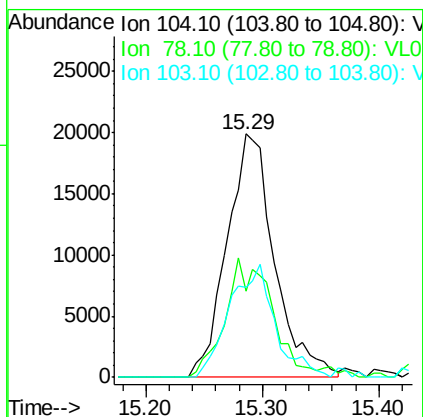
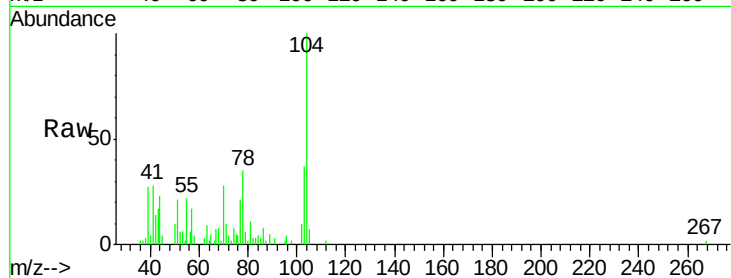
#61
Stvrene
Concen: 0.31 ppbv
RT: 15.29 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.6	59.4
103	45.6	37.8	56.6

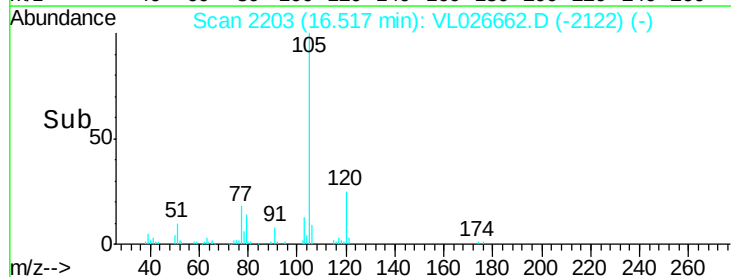
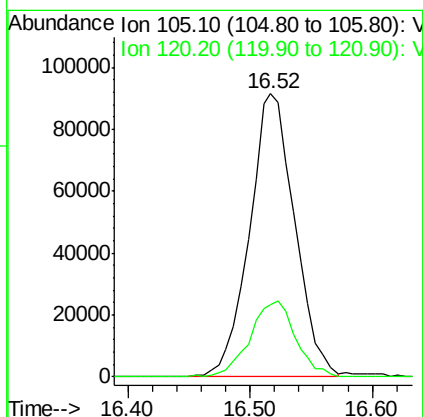
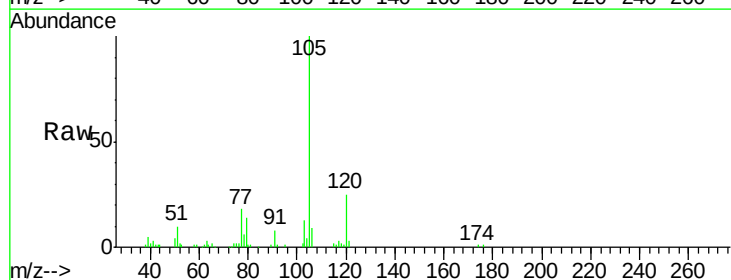
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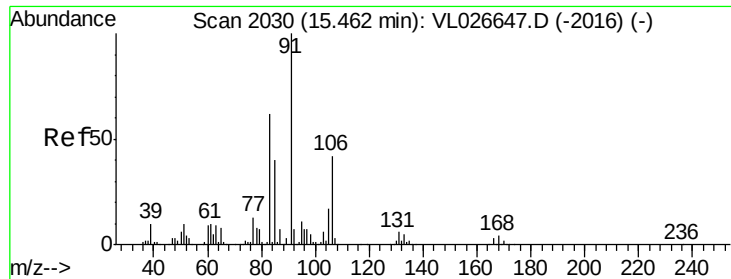
MMdadoda
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#62
Isopropylbenzene
Concen: 0.39 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026662.D
Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.43 ppbv

RT: 15.45 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion: 83 Resp: 148290

Ion Ratio Lower Upper

83 100

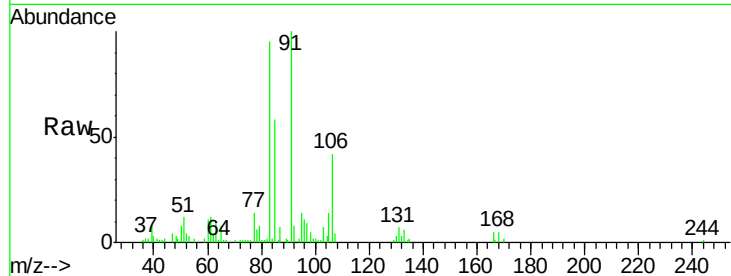
131 8.4 4.5 13.4

85 64.1 32.6 97.7

Manual Integrations
APPROVED

MMdadoda

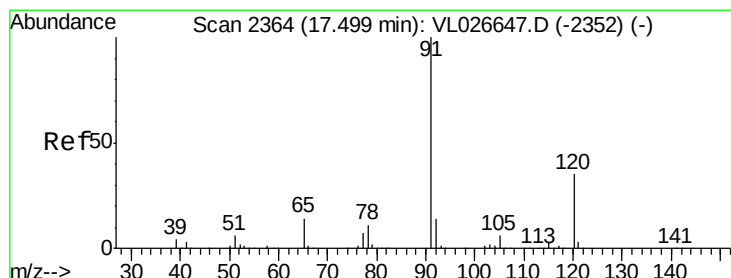
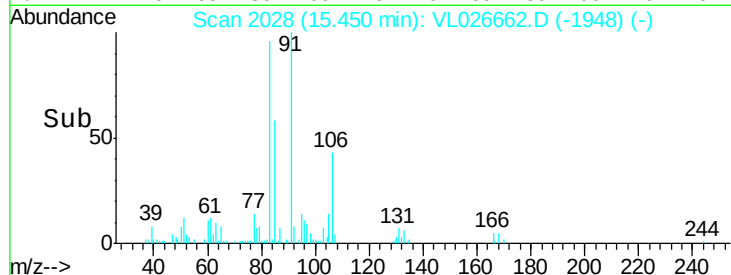
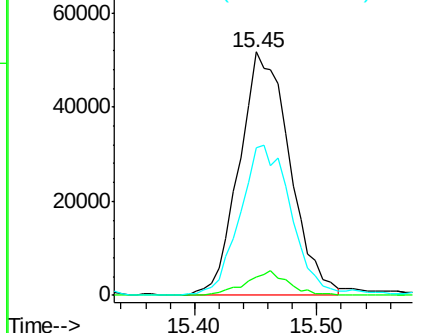
1/14/2016 10:51:19 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.38 ppbv

RT: 17.49 min Scan# 2363

Delta R.T. -0.01 min

Lab File: VL026662.D

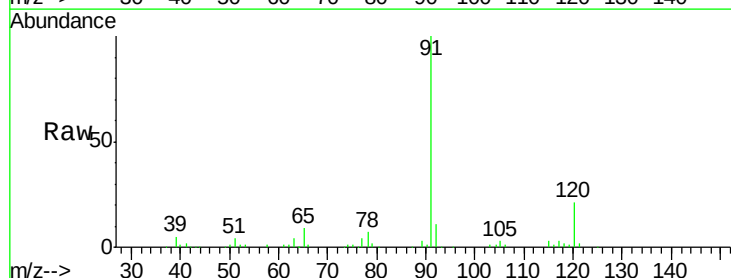
Acq: 9 Jan 2016 5:47

Tgt Ion:120 Resp: 62575

Ion Ratio Lower Upper

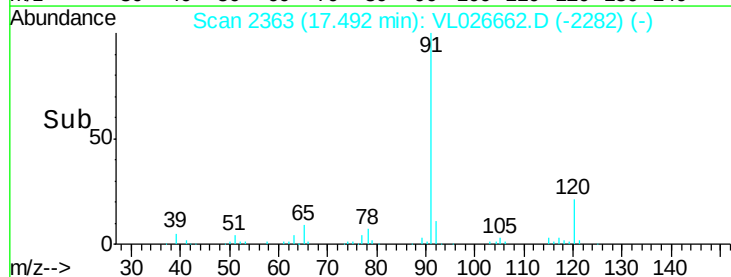
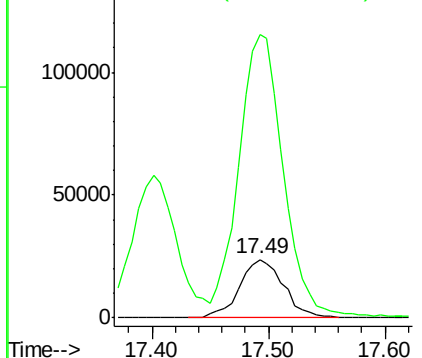
120 100

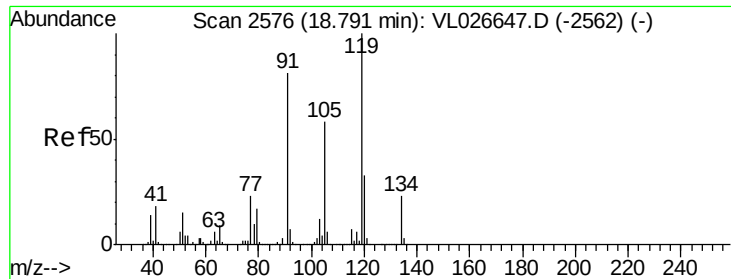
91 497.7 375.8 563.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





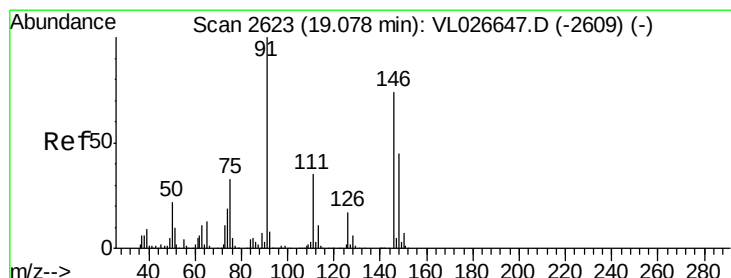
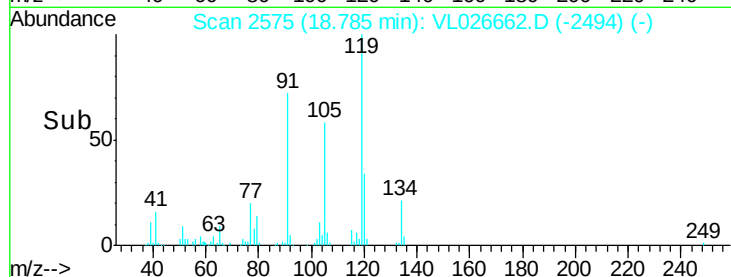
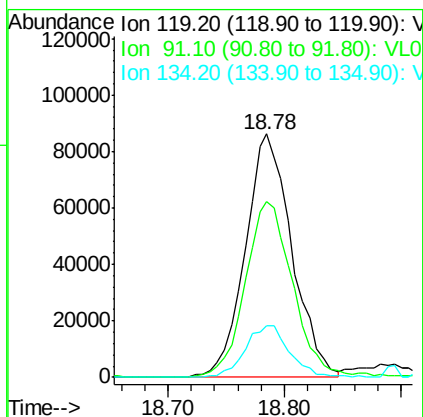
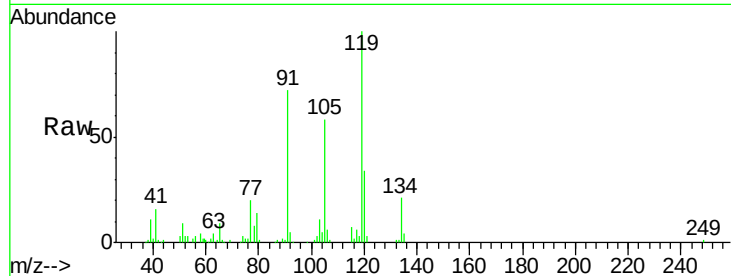
#65
 tert-Butylbenzene
 Concen: 0.43 ppbv
 RT: 18.78 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-4

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239642		
91	74.8		64.8	97.2
134	20.4		17.4	26.0

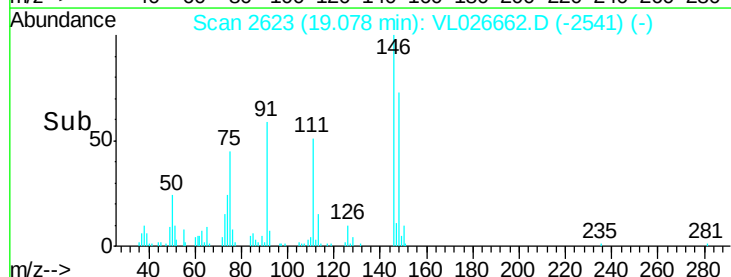
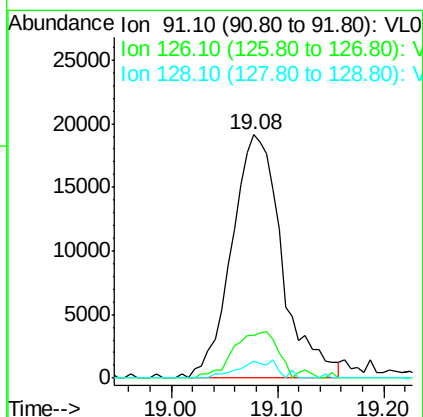
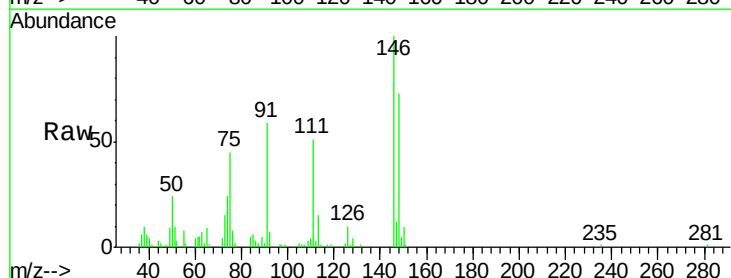
Manual Integrations
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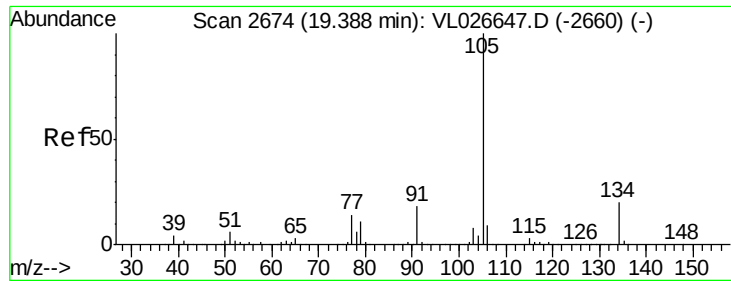
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#66
 Benzyl Chloride
 Concen: 0.32 ppbv
 RT: 19.08 min Scan# 2623
 Delta R.T. -0.00 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	63272		
126	18.1		14.2	21.2
128	5.5		4.5	6.7





#67

sec-Butylbenzene

Concen: 0.40 ppbv

RT: 19.38 min Scan# 2673

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-4

Tot Ion: 105 Resp: 326455

Ion Ratio Lower Upper

105 100

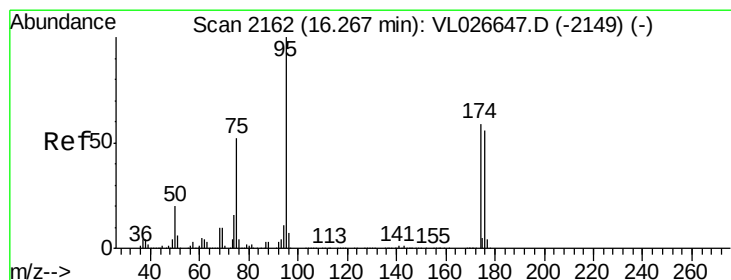
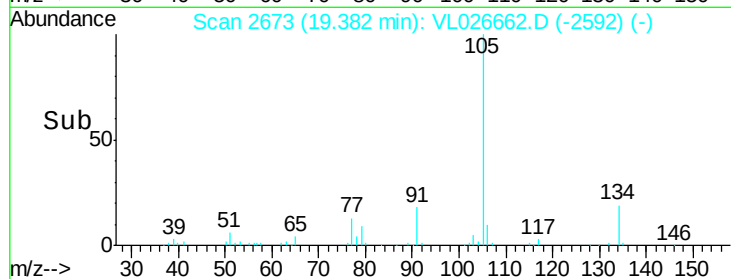
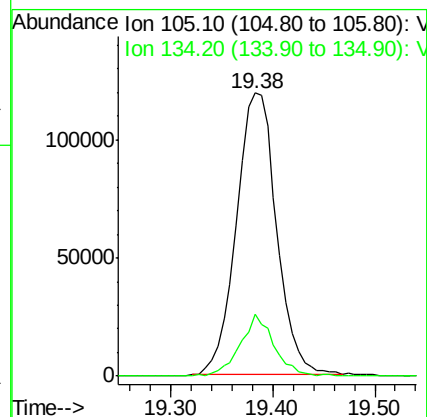
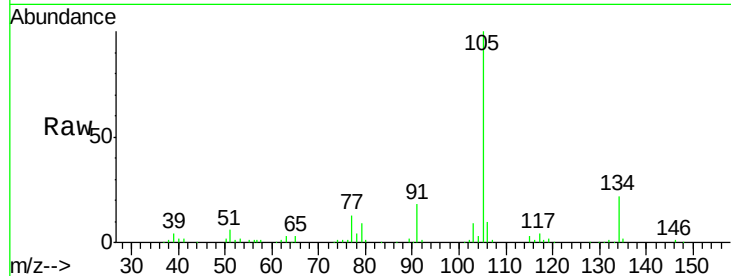
134 18.5 14.9 22.3

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.43 ppbv

RT: 16.26 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

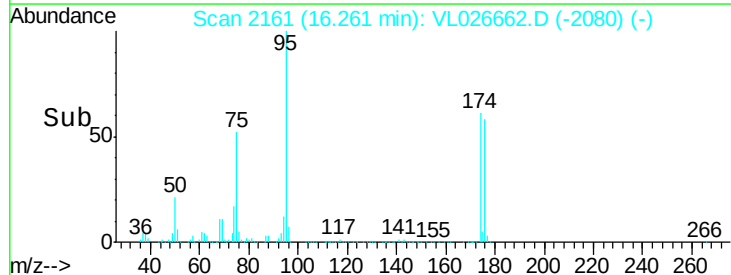
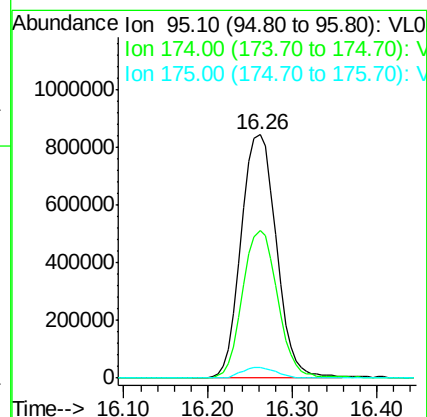
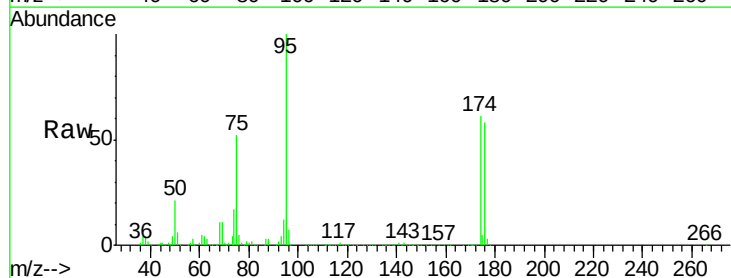
Tgt Ion: 95 Resp: 2396735

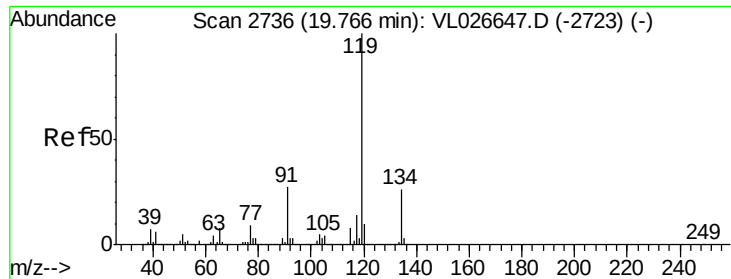
Ion Ratio Lower Upper

95 100

174 61.0 47.8 71.8

175 4.4 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.36 ppbv

RT: 19.76 min Scan# 2735

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

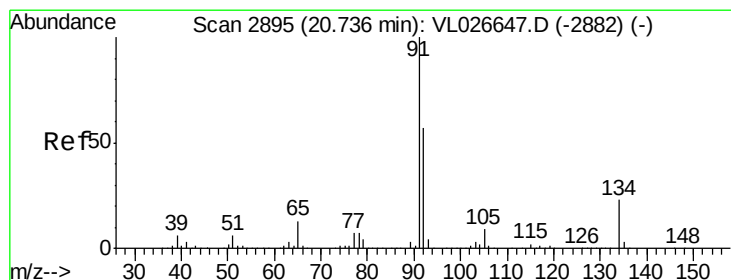
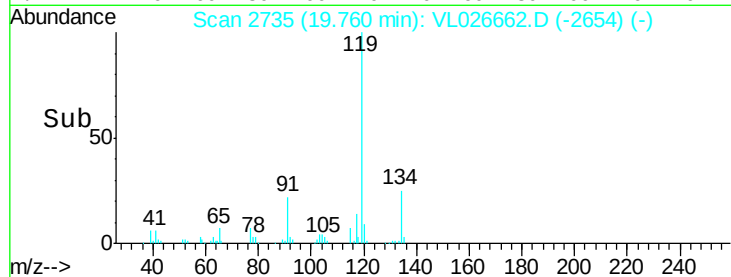
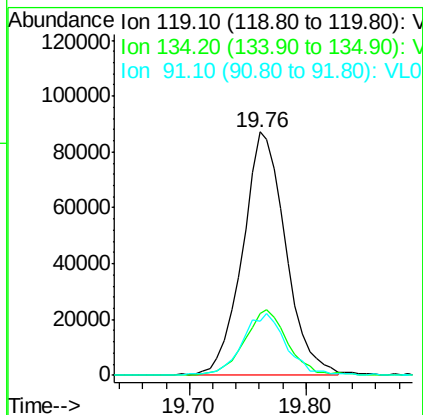
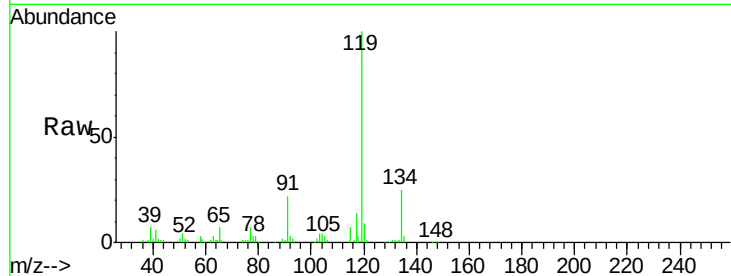
ClientSampled :

MDL-AIR-4

Tot Ion:	119	Resp:	224622
Ion Ratio		Lower	Upper
119	100		
134	26.9	20.6	31.0
91	26.2	21.7	32.5

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#70

n-Butylbenzene

Concen: 0.34 ppbv

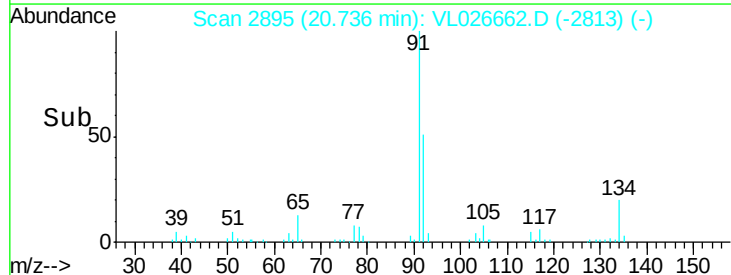
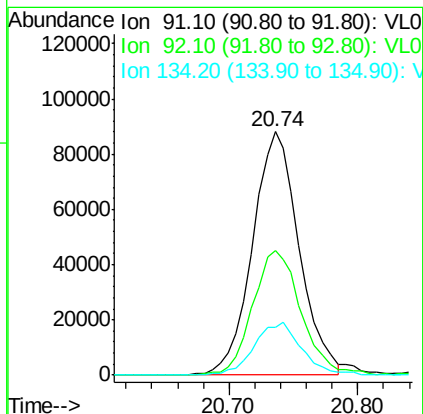
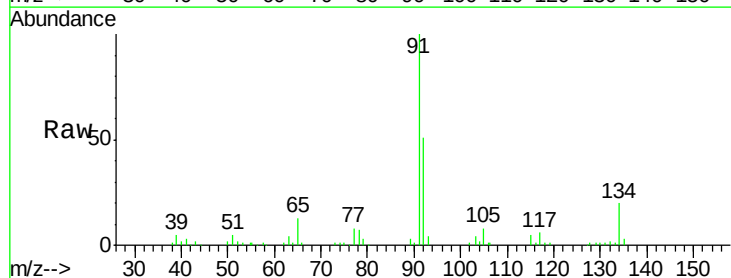
RT: 20.74 min Scan# 2895

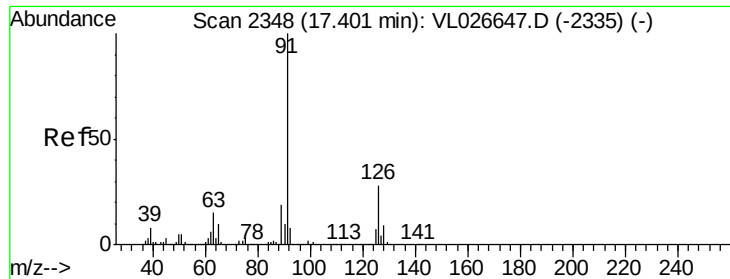
Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:	91	Resp:	220603
Ion Ratio		Lower	Upper
91	100		
92	53.8	45.0	67.4
134	22.0	18.2	27.2





#71

2-Chlorotoluene

Concen: 0.33 ppbv

RT: 17.40 min Scan# 2348

Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-4

Tot Ion: 91 Resp: 156092

Ion Ratio Lower Upper

91 100

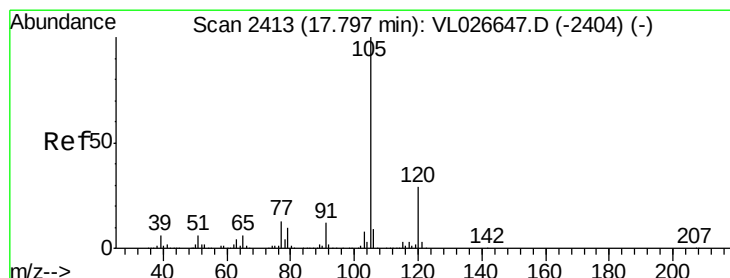
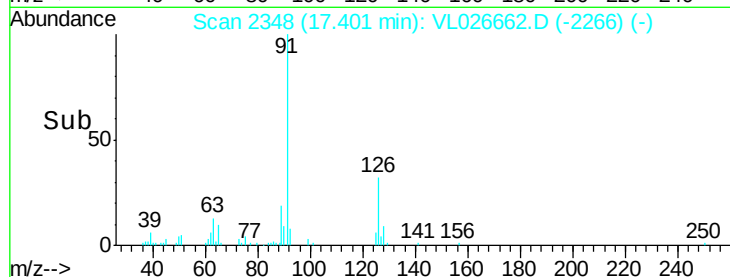
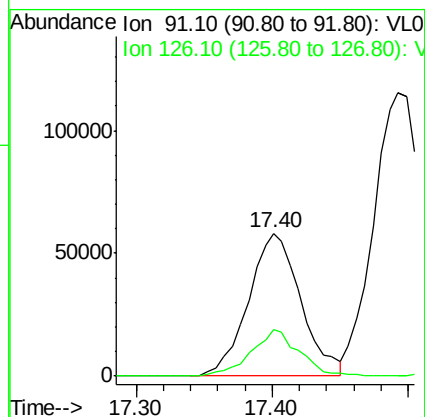
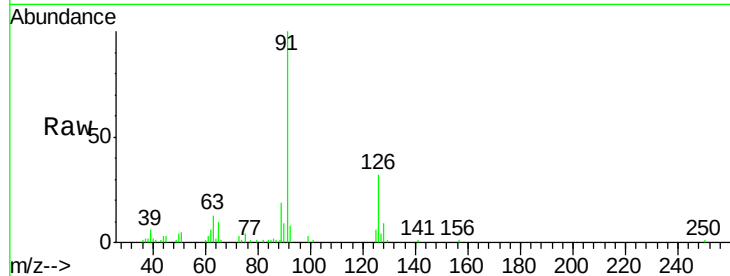
126 30.5 11.4 45.8

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#72

4-Ethyltoluene

Concen: 0.35 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion: 105 Resp: 181016

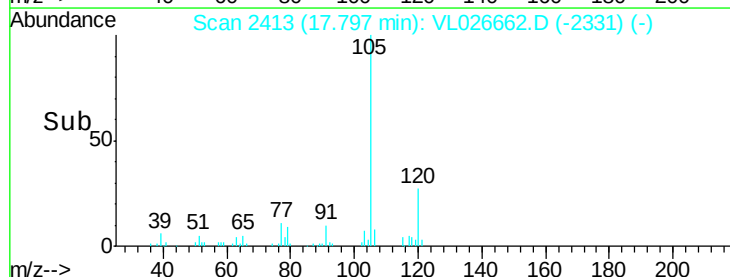
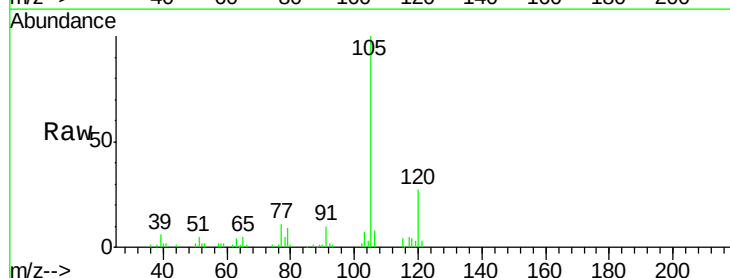
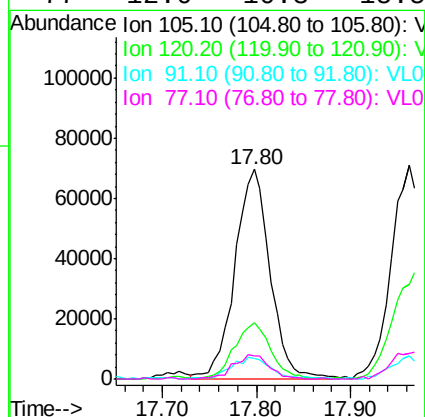
Ion Ratio Lower Upper

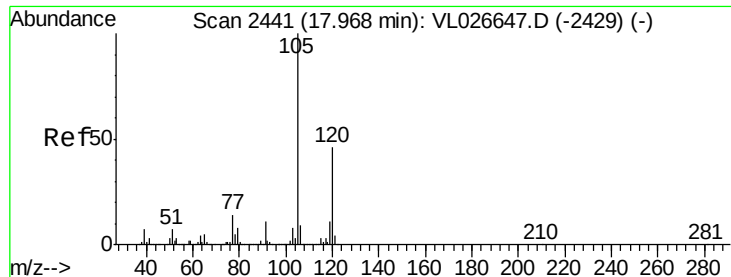
105 100

120 28.3 23.7 35.5

91 12.6 9.7 14.5

77 12.0 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 0.38 ppbv

RT: 17.96 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-4

Tot Ion:105 Resp: 184565

Ion Ratio Lower Upper

105 100

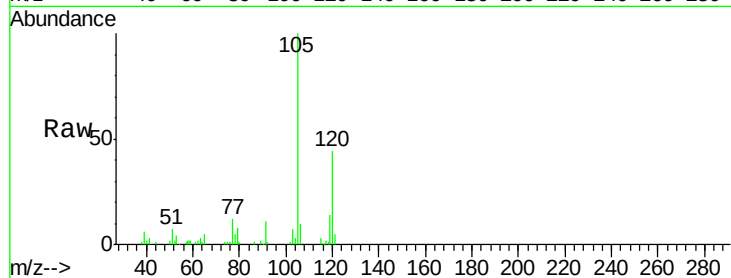
120 44.4 36.6 54.8

Manual Integrations

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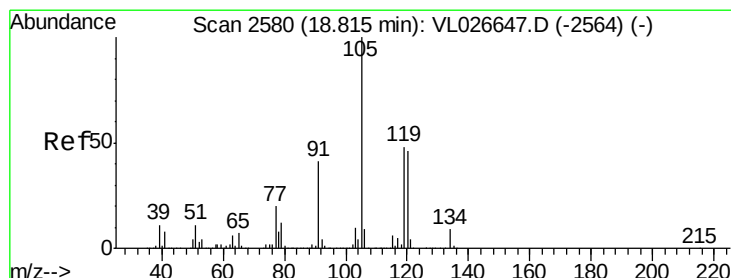
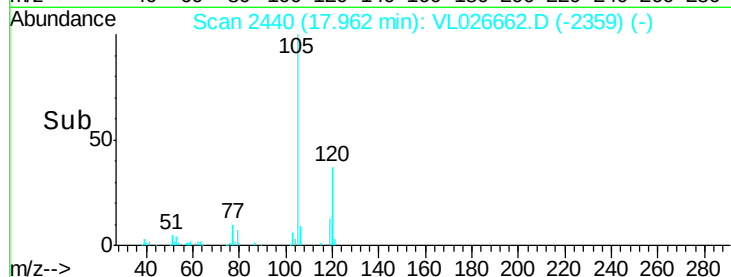
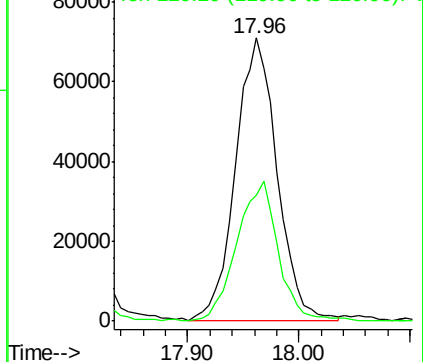
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.43 ppbv

RT: 18.80 min Scan# 2578

Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:105 Resp: 222674

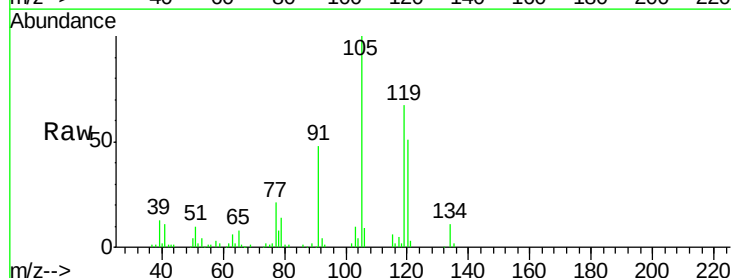
Ion Ratio Lower Upper

105 100

120 50.8 36.6 55.0

91 46.2 32.5 48.7

77 20.0 15.7 23.5

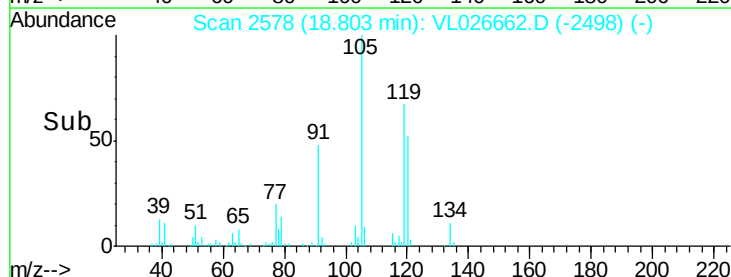
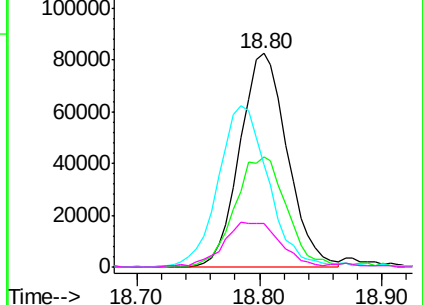


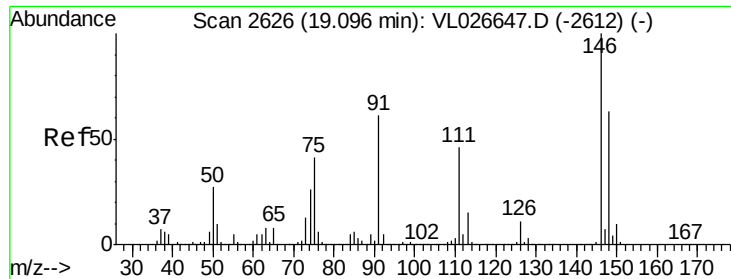
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





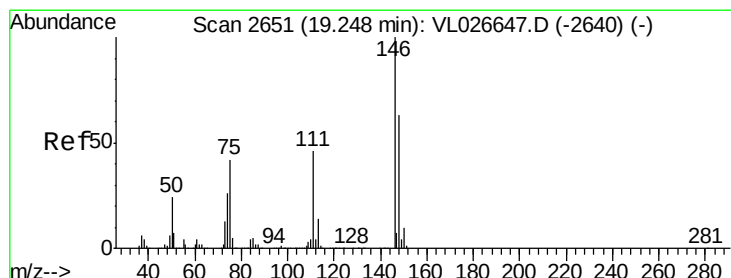
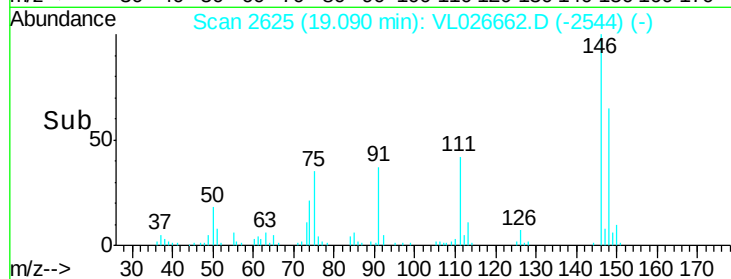
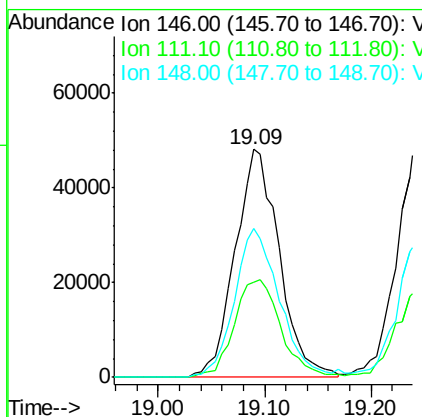
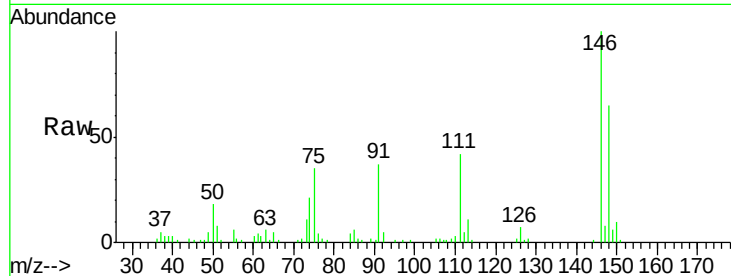
#75
 1,3-Dichlorobenzene
 Concen: 0.44 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.9	68.5
148	66.7	31.6	95.0

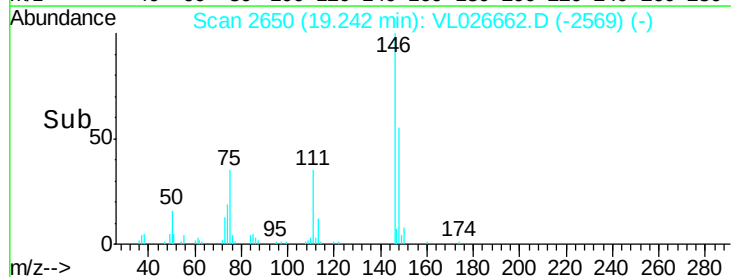
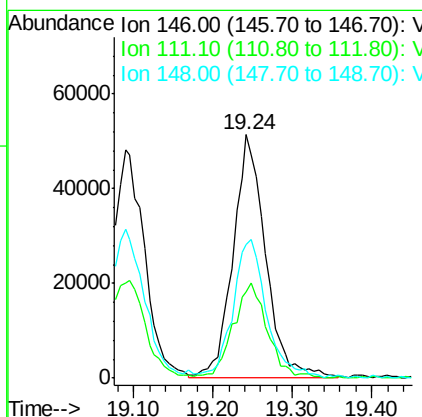
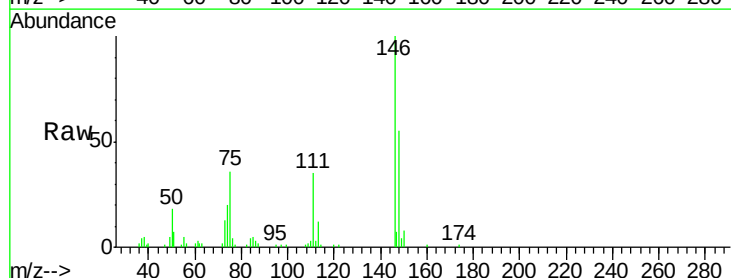
Manual Integrations
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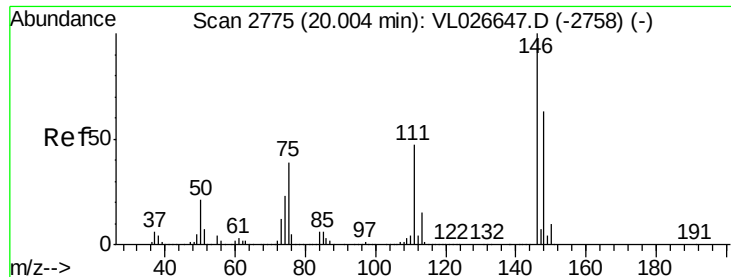
MMdadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.45 ppbv m
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	22.3	66.8
148	57.9	31.9	95.9





#77

1,2-Dichlorobenzene

Concen: 0.44 ppbv m

RT: 20.00 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

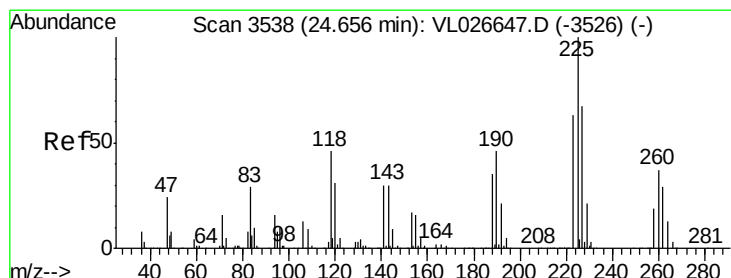
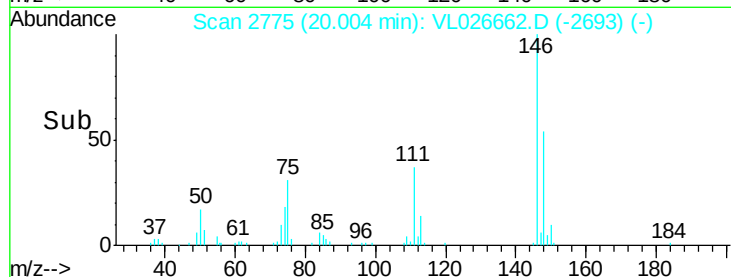
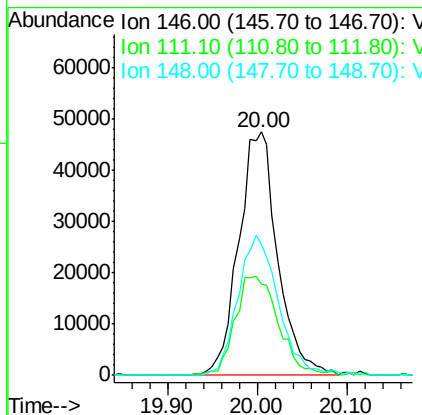
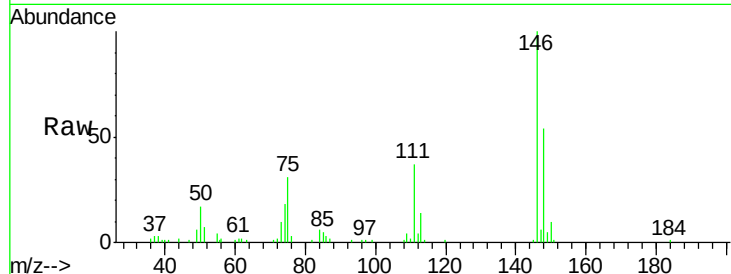
ClientSampleId :

MDL-AIR-4

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.7	71.1#
148	0.0	31.1	93.5#

Manual Integrations
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#78

Hexachloro-1,3-Butadiene

Concen: 0.40 ppbv m

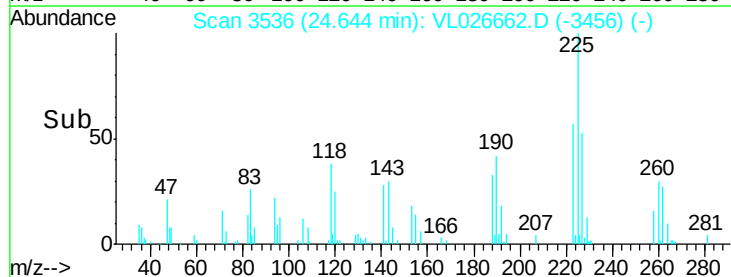
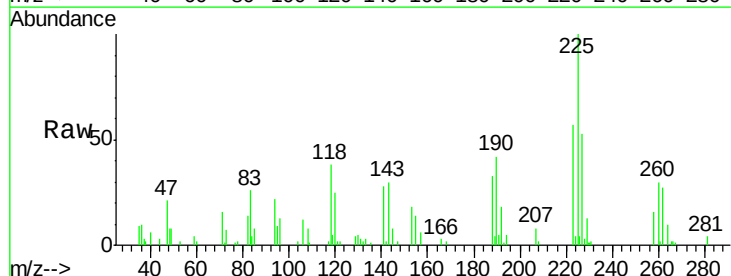
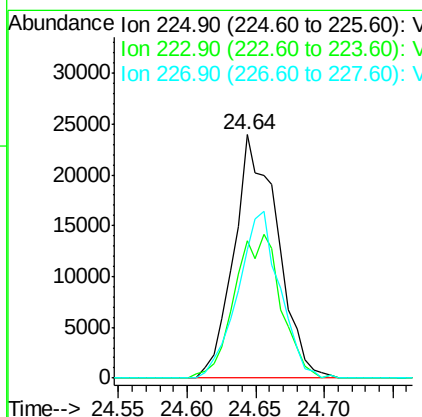
RT: 24.64 min Scan# 3536

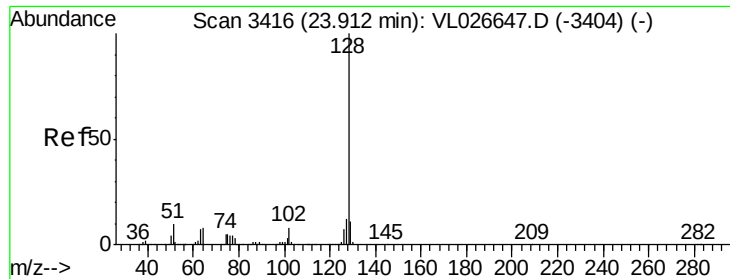
Delta R.T. -0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.1	75.1
227	65.8	51.1	76.7





#79

Naphthalene

Concen: 0.25 ppbv

RT: 23.92 min Scan# 3418

Delta R.T. 0.01 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Instrument :

MSVOA_L

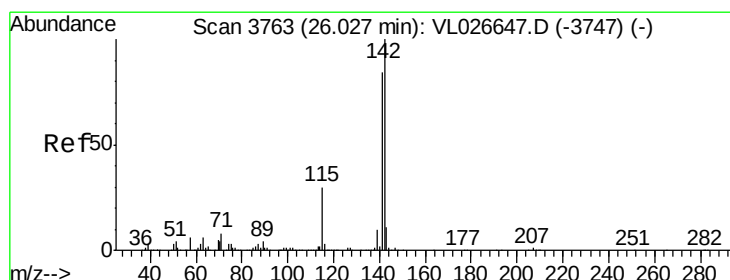
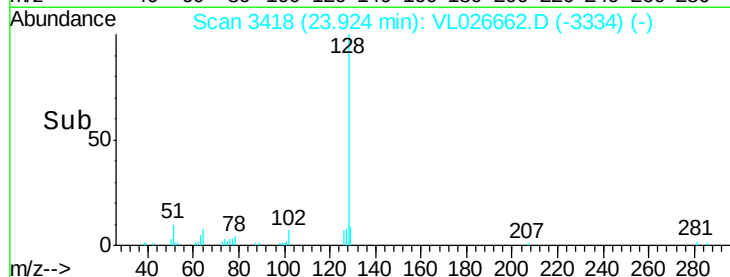
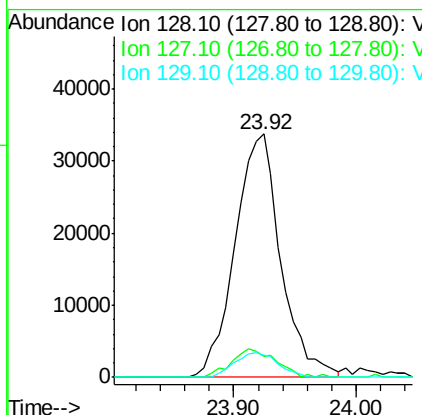
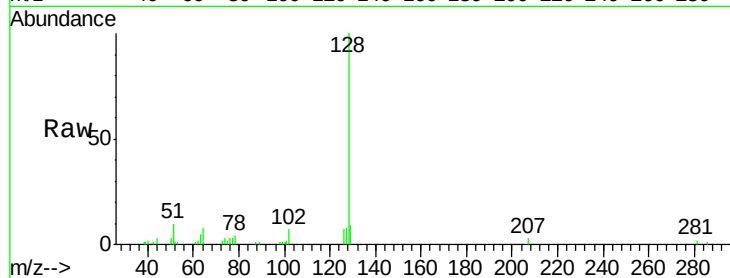
ClientSampleId :

MDL-AIR-4

Tot Ion:	128	Resp:	87621
Ion Ratio	Lower	Upper	
128	100		
127	8.5	9.8	14.8#
129	8.9	8.9	13.3

Manual Integrations
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MMdadoda
1/14/2016 10:51:19 AM



#80

Naphthalene, 2-methyl-

Concen: 0.32 ppbv

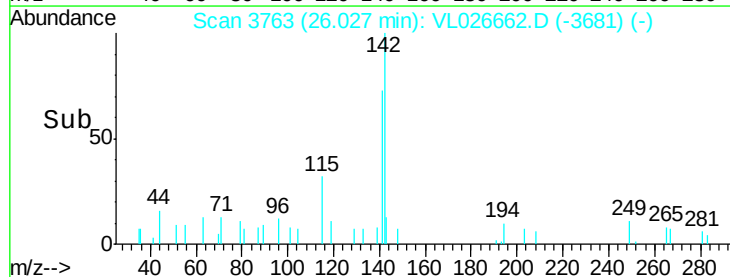
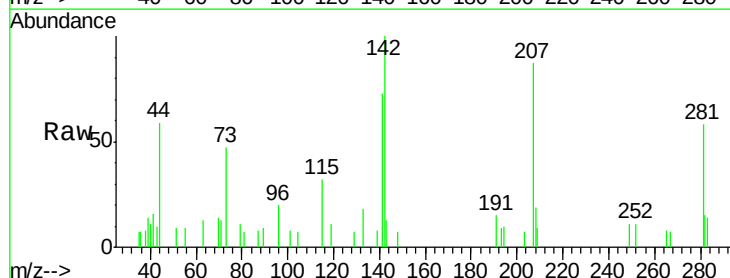
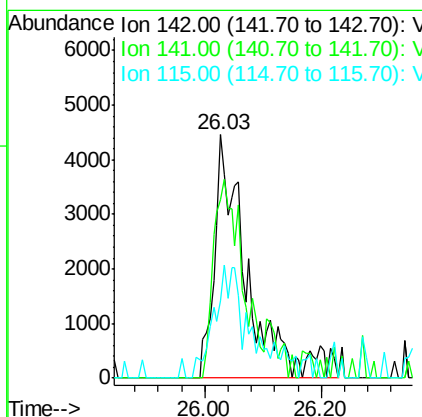
RT: 26.03 min Scan# 3763

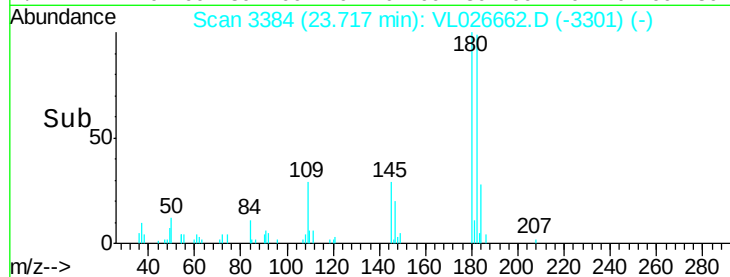
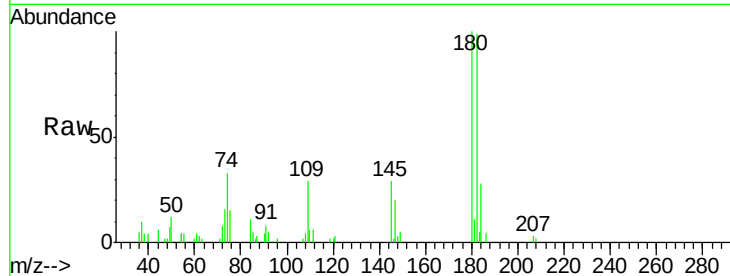
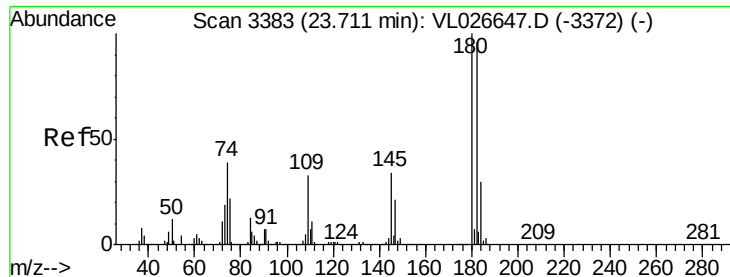
Delta R.T. -0.00 min

Lab File: VL026662.D

Acq: 9 Jan 2016 5:47

Tgt Ion:	142	Resp:	17252
Ion Ratio	Lower	Upper	
142	100		
141	88.8	67.0	100.6
115	58.1	24.7	37.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.32 ppbv
 RT: 23.72 min Scan# 3384
 Delta R.T. 0.01 min
 Lab File: VL026662.D
 Acq: 9 Jan 2016 5:47

Tot Ion:	180	Resp:	50353
Ion Ratio	Lower	Upper	
180	100		
182	96.1	75.4	113.0
184	30.6	24.1	36.1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-4

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:19 AM

