

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026665.D
 Acq On : 9 Jan 2016 7:40
 Operator : SY/AP
 Sample : H1002-21
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:22 AM

Quant Time: Jan 12 05:07:07 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	634181	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2037734	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.72	117	2806469	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2325779	10.40	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	91847	0.54	ppbv	99
3) Chlorodifluoromethane	3.56	51	41593	0.49	ppbv	99
4) Chloromethane	3.74	50	16542	0.40	ppbv	96
5) Vinyl Chloride	3.88	62	19040m	0.38	ppbv	
6) Bromomethane	4.13	94	16238	0.46	ppbv	85
7) Chloroethane	4.23	64	9314	0.46	ppbv	100
8) Dichlorotetrafluoroethane	3.79	85	66348	0.50	ppbv	99
9) Propene	3.59	41	9601m	0.32	ppbv	
10) Heptane	9.32	43	39068	0.35	ppbv	85
11) Trichlorofluoromethane	4.68	101	95033	0.54	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	53546	0.50	ppbv	98
13) Ethanol	4.34	45	2665m	0.46	ppbv	
14) Bromoethene	4.44	108	16222	0.42	ppbv #	90
15) Acetone	4.62	43	63321	0.61	ppbv #	63
16) 1,3-Butadiene	3.96	39	17386	0.42	ppbv	93
17) tert-Butyl alcohol	5.15	59	31739m	0.40	ppbv	
18) 1,1-Dichloroethene	5.07	96	19643	0.44	ppbv	93
19) Isopropyl Alcohol	4.78	45	16294	0.38	ppbv #	96
20) Methylene Chloride	5.14	84	23605	0.55	ppbv	94
21) Allyl Chloride	5.21	41	26249	0.41	ppbv #	76
22) trans-1,2-Dichloroethene	5.75	96	22360	0.44	ppbv #	78
23) Vinyl Acetate	5.97	43	55496	0.35	ppbv #	95
24) 1,1-Dichloroethane	5.89	63	47860	0.41	ppbv	98
25) Ethyl Acetate	6.67	43	46377	0.29	ppbv #	87
26) Hexane	6.64	57	30029	0.36	ppbv	95
27) Carbon Disulfide	5.37	76	55103	0.45	ppbv #	79
28) Methyl tert-Butyl Ether	5.96	73	59518	0.36	ppbv	100
29) Chloroform	6.72	83	74924	0.50	ppbv	93
30) Cyclohexane	8.27	84	33849m	0.41	ppbv	
31) cis-1,2-Dichloroethene	6.50	61	29592	0.35	ppbv	96
32) 1,1,1-Trichloroethane	7.57	97	76292	0.45	ppbv	97
34) 2-Butanone	6.20	43	39604m	0.36	ppbv	
35) Carbon Tetrachloride	8.13	117	73956	0.41	ppbv	99
36) Benzene	8.00	78	65424	0.31	ppbv	94
37) 1,2-Dichloroethane	7.35	62	62816	0.44	ppbv	98
38) Trichloroethene	9.05	130	35650	0.38	ppbv	91
39) 1,2-Dichloropropane	8.80	63	27539	0.38	ppbv #	90
40) 1,4-Dioxane	9.16	88	4374m	0.26	ppbv	
41) Tetrahydrofuran	7.15	42	15011m	0.28	ppbv	
42) Bromodichloromethane	9.00	83	77208	0.42	ppbv	97
43) Methyl Methacrylate	9.24	69	21248	0.28	ppbv	92

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Manual Integrations
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 1/14/2016 10:51:22 AM

Quant Time: Jan 12 05:07:07 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 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	9.06	57	110854	0.33	ppbv	94
45) t-1,3-Dichloropropene	10.63	75	32699	0.26	ppbv	94
46) cis-1,3-Dichloropropene	9.99	75	41647	0.30	ppbv	89
47) 1,1,2-Trichloroethane	10.85	97	42892	0.42	ppbv	95
48) Dibromochloromethane	11.77	129	64885	0.42	ppbv	98
49) Bromoform	14.78	173	51229m	0.40	ppbv	
50) 4-Methyl-2-Pentanone	10.09	43	43138m	0.28	ppbv	
51) 2-Hexanone	11.62	43	31527	0.22	ppbv #	95
52) Tetrachloroethene	12.76	164	41601	0.40	ppbv	96
53) Toluene	11.21	91	88307	0.30	ppbv	99
54) 1,2-Dibromoethane	12.12	107	68388	0.42	ppbv	95
56) 1,1,1,2-Tetrachloroethane	13.76	131	57986	0.45	ppbv #	1
57) Chlorobenzene	13.79	112	135975	0.47	ppbv	90
58) Ethyl Benzene	14.39	91	157754	0.31	ppbv	96
59) m/p-Xylene	14.70	91	308291m	0.75	ppbv	
60) o-Xylene	15.46	91	192004	0.43	ppbv	98
61) Styrene	15.29	104	51123m	0.29	ppbv	
62) Isopropylbenzene	16.52	105	231130	0.39	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.46	83	148773	0.45	ppbv	99
64) n-propylbenzene	17.49	120	61012	0.38	ppbv	86
65) tert-Butylbenzene	18.78	119	227628	0.42	ppbv	96
66) Benzyl Chloride	19.08	91	65462m	0.34	ppbv	
67) sec-Butylbenzene	19.38	105	329132	0.41	ppbv	99
69) p-Isopropyltoluene	19.76	119	225219	0.37	ppbv	99
70) n-Butylbenzene	20.74	91	221909	0.35	ppbv	97
71) 2-Chlorotoluene	17.40	91	152372	0.33	ppbv	97
72) 4-Ethyltoluene	17.80	105	172012	0.34	ppbv	98
73) 1,3,5-Trimethylbenzene	17.96	105	175358	0.37	ppbv	100
74) 1,2,4-Trimethylbenzene	18.80	105	222754	0.44	ppbv	96
75) 1,3-Dichlorobenzene	19.10	146	144661	0.47	ppbv	98
76) 1,4-Dichlorobenzene	19.24	146	139532	0.44	ppbv	98
77) 1,2-Dichlorobenzene	20.00	146	142545	0.45	ppbv	96
78) Hexachloro-1,3-Butadiene	24.65	225	52716	0.41	ppbv	98
79) Naphthalene	23.92	128	86558	0.26	ppbv	96
80) Naphthalene, 2-methyl-	26.04	142	14722	0.28	ppbv #	85
81) 1,2,4-Trichlorobenzene	23.71	180	48190m	0.31	ppbv	

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

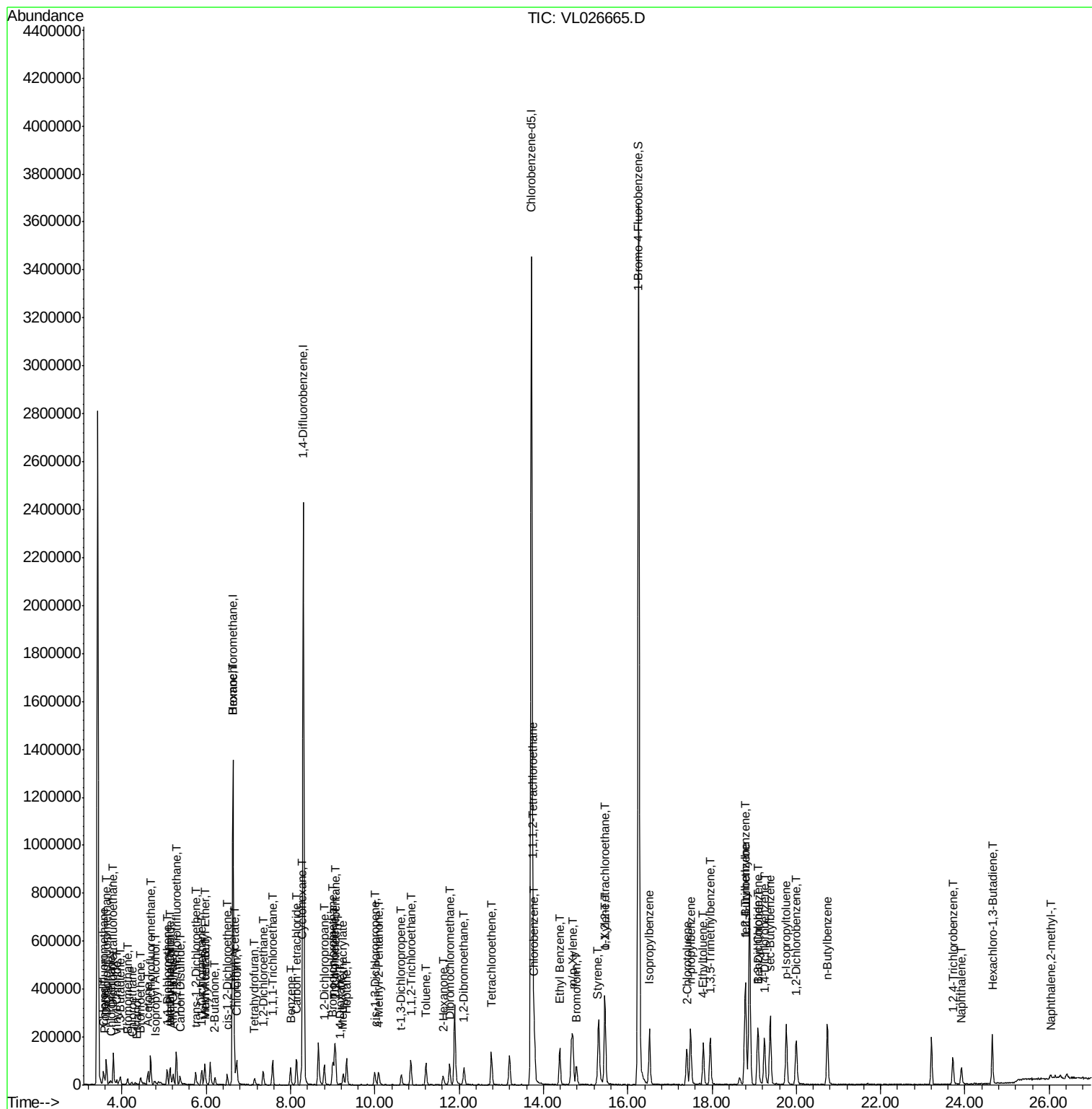
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Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\  
Data File : VL026665.D  
Acq On    : 9 Jan 2016    7:40  
Operator  : SY/AP  
Sample    : H1002-21  
Misc      : 400mL/MSVOA L  
ALS Vial  : 1    Sample Multiplier: 1
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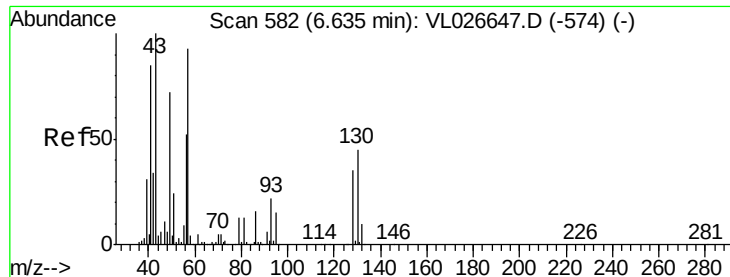
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

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Quant Time: Jan 12 05:07:07 2016
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon 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: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

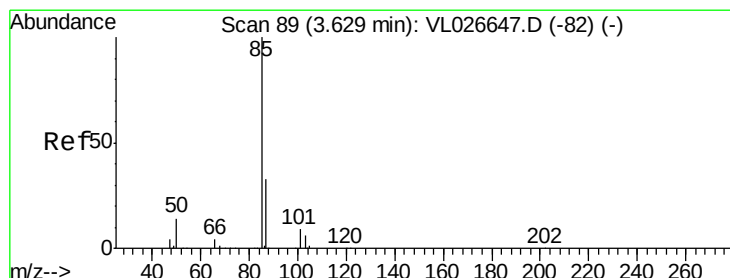
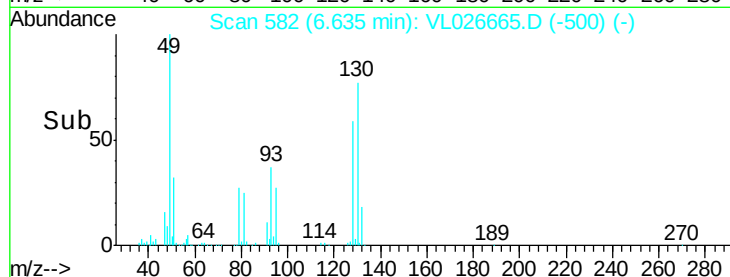
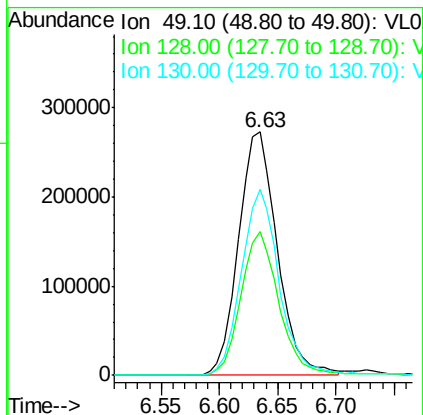
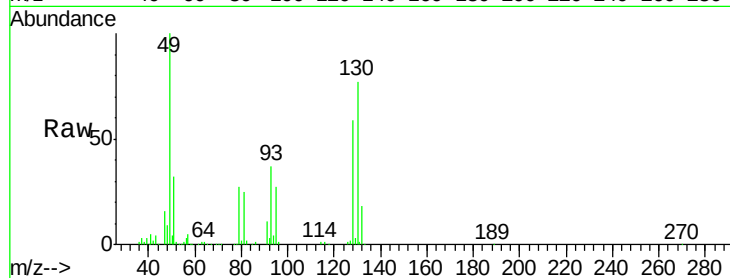
ClientSampleId :

MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
49	100		
128	59.1	25.9	77.7
130	75.5	33.6	100.8

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.54 ppbv

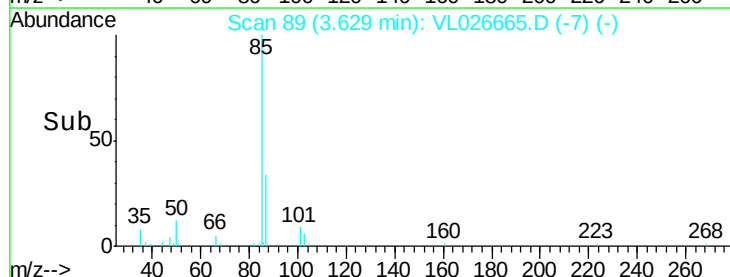
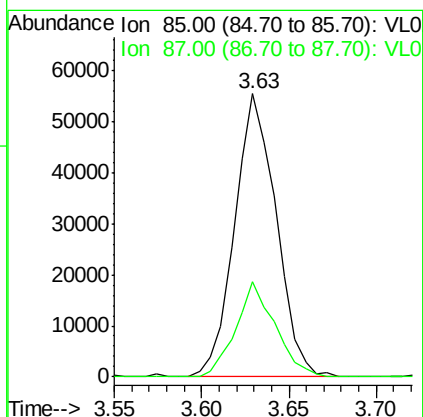
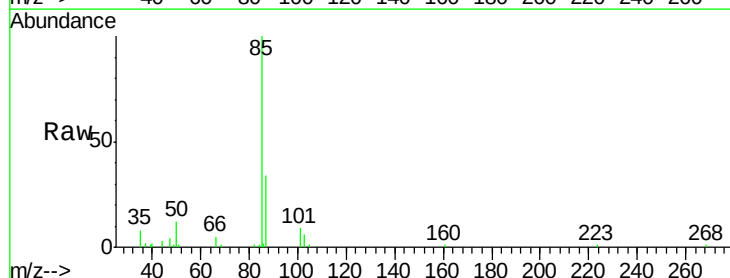
RT: 3.63 min Scan# 89

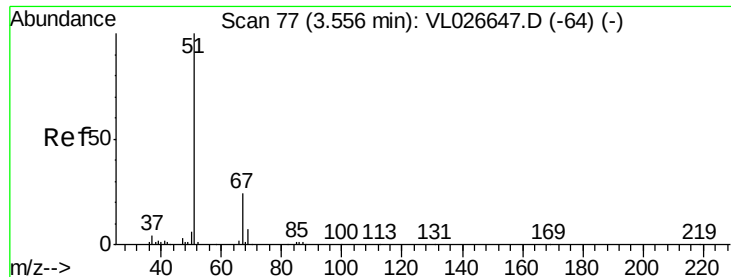
Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.7	26.4	39.6





#3

Chlorodifluoromethane

Concen: 0.49 ppbv

RT: 3.56 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tot Ion: 51 Resp: 41593

Ion Ratio Lower Upper

51 100

67 22.9 18.6 28.0

Instrument :

MSVOA_L

ClientSampled :

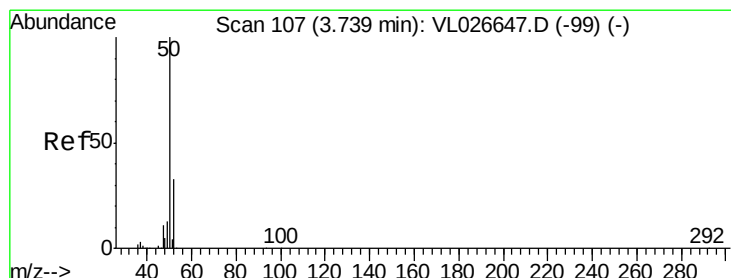
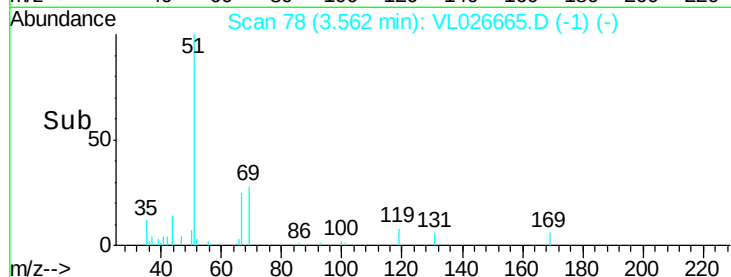
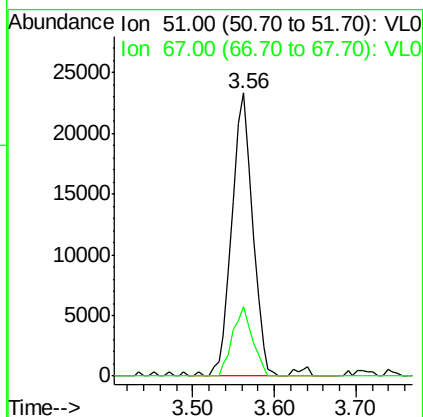
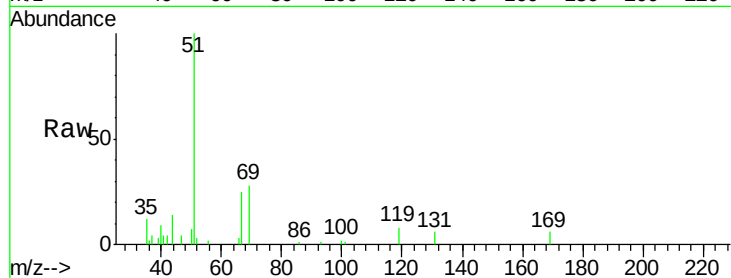
MDL-AIR-7

Manual Integrations

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#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.74 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL026665.D

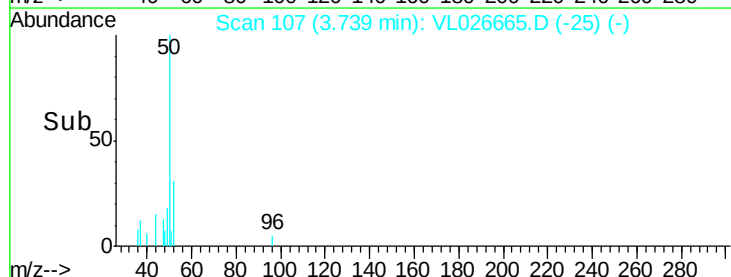
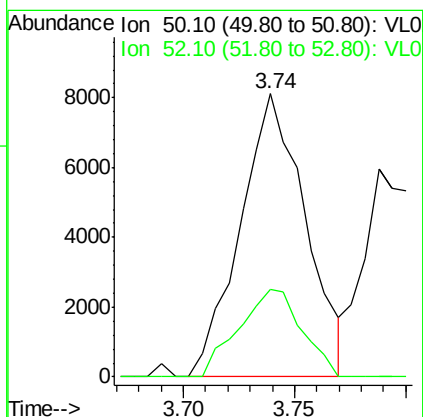
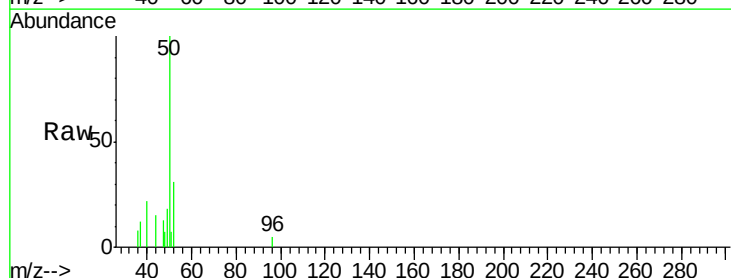
Acq: 9 Jan 2016 7:40

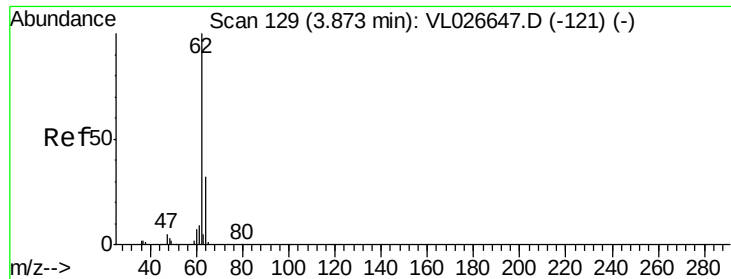
Tgt Ion: 50 Resp: 16542

Ion Ratio Lower Upper

50 100

52 31.0 26.7 40.1





#5

Vinyl Chloride

Concen: 0.38 ppbv m

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion: 62 Resp: 19040

Ion Ratio Lower Upper

62 100

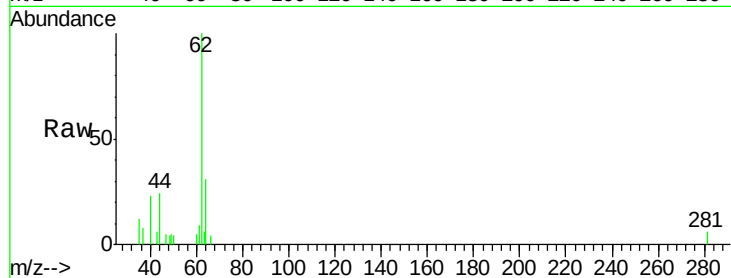
64 31.2 25.6 38.4

Manual Integrations

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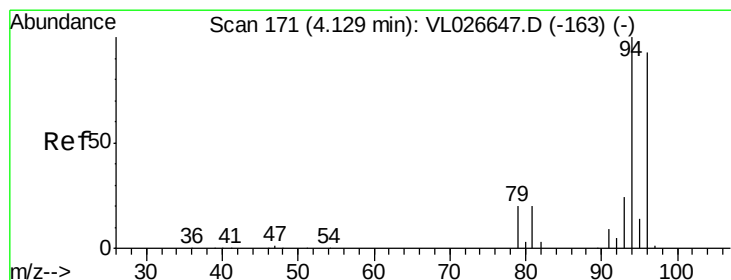
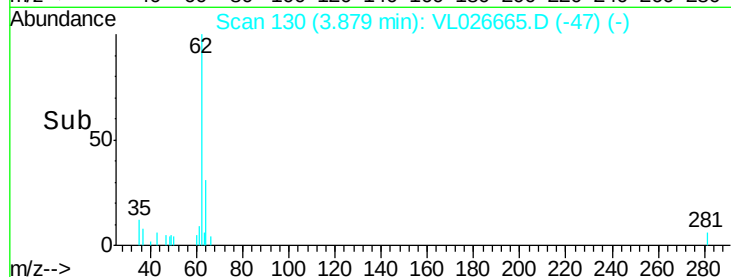
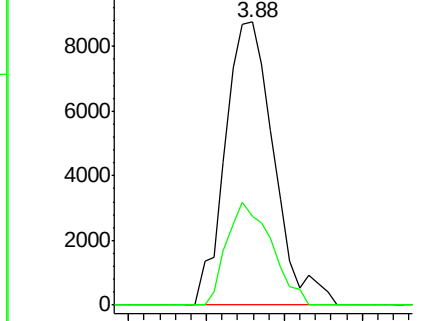
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.46 ppbv

RT: 4.13 min Scan# 171

Delta R.T. -0.00 min

Lab File: VL026665.D

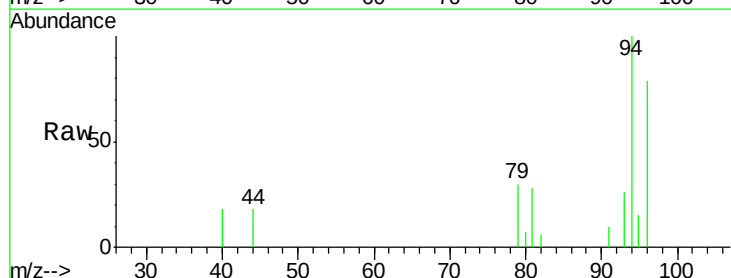
Acq: 9 Jan 2016 7:40

Tgt Ion: 94 Resp: 16238

Ion Ratio Lower Upper

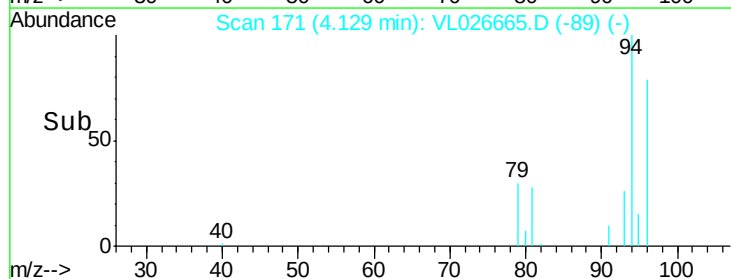
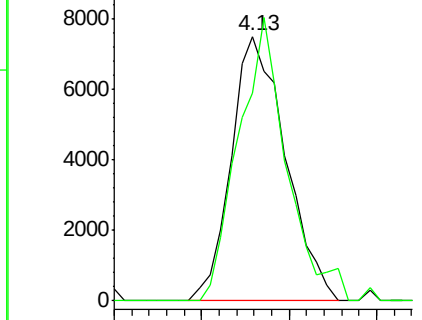
94 100

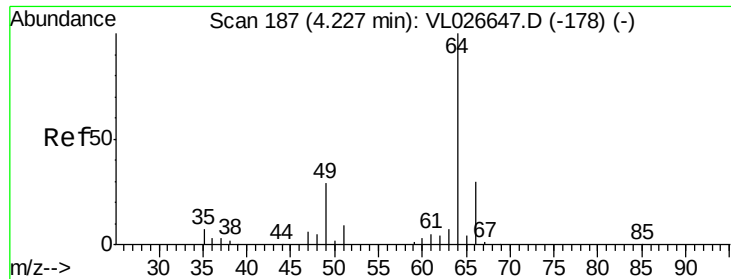
96 78.8 74.6 112.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.46 ppbv

RT: 4.23 min Scan# 188

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion: 64 Resp: 9314

Ion Ratio Lower Upper

64 100

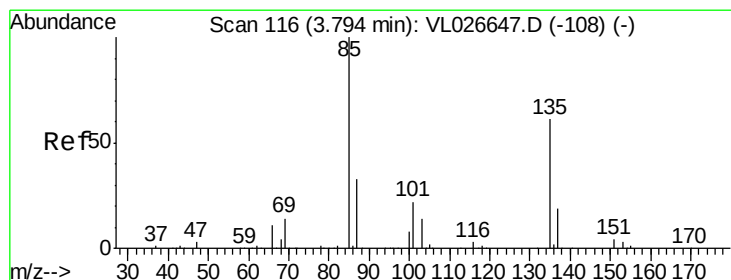
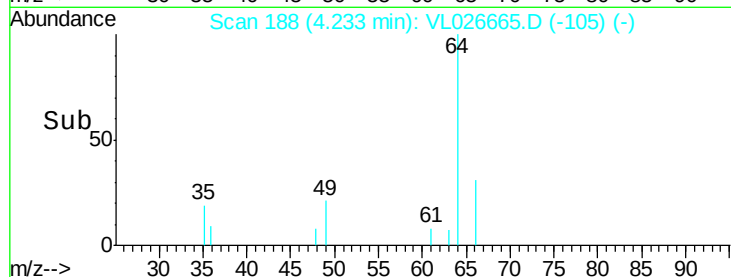
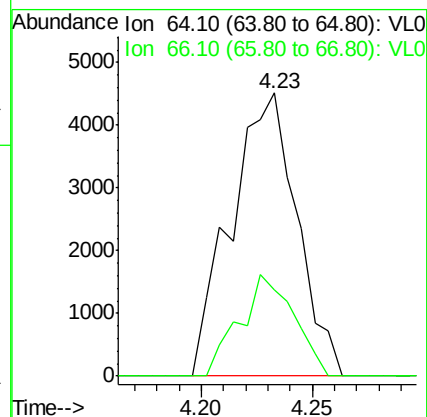
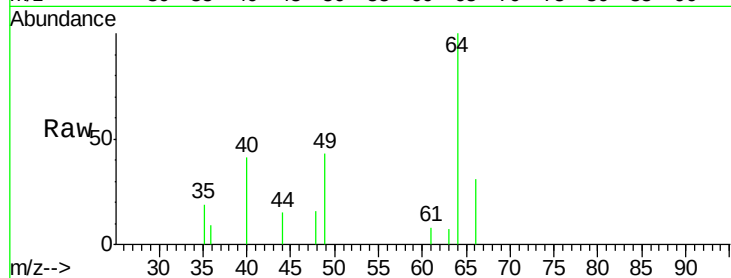
66 30.6 24.3 36.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.50 ppbv

RT: 3.79 min Scan# 116

Delta R.T. -0.00 min

Lab File: VL026665.D

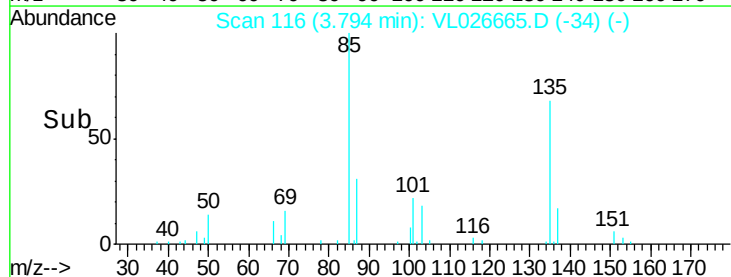
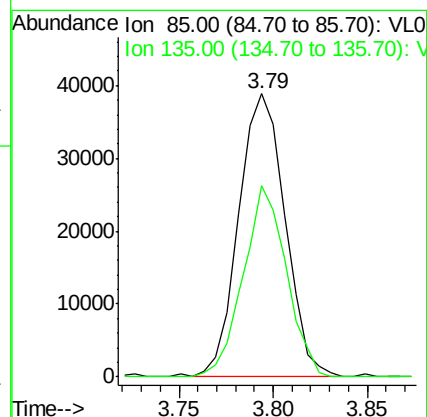
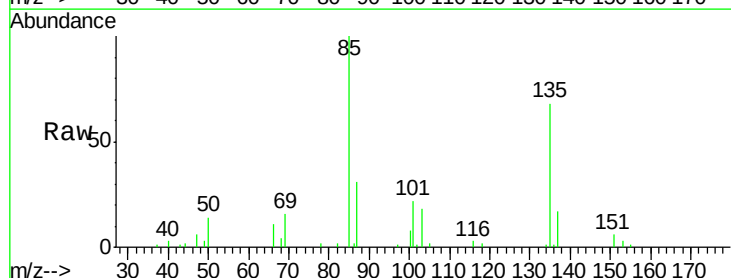
Acq: 9 Jan 2016 7:40

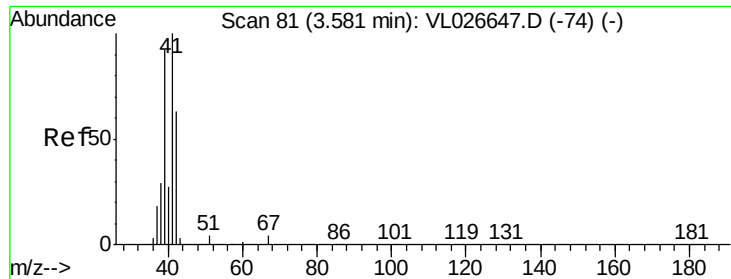
Tgt Ion: 85 Resp: 66348

Ion Ratio Lower Upper

85 100

135 62.7 49.8 74.6





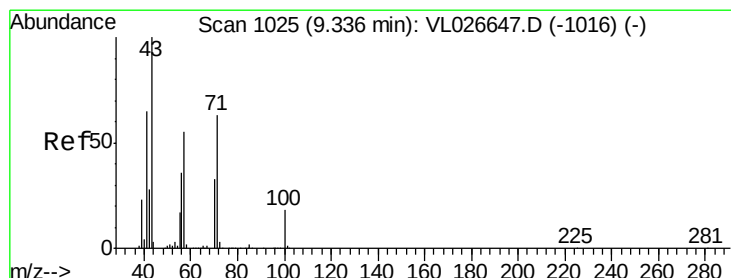
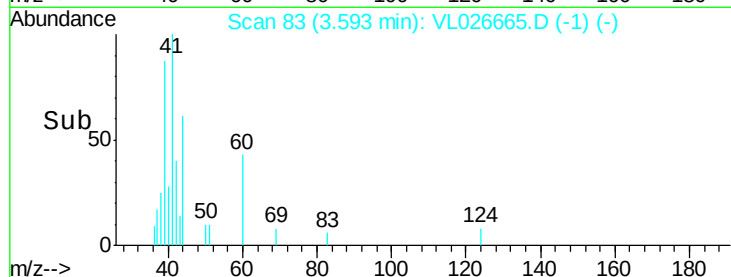
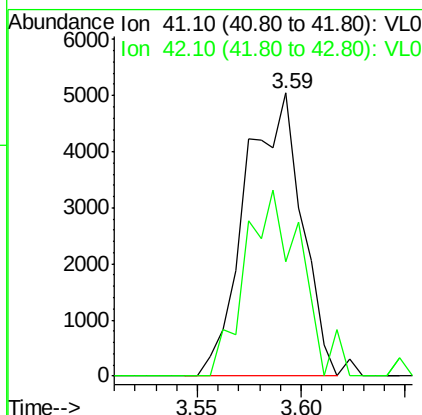
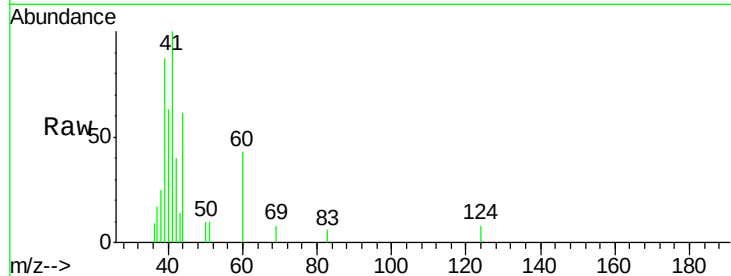
#9
 Propene
 Concen: 0.32 ppbv m
 RT: 3.59 min Scan# 83
 Delta R.T. 0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion: 41 Resp: 9601
 Ion Ratio Lower Upper
 41 100
 42 0.0 53.6 80.4#

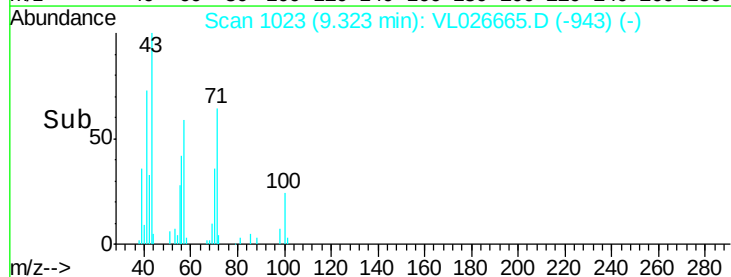
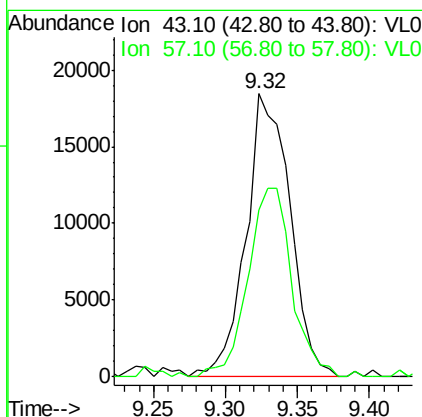
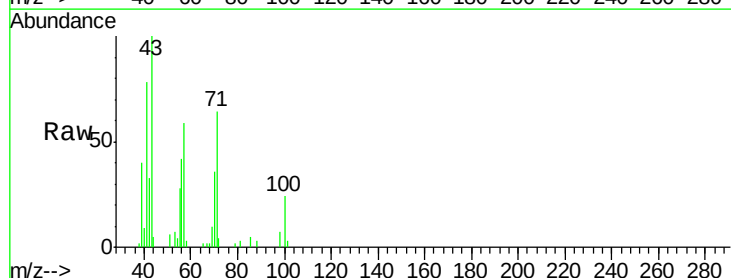
Manual Integrations
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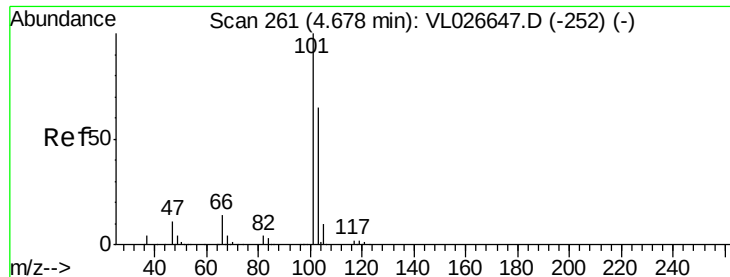
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#10
 Heptane
 Concen: 0.35 ppbv
 RT: 9.32 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion: 43 Resp: 39068
 Ion Ratio Lower Upper
 43 100
 57 68.3 45.8 68.6





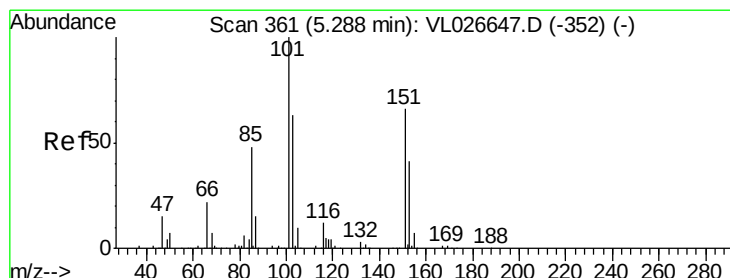
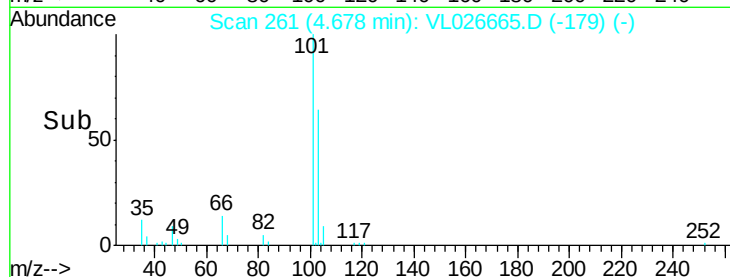
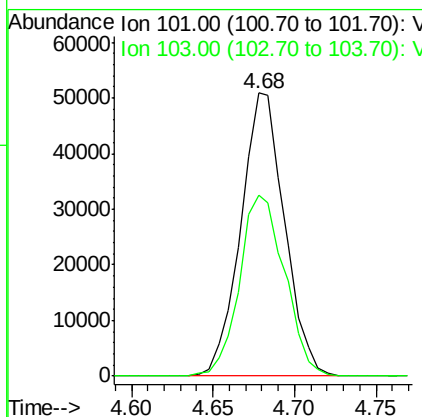
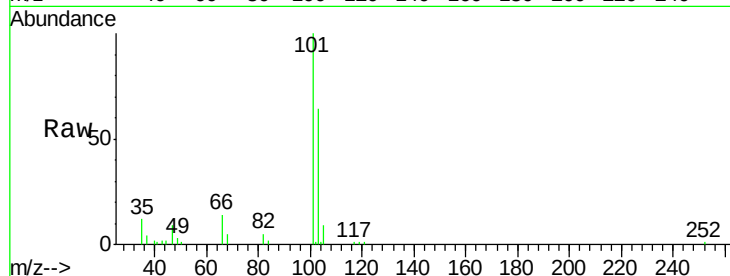
#11
 Trichlorofluoromethane
 Concen: 0.54 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. -0.00 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.7	77.5

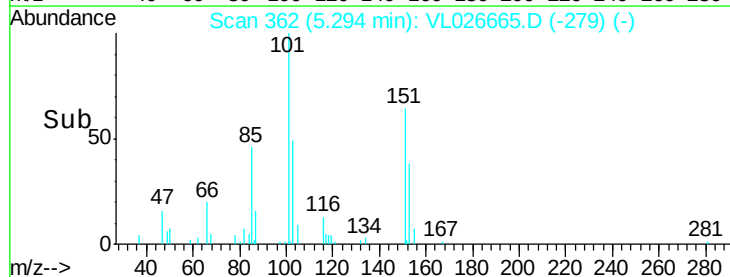
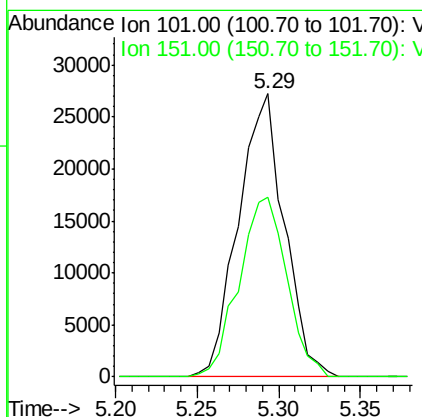
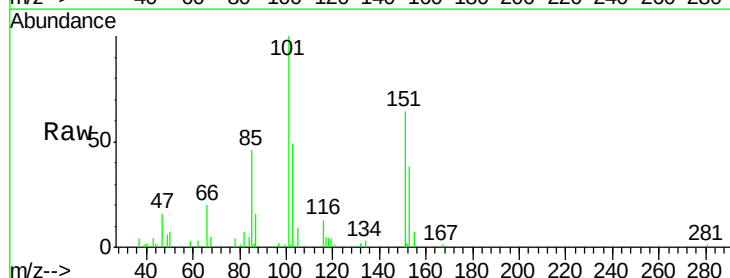
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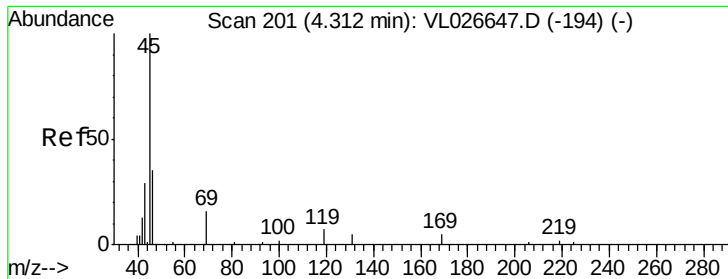
MMdadoda
 1/14/2016 10:51:22 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.50 ppbv
 RT: 5.29 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
101	100		
151	66.0	54.2	81.4





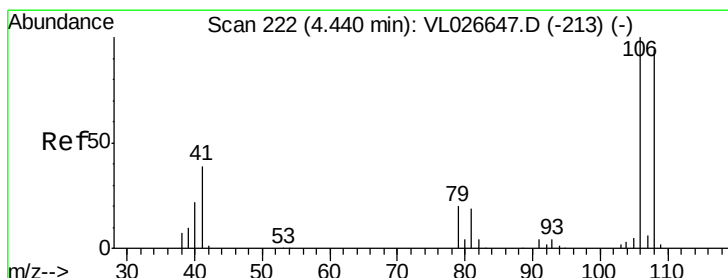
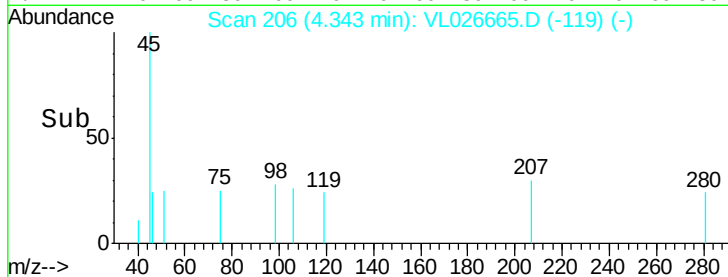
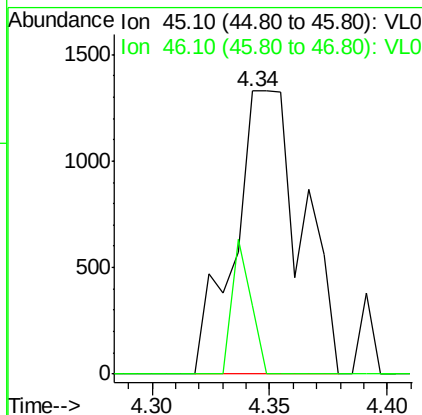
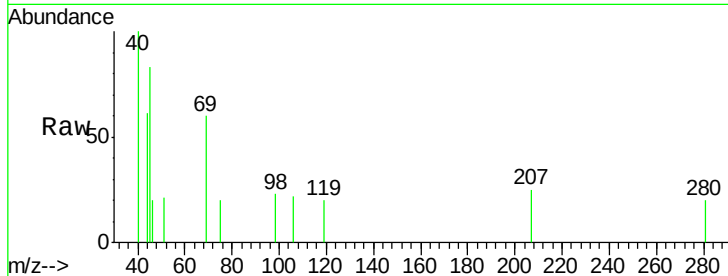
#13
Ethanol
Concen: 0.46 ppbv m
RT: 4.34 min Scan# 206
Delta R.T. 0.03 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-7

Tot Ion: 45 Resp: 2665
Ion Ratio Lower Upper
45 100
46 0.0 16.7 66.7#

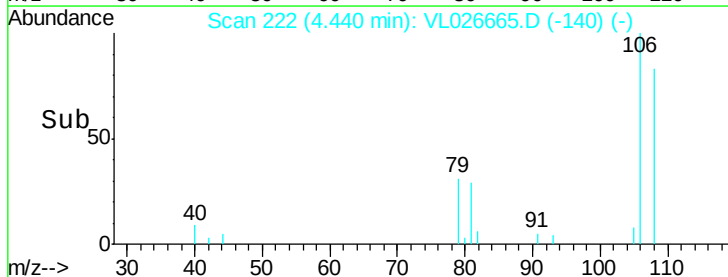
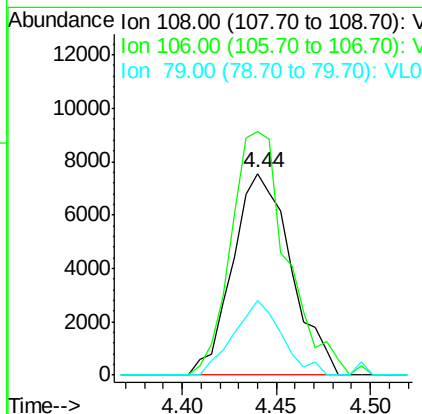
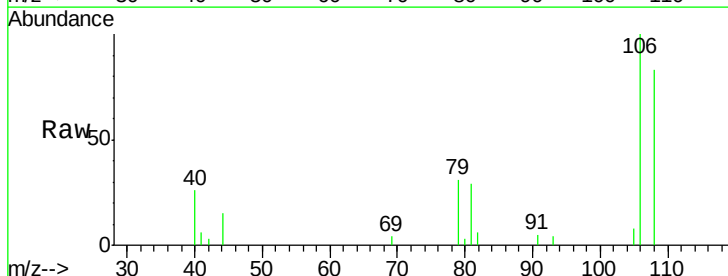
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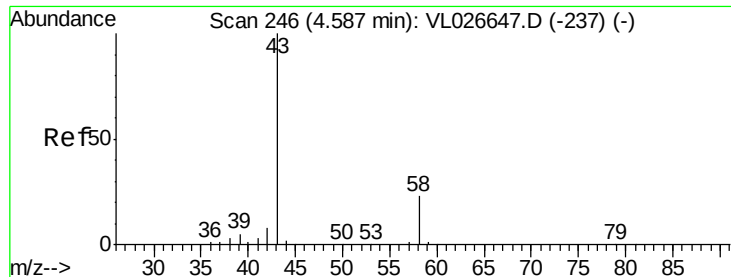
MMdadoda
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#14
Bromoethene
Concen: 0.42 ppbv
RT: 4.44 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 108 Resp: 16222
Ion Ratio Lower Upper
108 100
106 116.3 86.4 129.6
79 31.5 17.2 25.8#





#15

Acetone

Concen: 0.61 ppbv

RT: 4.62 min Scan# 251

Delta R.T. 0.03 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion: 43 Resp: 63321

Ion Ratio Lower Upper

43 100

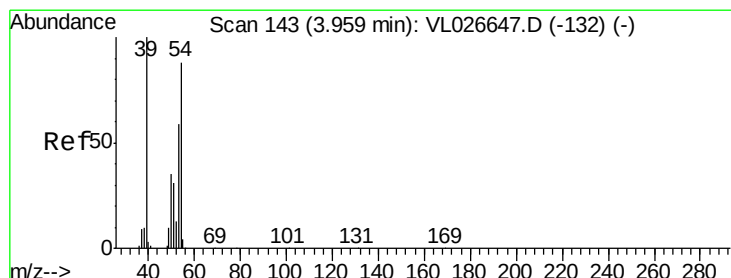
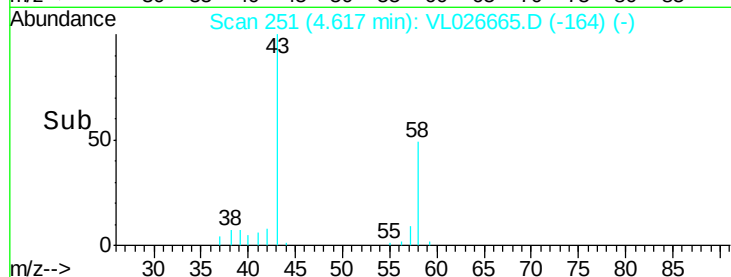
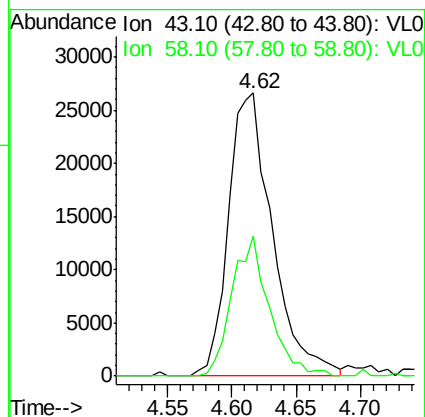
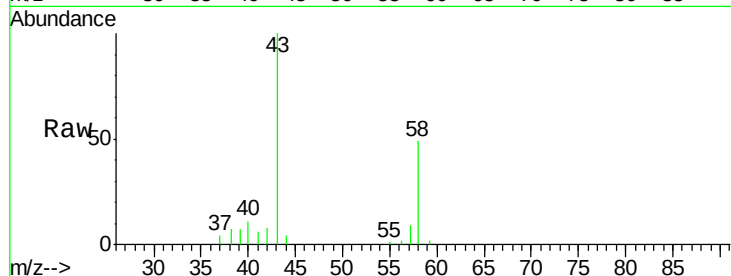
58 42.3 19.2 28.8#

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#16

1,3-Butadiene

Concen: 0.42 ppbv

RT: 3.96 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL026665.D

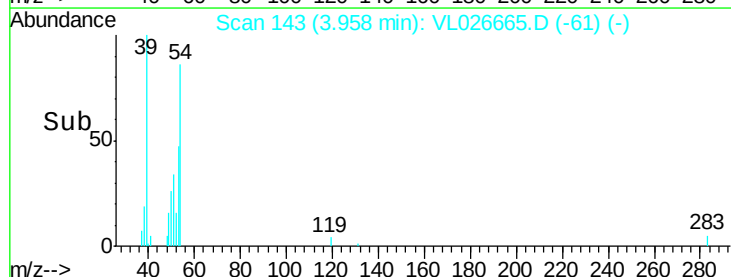
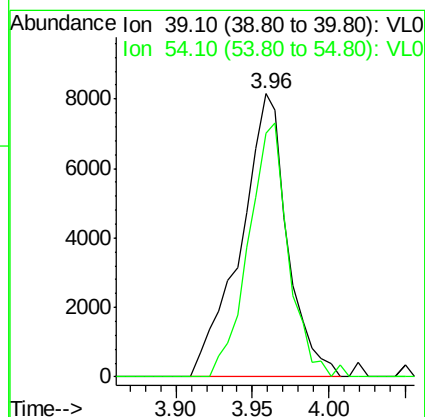
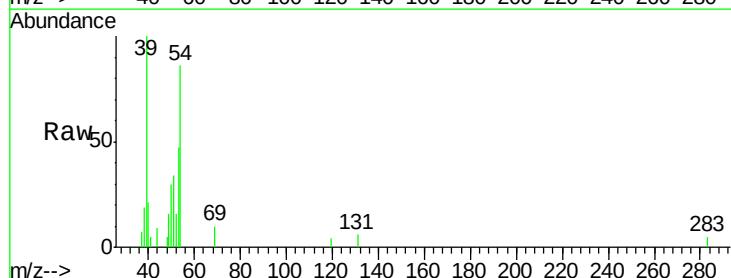
Acq: 9 Jan 2016 7:40

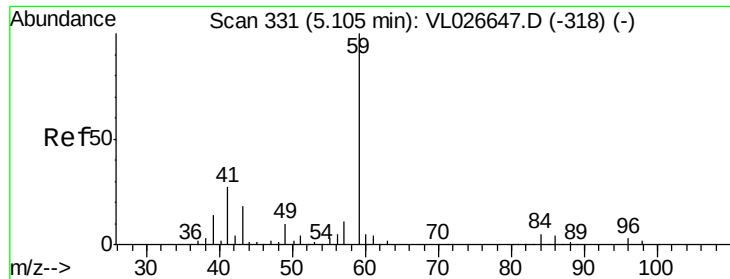
Tgt Ion: 39 Resp: 17386

Ion Ratio Lower Upper

39 100

54 76.6 66.6 100.0





#17

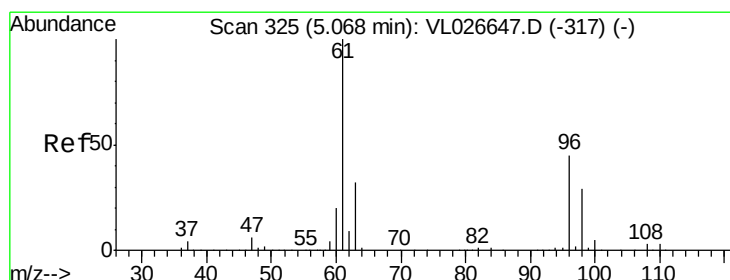
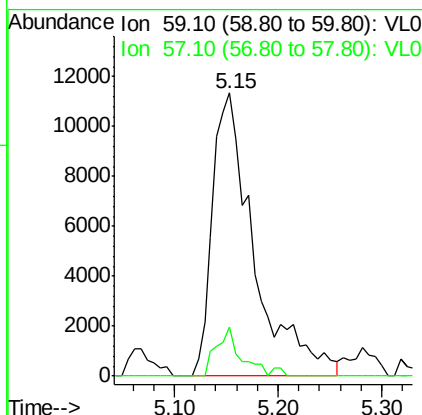
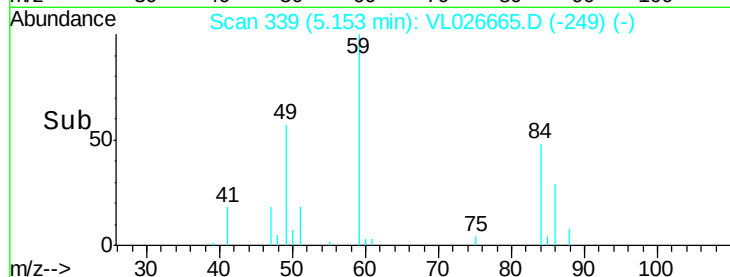
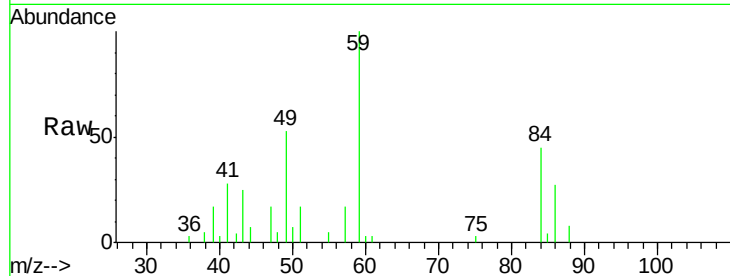
tert-Butyl alcohol
Concen: 0.40 ppbv m
RT: 5.15 min Scan# 339
Delta R.T. 0.05 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-7

Tot Ion: 59 Resp: 31739
Ion Ratio Lower Upper
59 100
57 10.6 9.0 13.6

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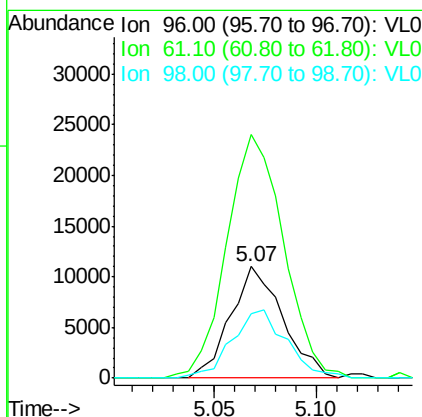
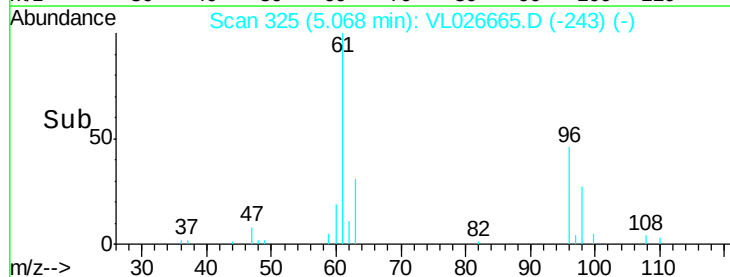
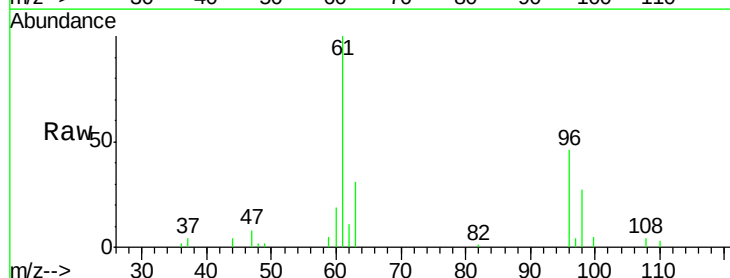
MMdadoda
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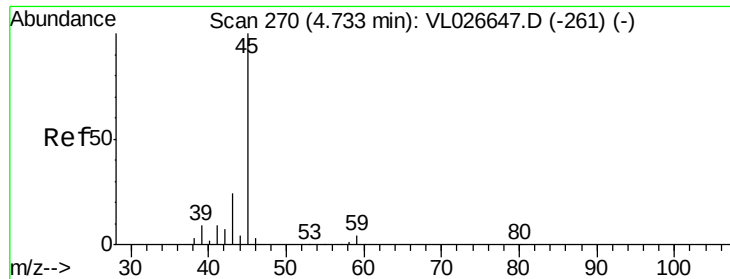


#18

1,1-Dichloroethene
Concen: 0.44 ppbv
RT: 5.07 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 96 Resp: 19643
Ion Ratio Lower Upper
96 100
61 212.4 176.7 265.1
98 55.1 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.38 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.05 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion: 45 Resp: 16294

Ion Ratio Lower Upper

45 100

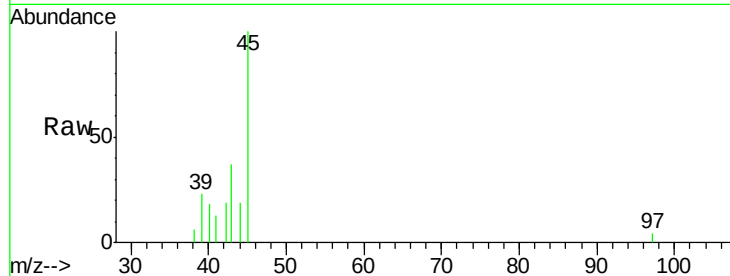
58 0.0 1.3 1.9#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

8000

6000

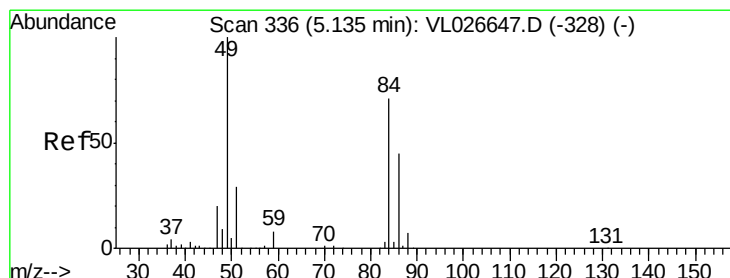
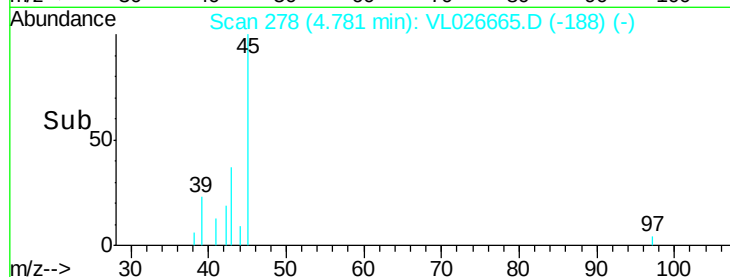
4000

2000

0

4.70 4.75 4.80 4.85

Time-->



#20

Methylene Chloride

Concen: 0.55 ppbv

RT: 5.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion: 84 Resp: 23605

Ion Ratio Lower Upper

84 100

49 137.2 112.3 168.5

51 37.4 32.5 48.7

86 52.0 50.3 75.5

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

20000

15000

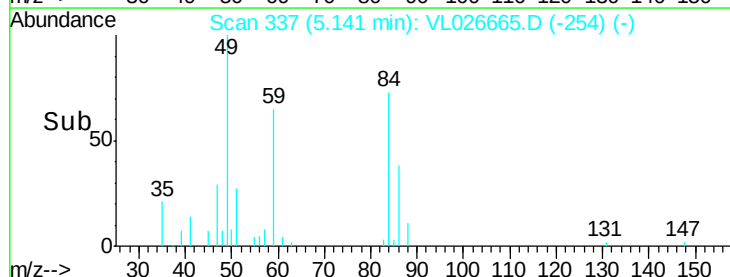
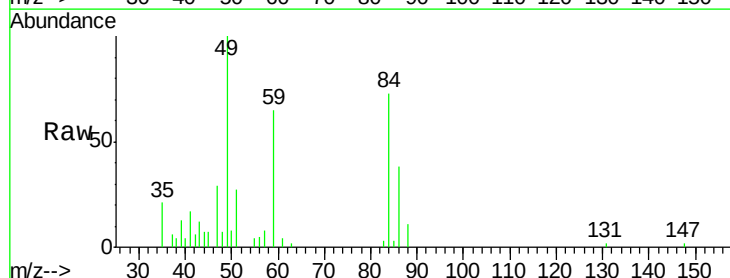
10000

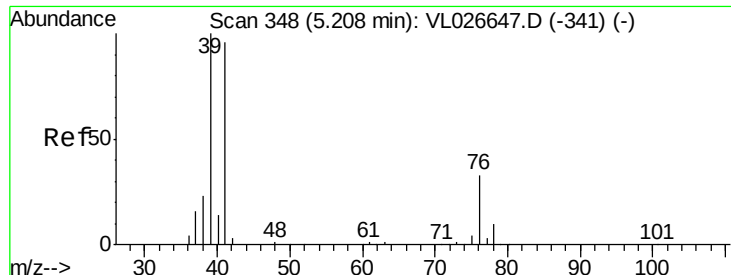
5000

0

5.05 5.10 5.15 5.20

Time-->





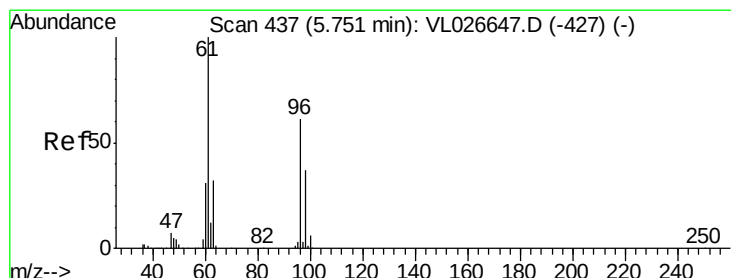
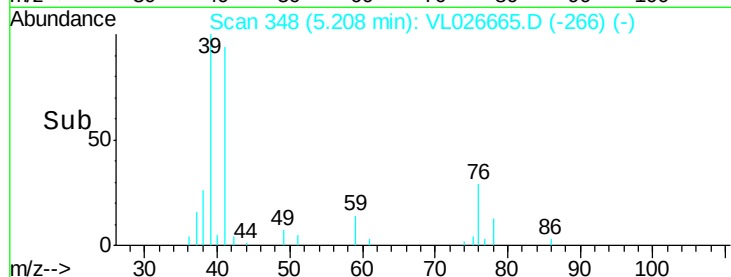
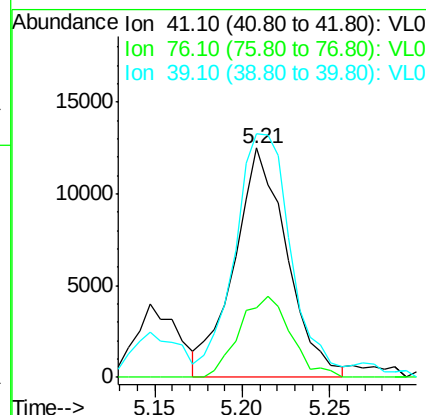
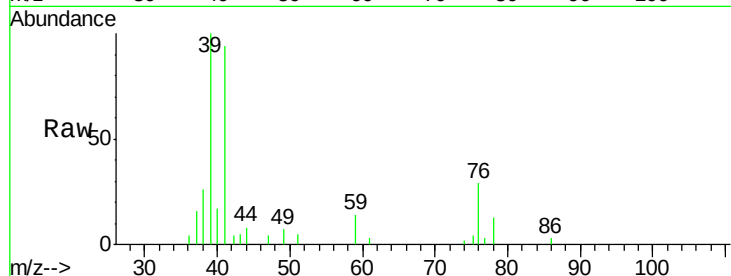
#21
Allvl Chloride
Concen: 0.41 ppbv
RT: 5.21 min Scan# 348
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
41	100		
76	34.3	27.5	41.3
39	136.9	83.0	124.6#

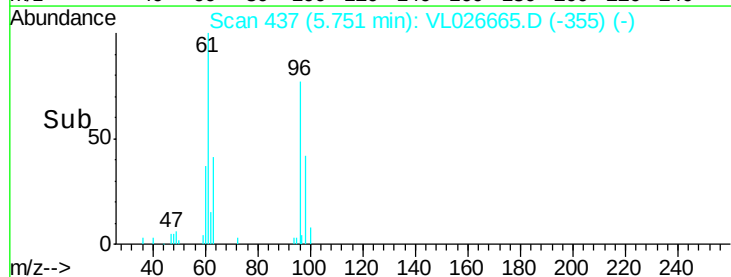
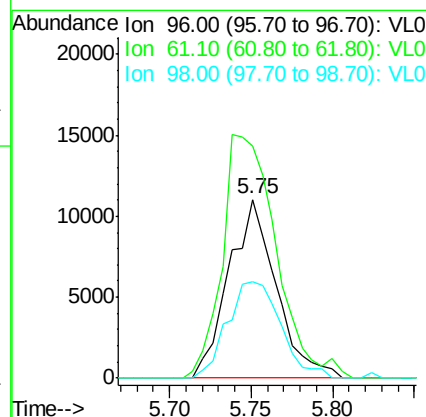
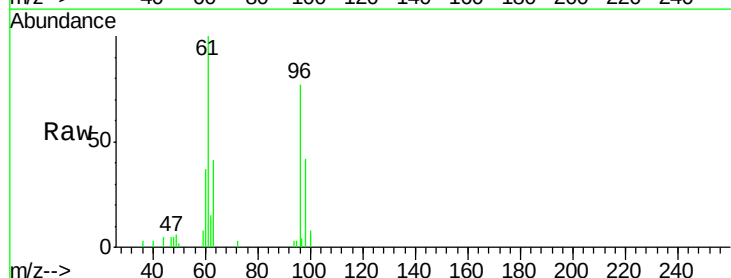
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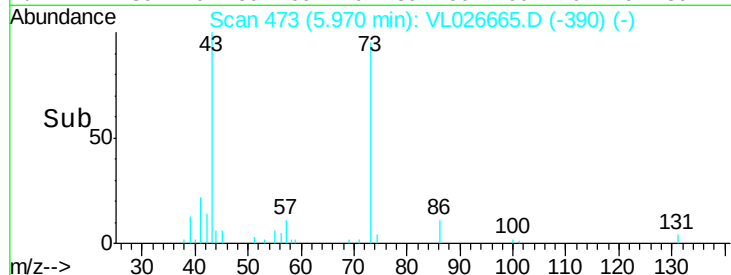
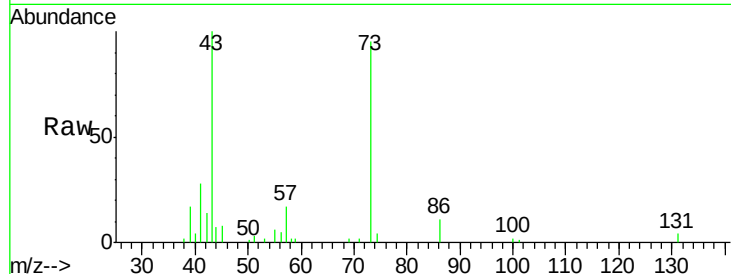
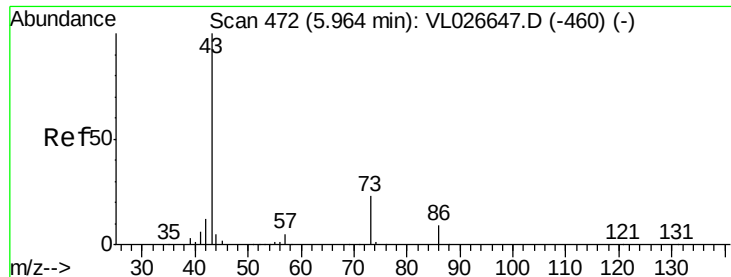
MMdadoda
1/14/2016 10:51:22 AM



#22
trans-1,2-Dichloroethene
Concen: 0.44 ppbv
RT: 5.75 min Scan# 437
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.7	131.0	196.6#
98	54.2	48.1	72.1





#23

Vinyl Acetate

Concen: 0.35 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tot Ion:	43	Resp:	55496
Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.4	11.0
42	14.0	9.2	13.8
44	4.1	3.8	5.8

Instrument :

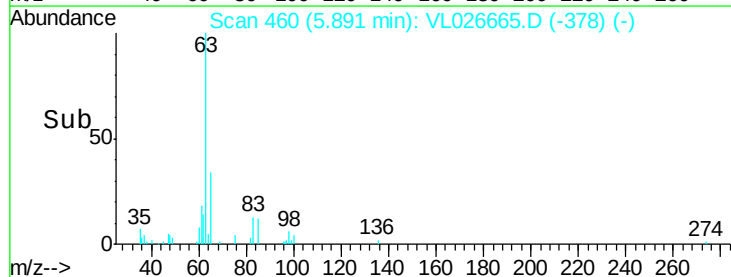
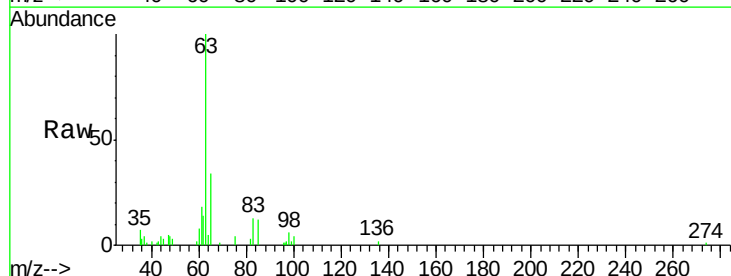
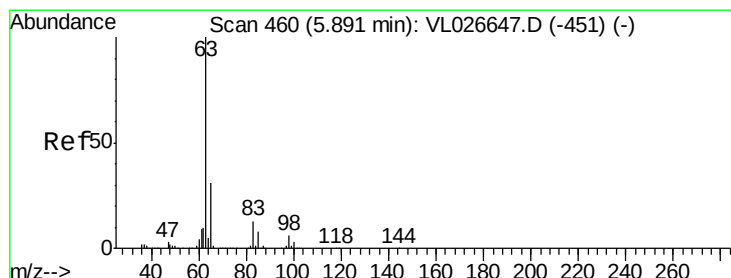
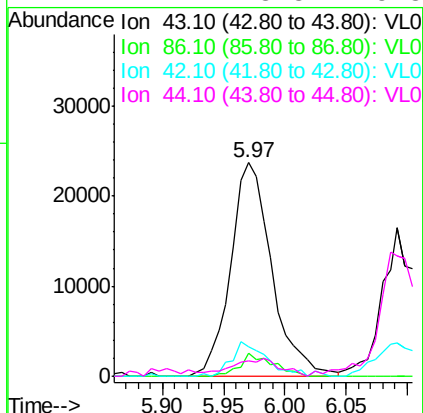
MSVOA_L

ClientSampleId :

MDL-AIR-7

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#24

1,1-Dichloroethane

Concen: 0.41 ppbv

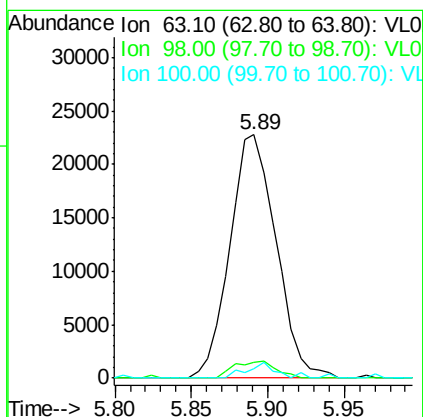
RT: 5.89 min Scan# 460

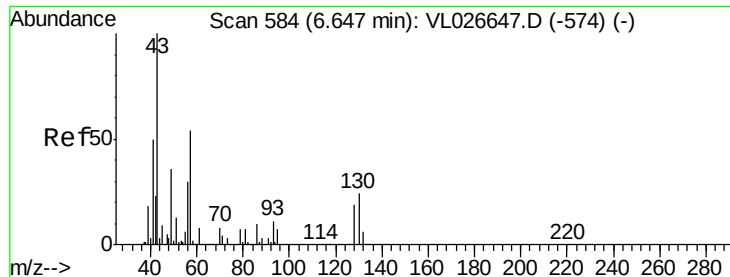
Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:	63	Resp:	47860
Ion	Ratio	Lower	Upper
63	100		
98	6.5	2.9	8.7
100	4.1	1.6	4.8





#25

Ethyl Acetate

Concen: 0.29 ppbv

RT: 6.67 min Scan# 588

Delta R.T. 0.02 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

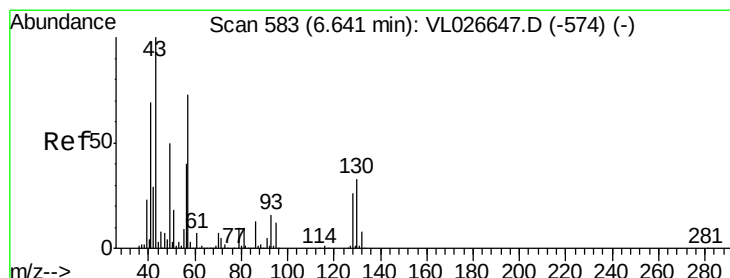
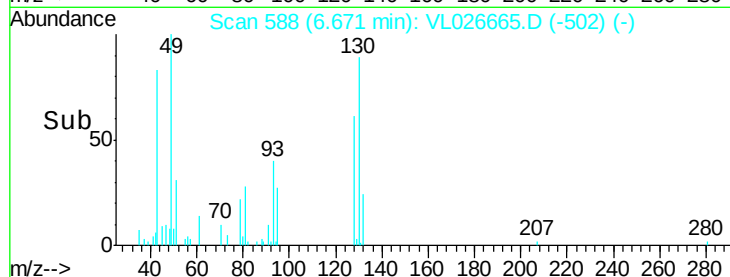
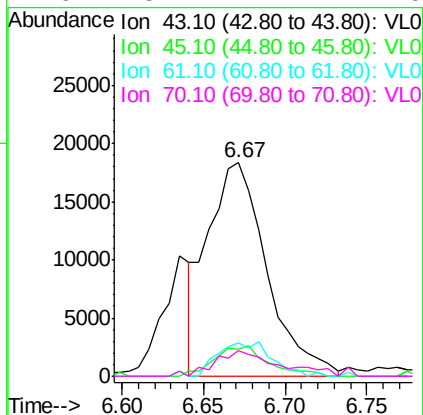
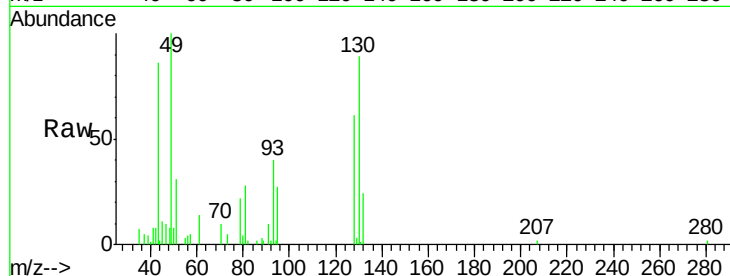
ClientSampled :

MDL-AIR-7

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	13.0	7.5	11.3#	
61	15.0	7.3	10.9#	
70	13.4	7.4	11.0#	

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#26

Hexane

Concen: 0.36 ppbv

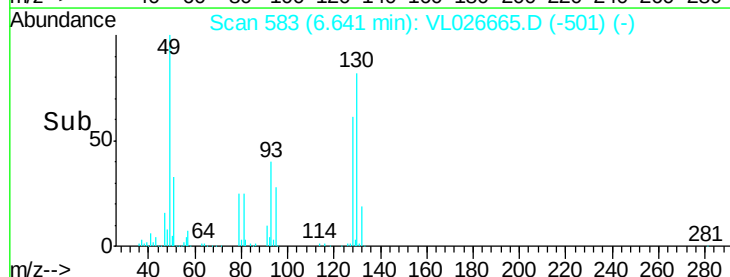
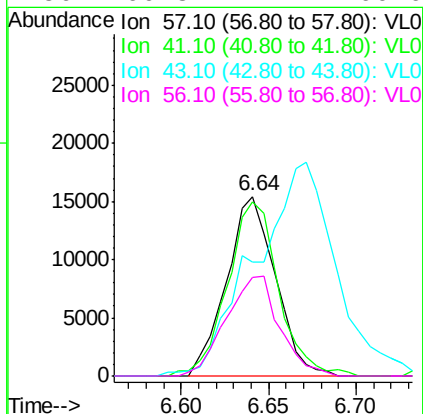
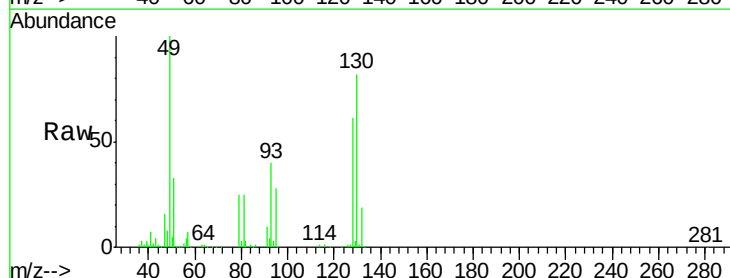
RT: 6.64 min Scan# 583

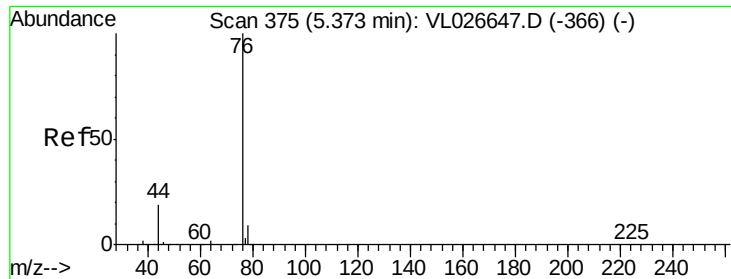
Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	101.4	74.8	112.2	
43	205.5	161.5	242.3	
56	60.8	44.4	66.6	





#27

Carbon Disulfide

Concen: 0.45 ppbv

RT: 5.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

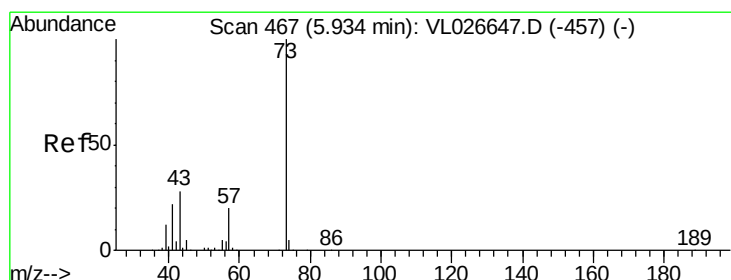
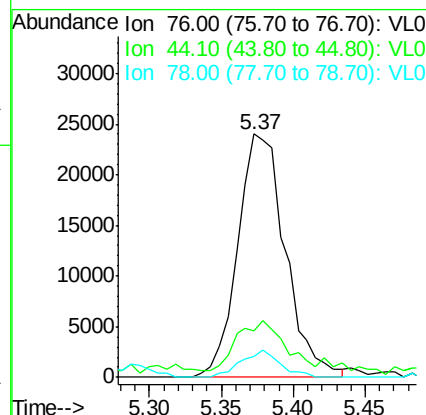
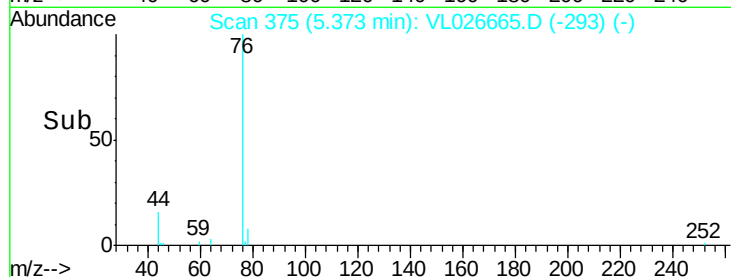
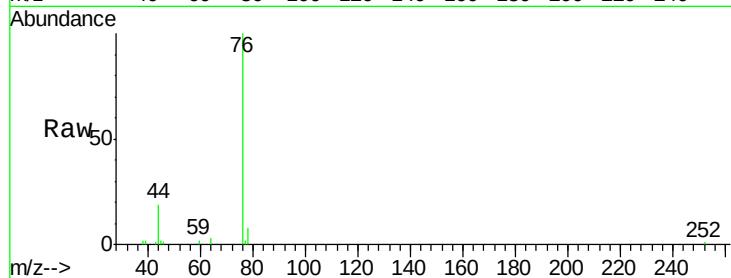
ClientSampleId :

MDL-AIR-7

Tot Ion:	76	Resp:	55103
Ion Ratio	Lower	Upper	
76	100		
44	34.2	15.9	23.9#
78	9.1	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 0.36 ppbv

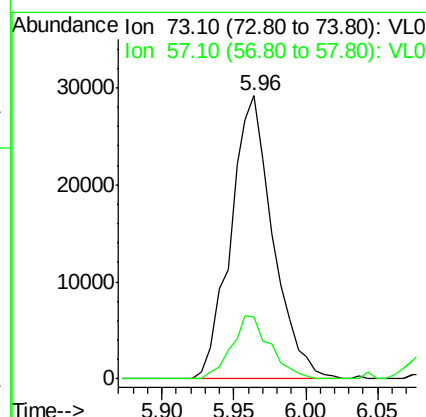
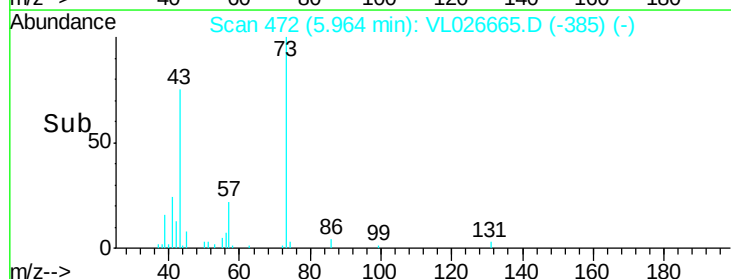
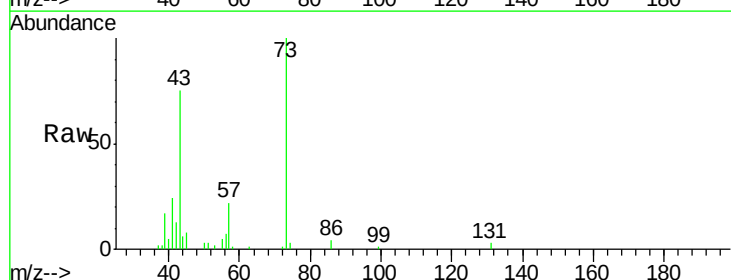
RT: 5.96 min Scan# 472

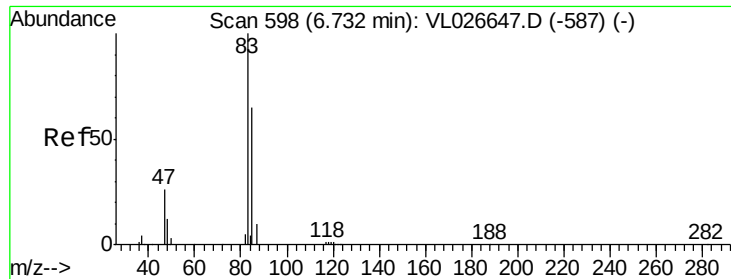
Delta R.T. 0.03 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:	73	Resp:	59518
Ion Ratio	Lower	Upper	
73	100		
57	20.4	16.2	24.4





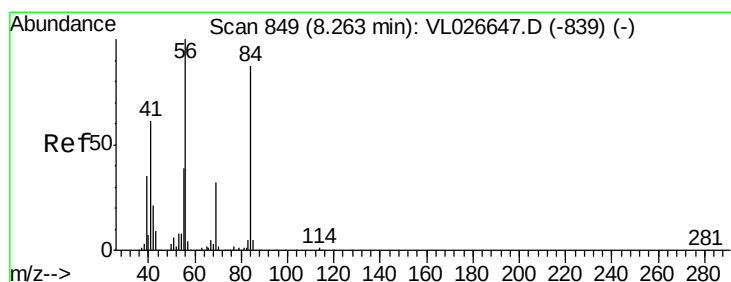
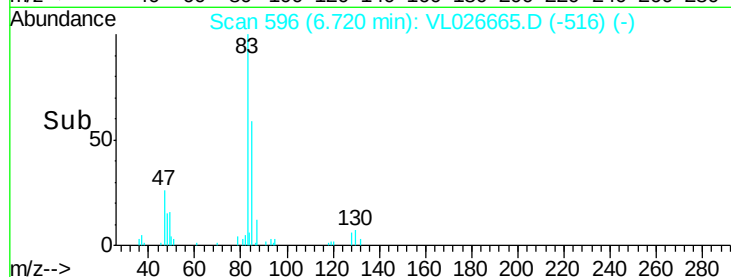
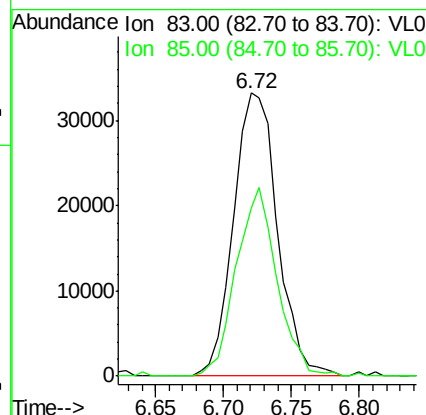
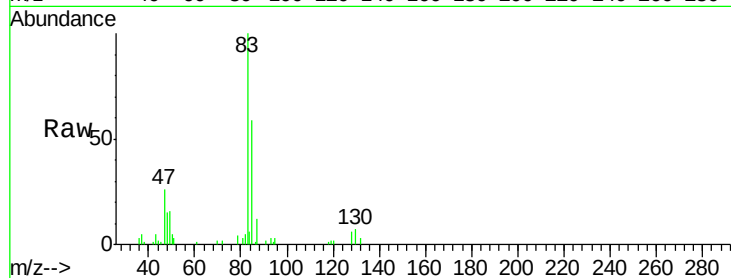
#29
Chloroform
Concen: 0.50 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion	83	Resp	74924
Ion Ratio	100	Lower	Upper
83	100		
85	59.2	51.6	77.4

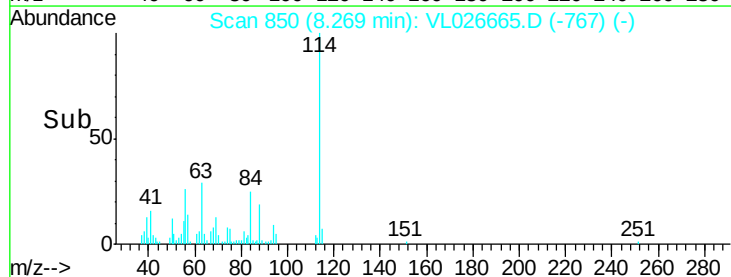
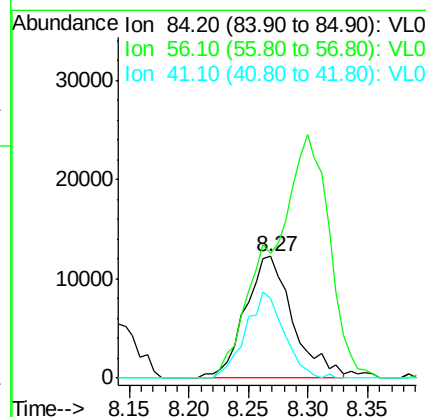
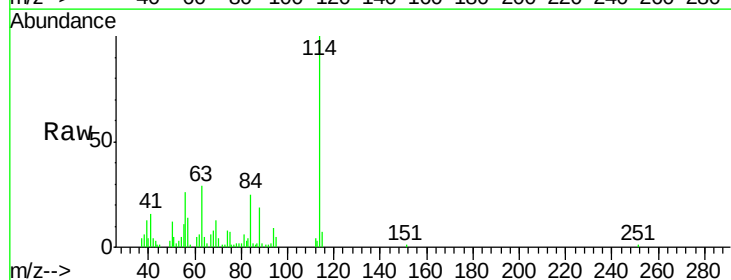
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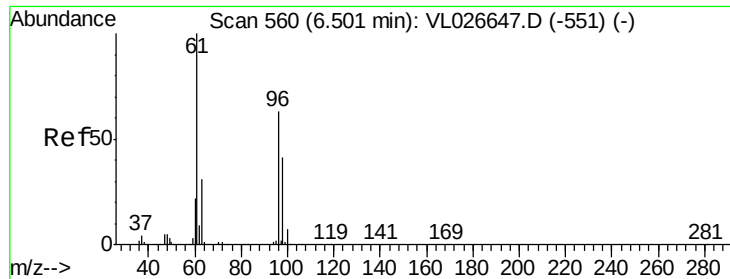
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#30
Cyclohexane
Concen: 0.41 ppbv m
RT: 8.27 min Scan# 850
Delta R.T. 0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion	84	Resp	33849
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: 0.35 ppbv

RT: 6.50 min Scan# 560

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

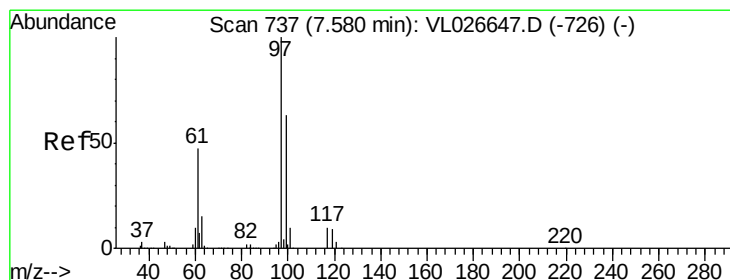
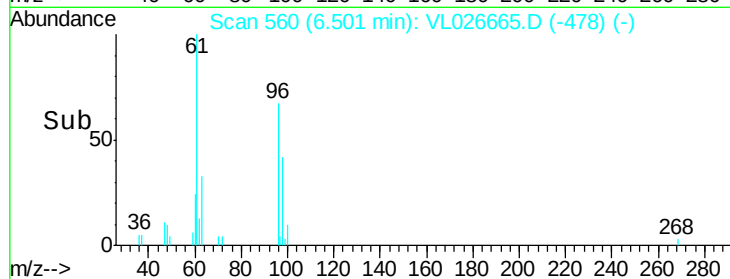
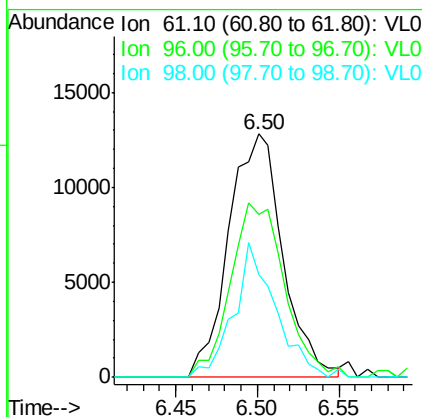
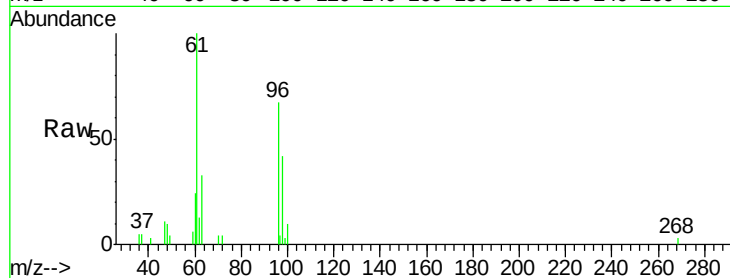
ClientSampleId :

MDL-AIR-7

Tot Ion:	61	Resp:	29592
Ion	Ratio	Lower	Upper
61	100		
96	66.7	50.2	75.4
98	42.2	32.4	48.6

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#32

1,1,1-Trichloroethane

Concen: 0.45 ppbv

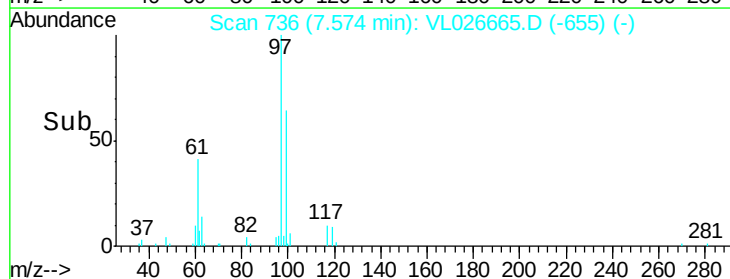
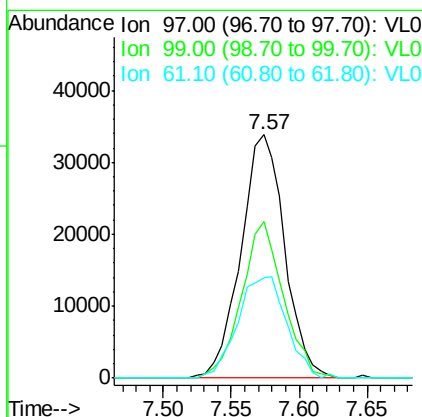
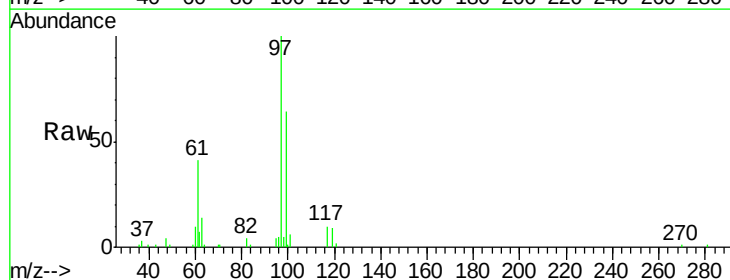
RT: 7.57 min Scan# 736

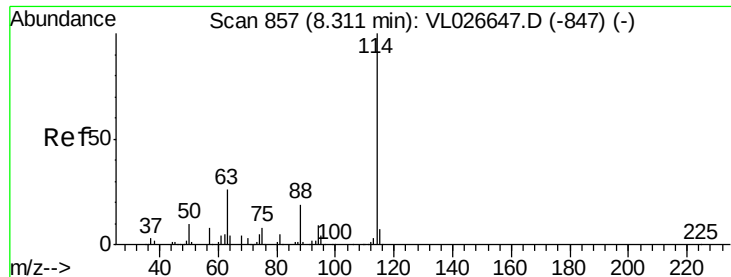
Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:	97	Resp:	76292
Ion	Ratio	Lower	Upper
97	100		
99	61.3	50.8	76.2
61	46.7	38.9	58.3





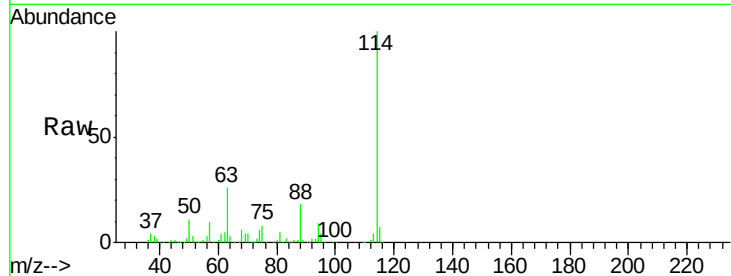
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.7	32.5
88	18.8	15.2	22.8

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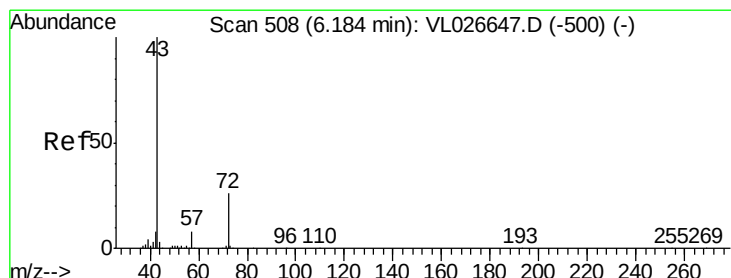
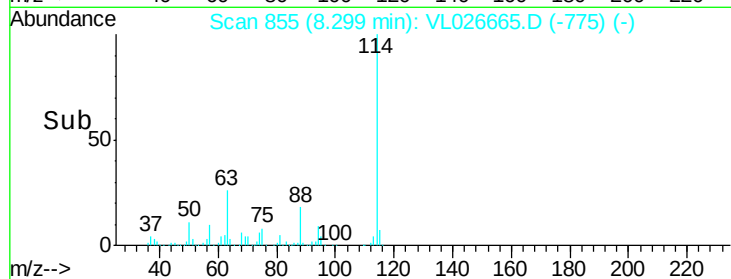
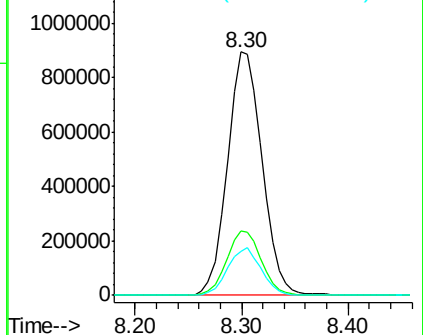
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Abundance Ion 114.10 (113.80 to 114.80): VL0

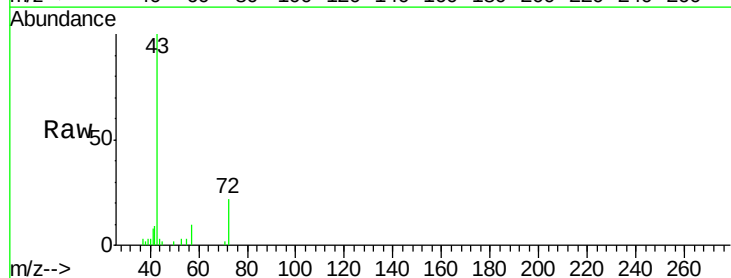
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



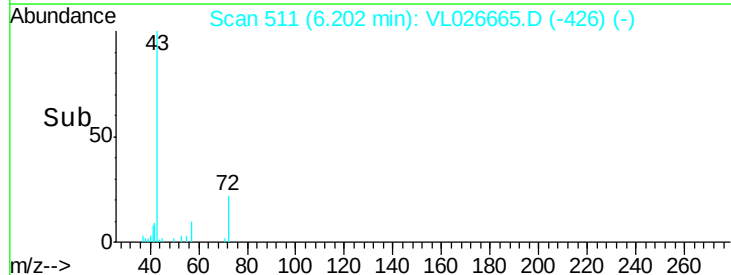
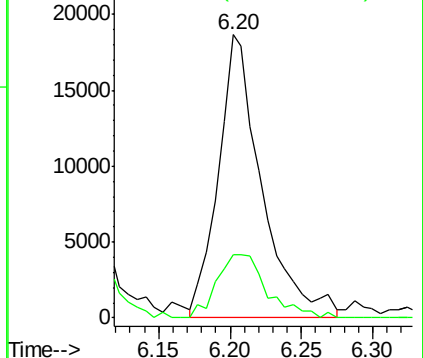
#34
 2-Butanone
 Concen: 0.36 ppbv m
 RT: 6.20 min Scan# 511
 Delta R.T. 0.02 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

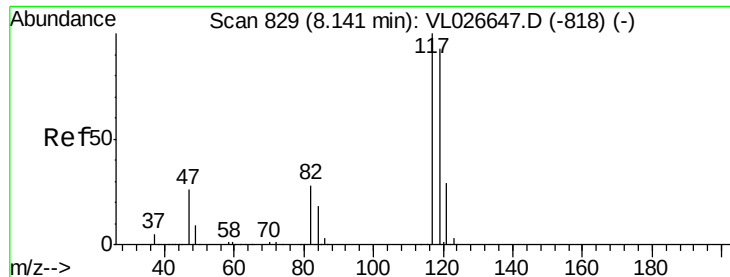
Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.41 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

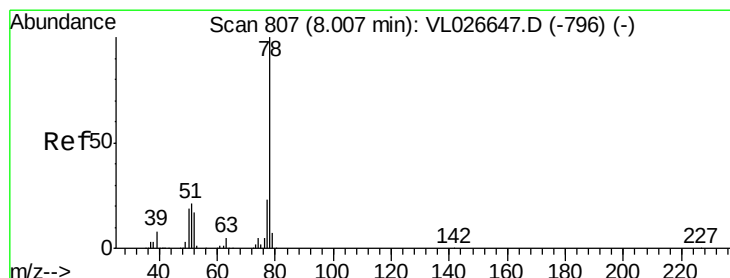
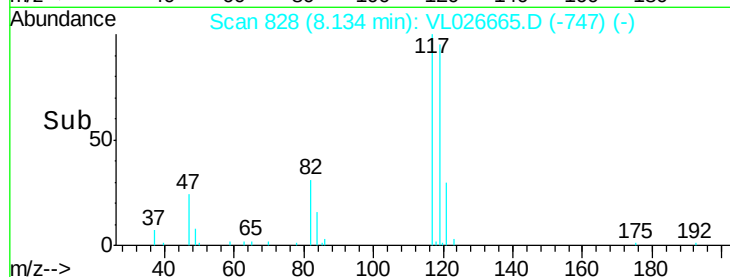
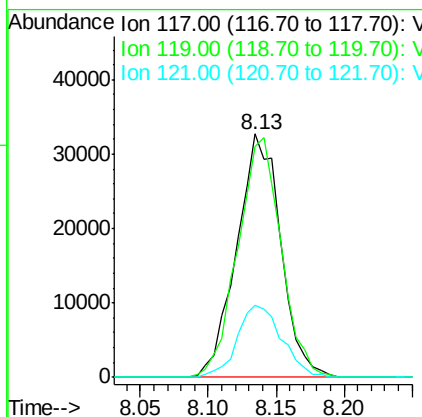
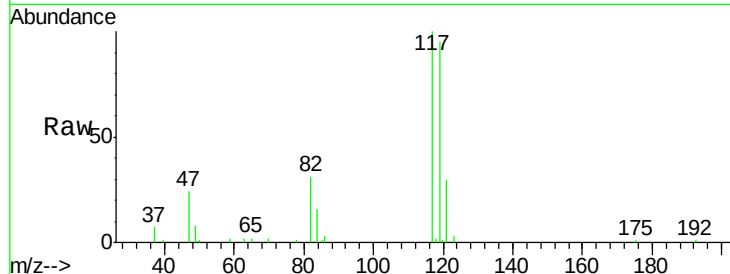
ClientSampleId :

MDL-AIR-7

Tot Ion:	117	Resp:	73956
Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.7	112.1
121	29.6	23.1	34.7

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#36

Benzene

Concen: 0.31 ppbv

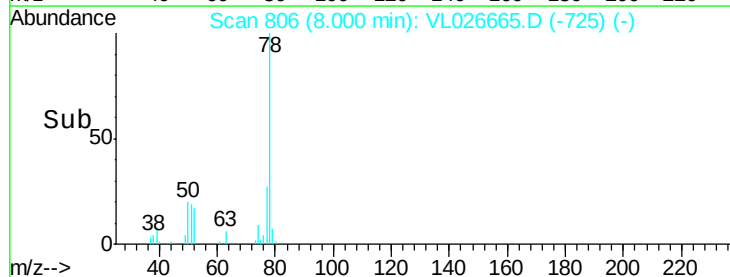
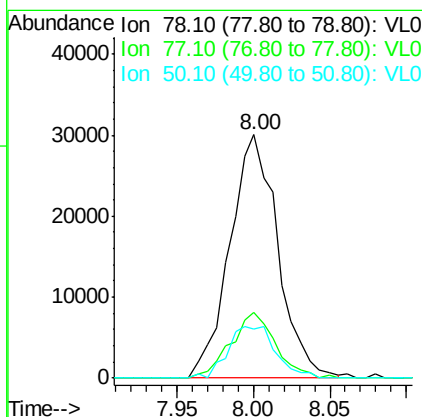
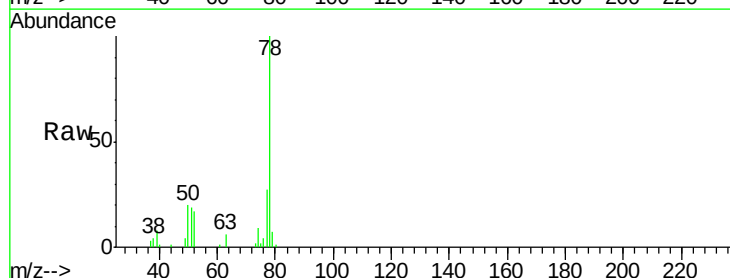
RT: 8.00 min Scan# 806

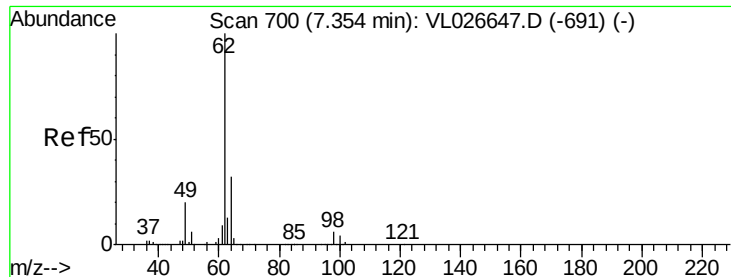
Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:	78	Resp:	65424
Ion	Ratio	Lower	Upper
78	100		
77	27.2	18.5	27.7
50	20.2	15.4	23.2





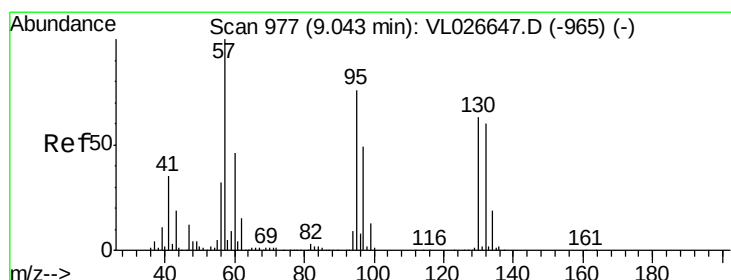
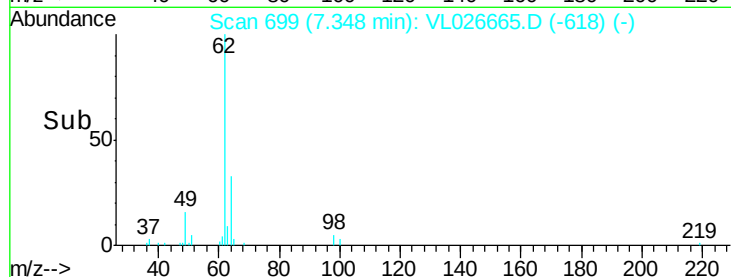
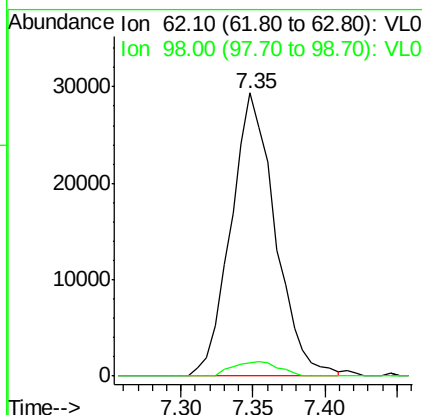
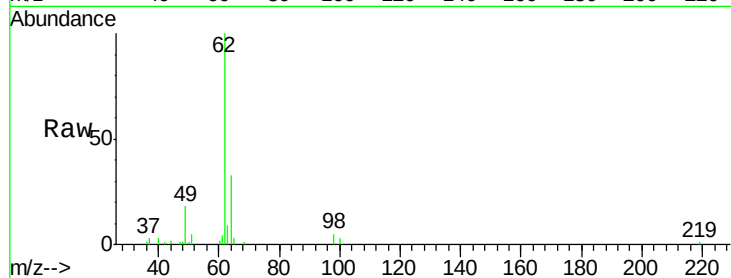
#37
 1,2-Dichloroethane
 Concen: 0.44 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	Ratio	Resp	Lower	Upper
62	100	62816		
98	5.2		4.8	7.2

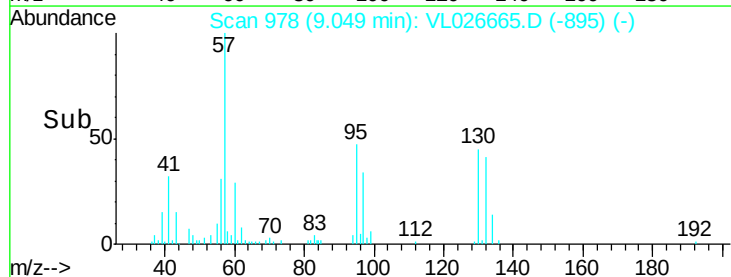
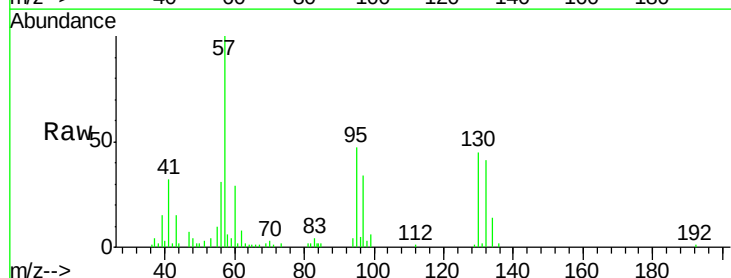
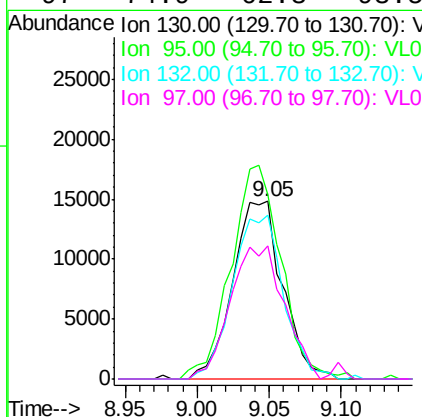
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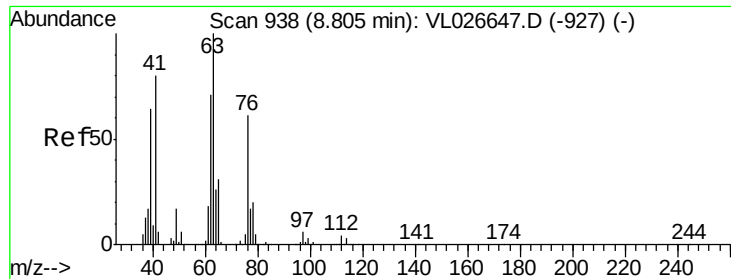
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#38
 Trichloroethene
 Concen: 0.38 ppbv
 RT: 9.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	35650		
95	101.6		96.6	145.0
132	92.0		76.2	114.4
97	74.9		62.3	93.5





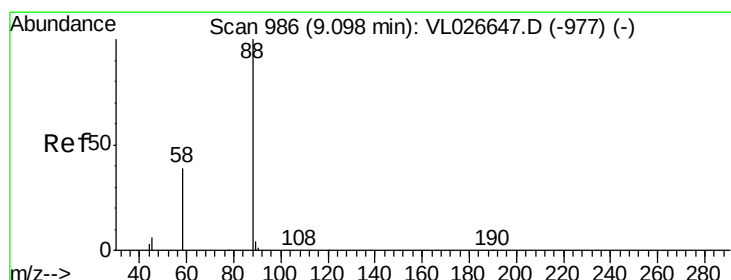
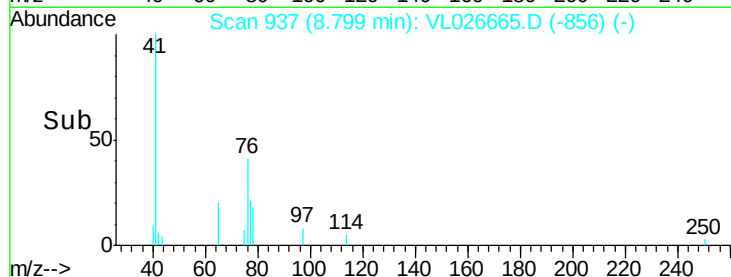
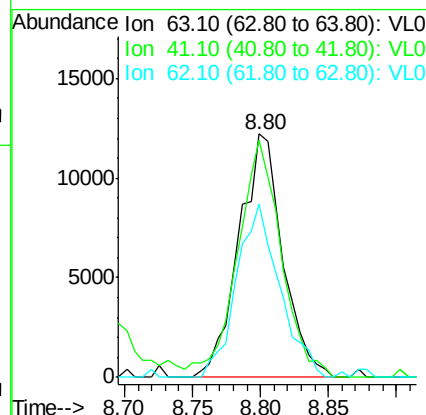
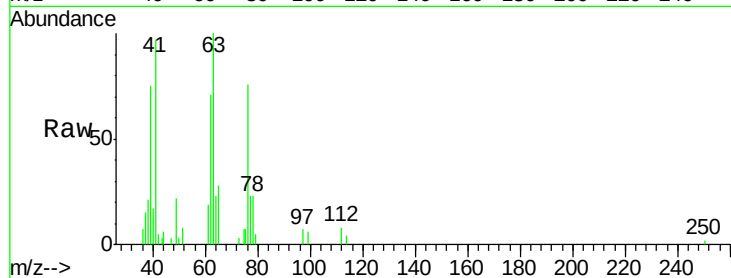
#39
 1,2-Dichloropropane
 Concen: 0.38 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
63	100		
41	97.2	64.1	96.1#
62	70.9	56.6	84.8

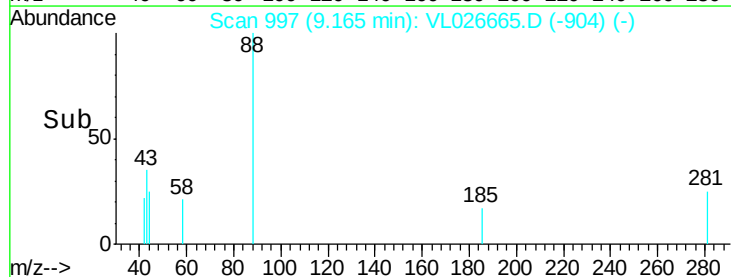
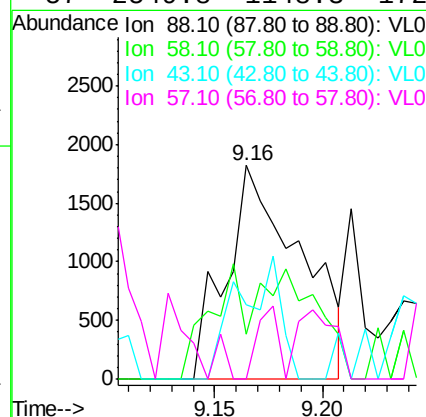
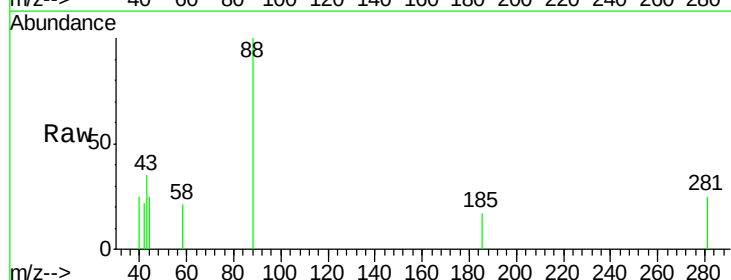
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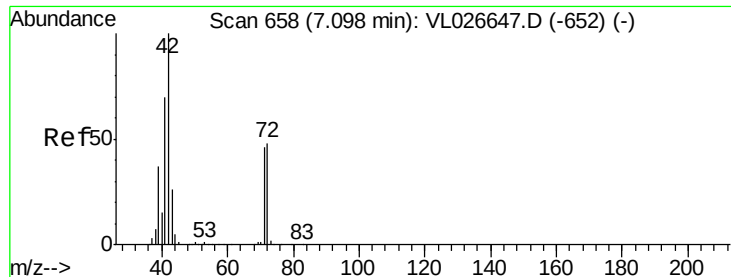
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#40
 1,4-Dioxane
 Concen: 0.26 ppbv m
 RT: 9.16 min Scan# 997
 Delta R.T. 0.07 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
88	100		
58	117.8	109.4	164.2
43	435.0	238.2	357.2#
57	2549.8	1148.3	1722.5#





#41

Tetrahydrofuran

Concen: 0.28 ppbv m

RT: 7.15 min Scan# 666

Delta R.T. 0.05 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

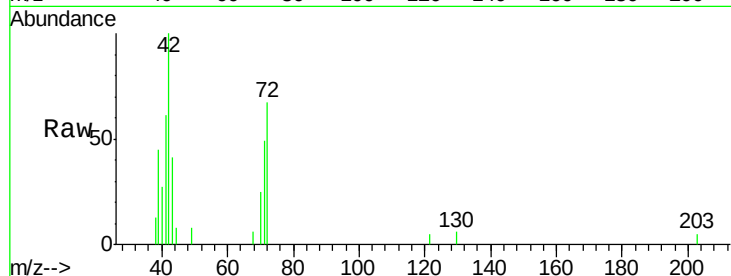
ClientSampleId :

MDL-AIR-7

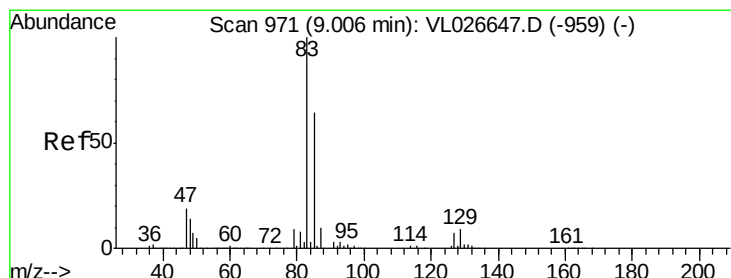
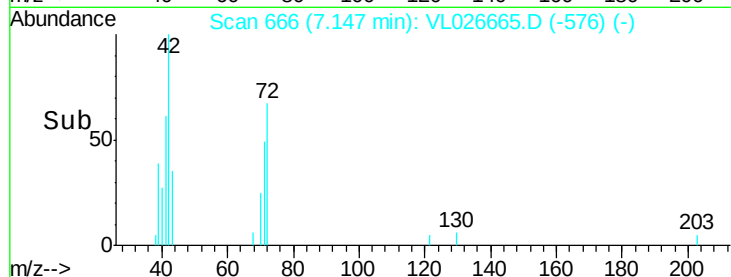
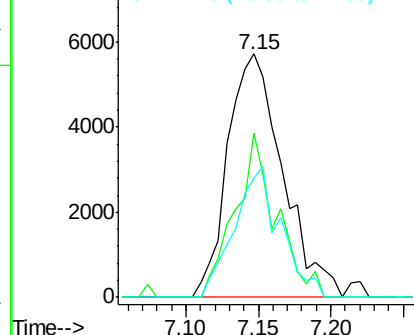
Tot Ion:	42	Resp:	15011
Ion Ratio		Lower	Upper
42	100		
72	50.8	40.6	60.8
71	45.1	38.4	57.6

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Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.42 ppbv

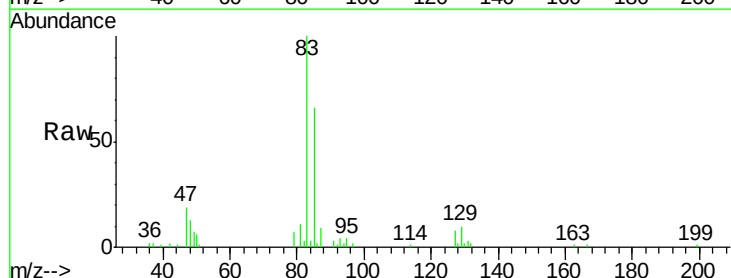
RT: 9.00 min Scan# 970

Delta R.T. -0.01 min

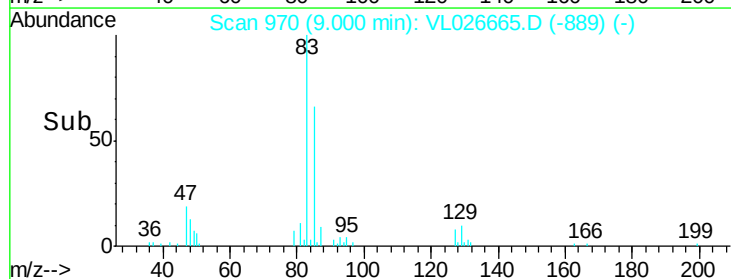
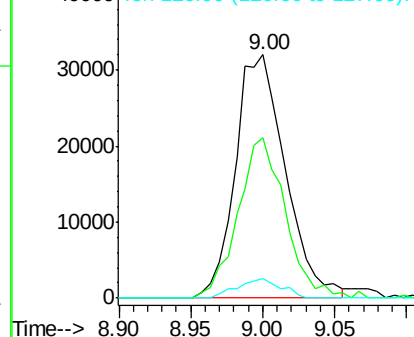
Lab File: VL026665.D

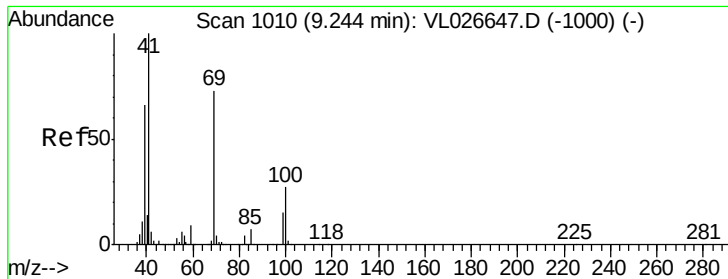
Acq: 9 Jan 2016 7:40

Tgt Ion:	83	Resp:	77208
Ion Ratio		Lower	Upper
83	100		
85	65.9	50.9	76.3
127	8.0	5.5	8.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





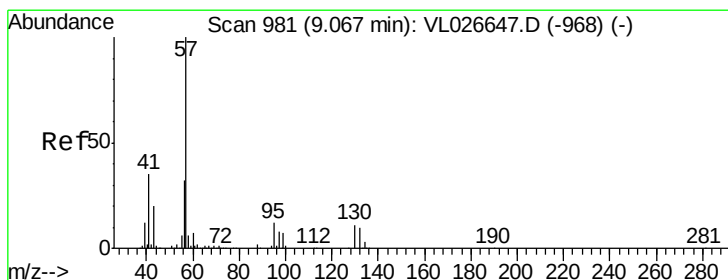
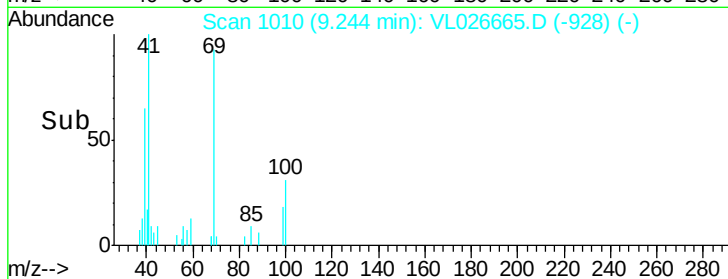
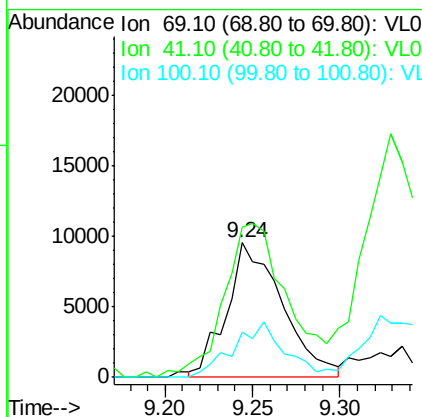
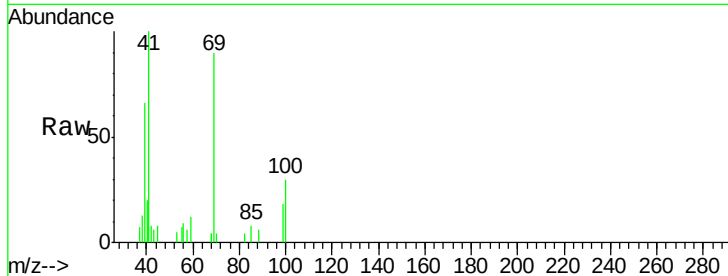
#43
Methyl Methacrylate
Concen: 0.28 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
69	100		
41	122.4	106.1	159.1
100	39.2	29.0	43.4

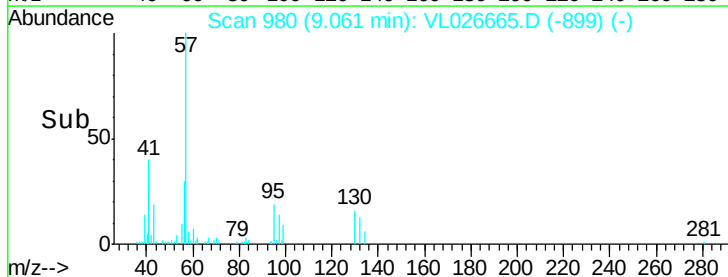
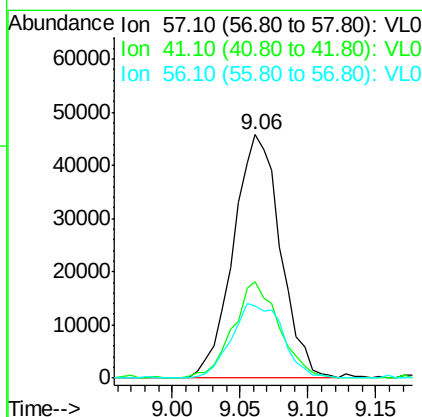
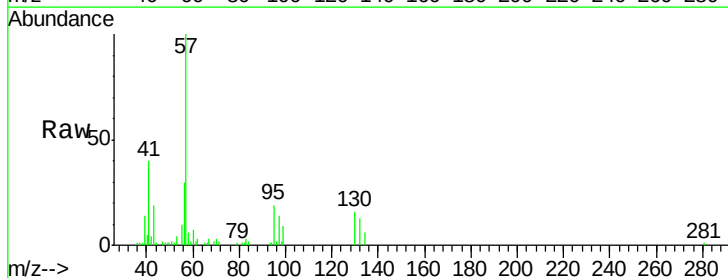
Manual Integrations
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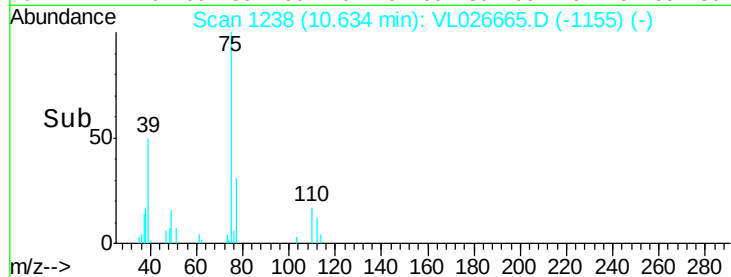
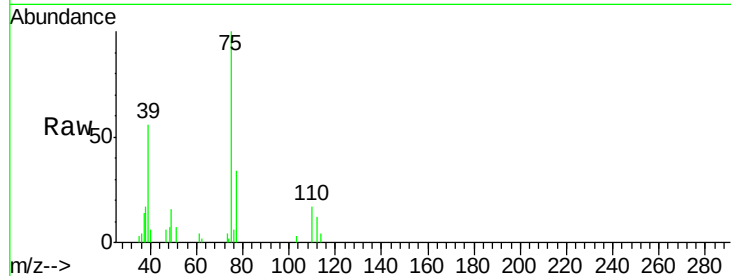
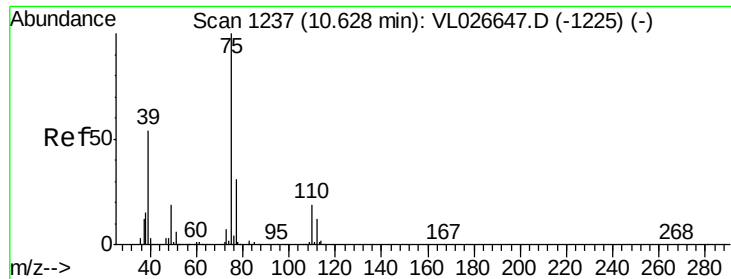
MMdadoda
1/14/2016 10:51:22 AM



#44
2,2,4-Trimethylpentane
Concen: 0.33 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.8	26.9	40.3
56	33.1	25.4	38.0





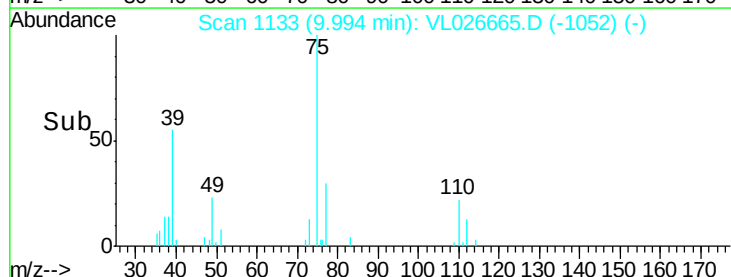
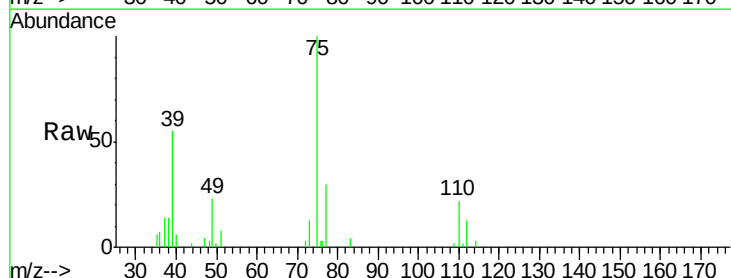
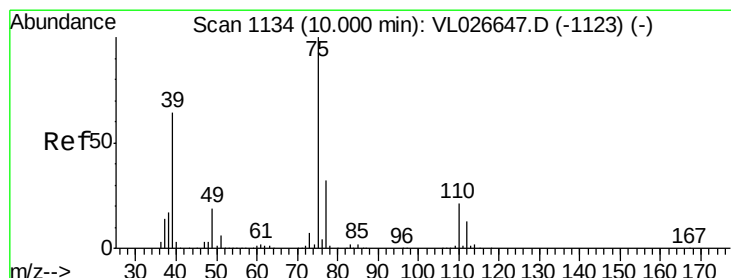
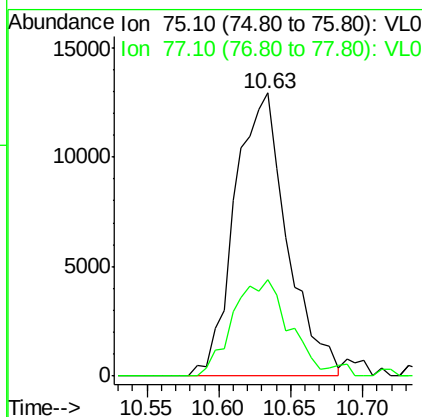
#45
t-1,3-Dichloropropene
Concen: 0.26 ppbv
RT: 10.63 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tot Ion: 75 Resp: 32699
Ion Ratio Lower Upper
75 100
77 34.1 24.6 37.0

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-7

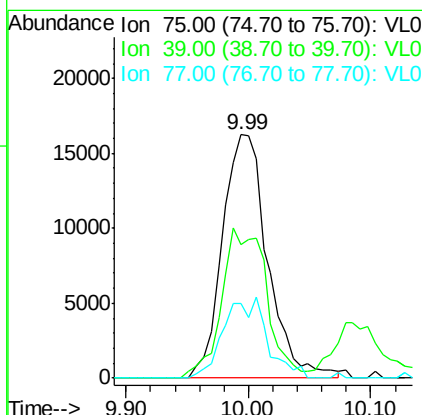
Manual Integrations
APPROVED

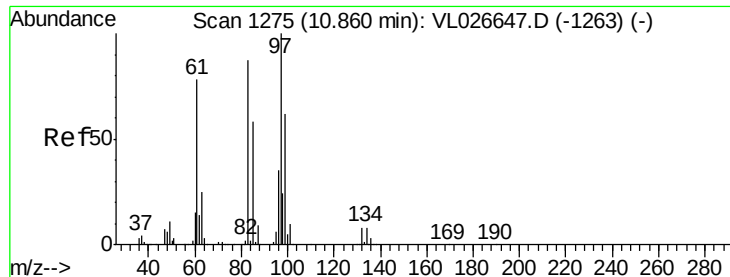
MMdadoda
1/14/2016 10:51:22 AM



#46
cis-1,3-Dichloropropene
Concen: 0.30 ppbv
RT: 9.99 min Scan# 1133
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 75 Resp: 41647
Ion Ratio Lower Upper
75 100
39 52.4 51.2 76.8
77 30.5 25.9 38.9





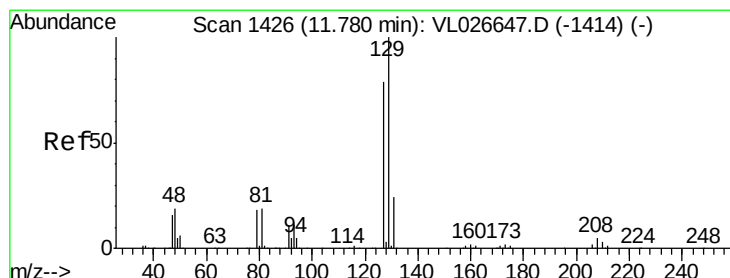
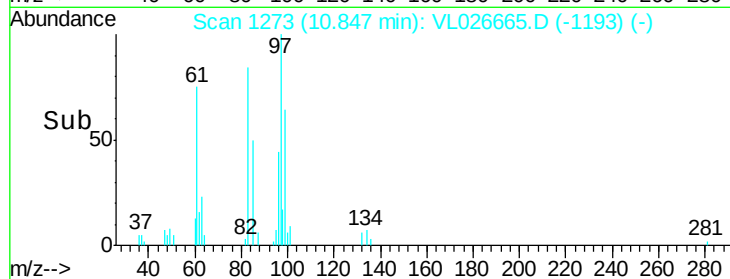
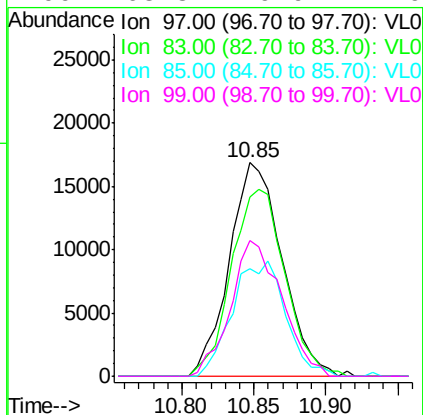
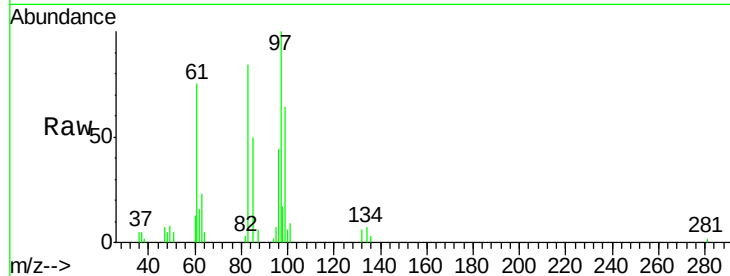
#47
 1,1,2-Trichloroethane
 Concen: 0.42 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		42892		
83	83.9	69.5	104.3		
85	50.2	46.4	69.6		
99	63.8	49.9	74.9		

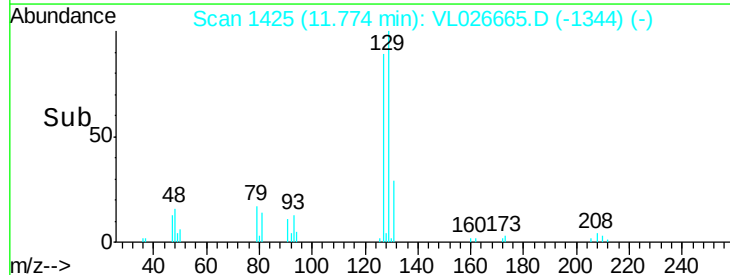
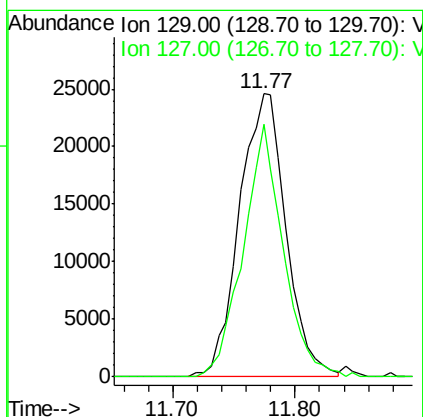
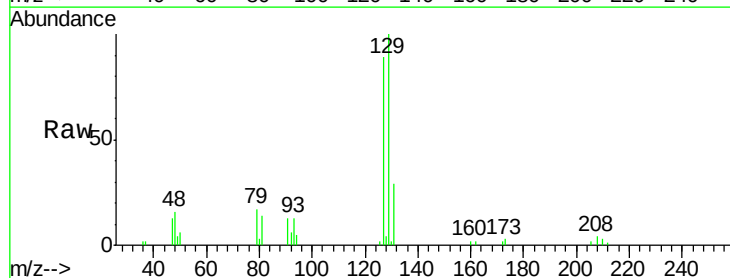
Manual Integrations
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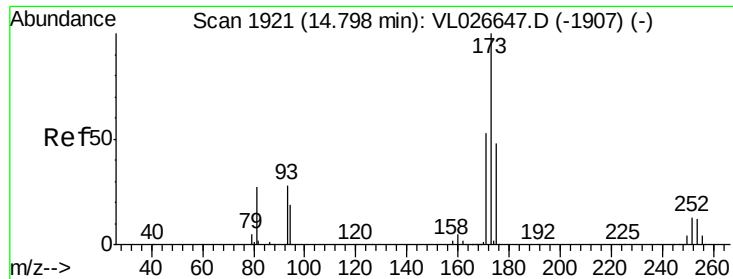
MMdadoda
 1/14/2016 10:51:22 AM



#48
 Dibromochloromethane
 Concen: 0.42 ppbv
 RT: 11.77 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		64885		
127	77.0	39.5	118.5		





#49

Bromoform

Concen: 0.40 ppbv m

RT: 14.78 min Scan# 1918

Delta R.T. -0.02 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

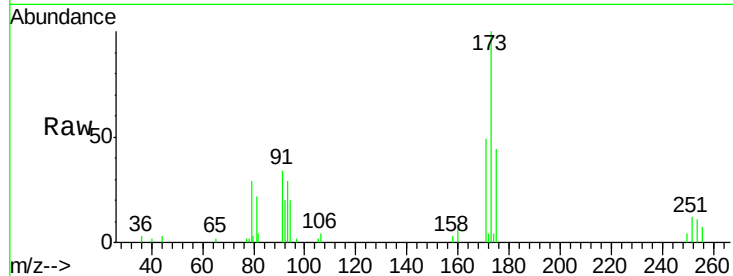
ClientSampled :

MDL-AIR-7

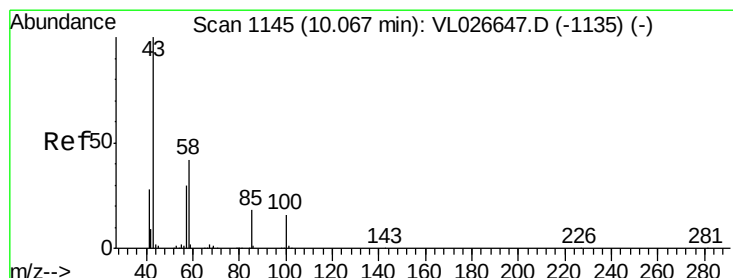
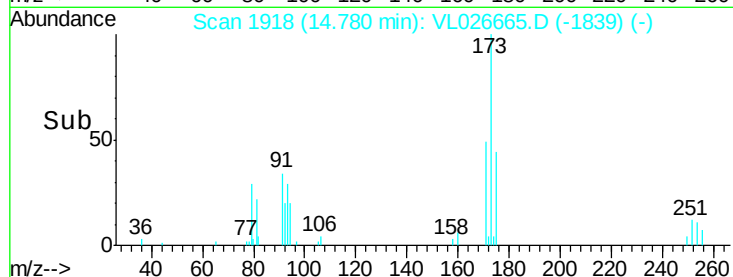
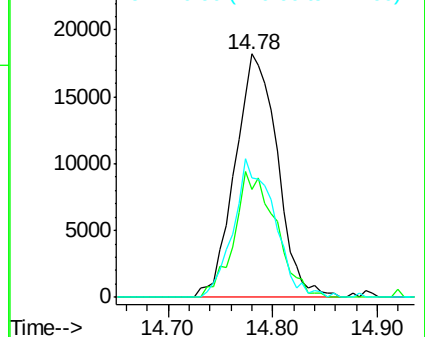
Tot Ion:	173	Resp:	51229
Ion	Ratio	Lower	Upper
173	100		
175	50.3	38.6	58.0
171	54.7	41.5	62.3

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



#50

4-Methyl-2-Pentanone

Concen: 0.28 ppbv m

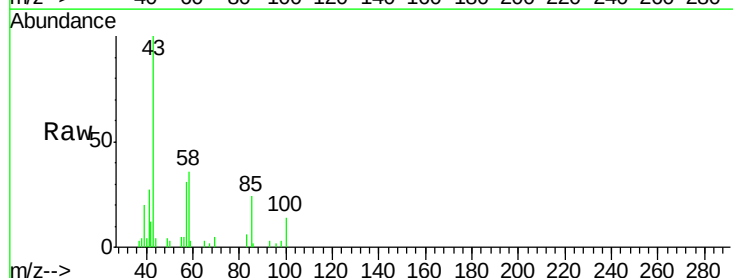
RT: 10.09 min Scan# 1149

Delta R.T. 0.02 min

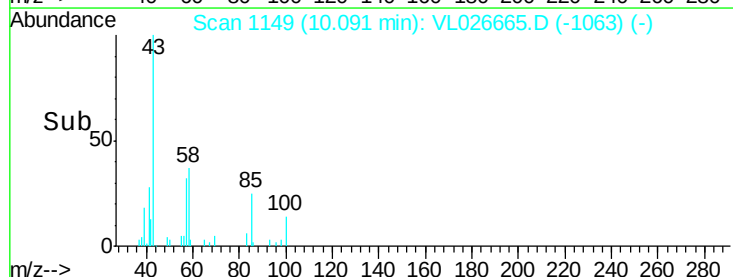
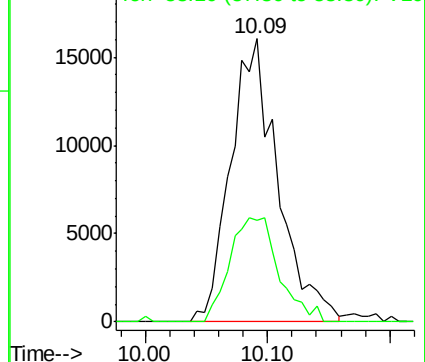
Lab File: VL026665.D

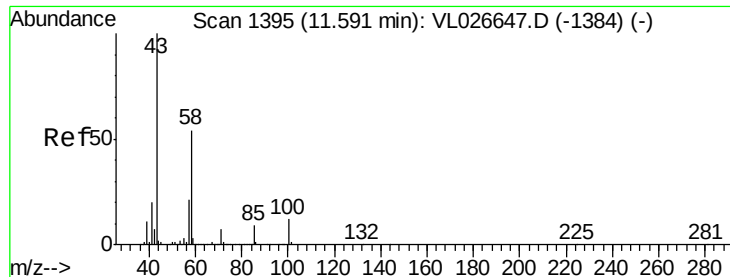
Acq: 9 Jan 2016 7:40

Tgt Ion:	43	Resp:	43138
Ion	Ratio	Lower	Upper
43	100		
58	38.3	32.4	48.6



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





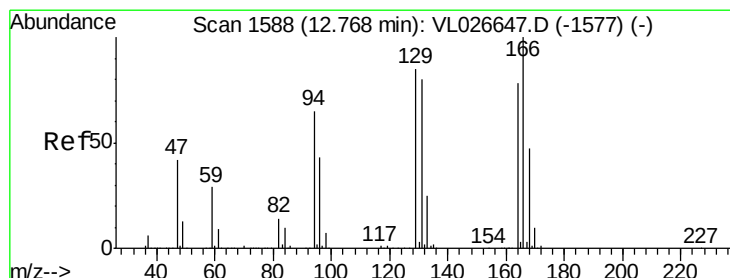
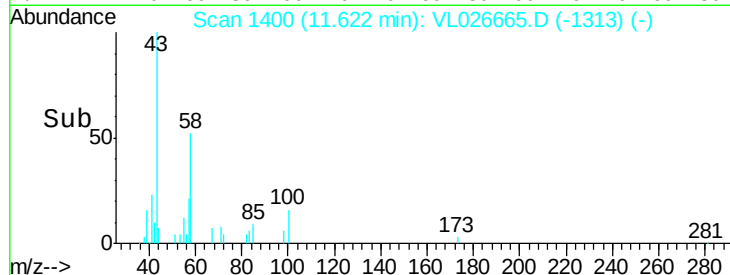
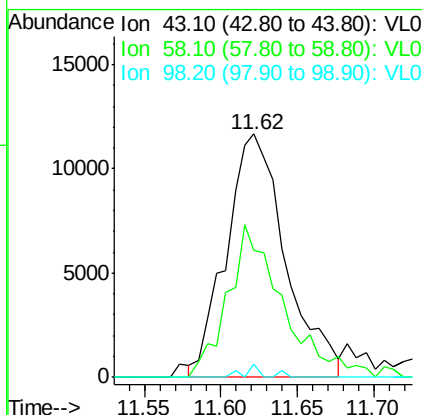
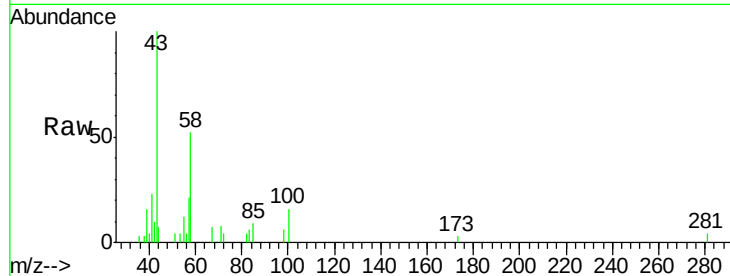
#51
2-Hexanone
Concen: 0.22 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.03 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.9	44.9	67.3
98	1.5	0.2	0.2#

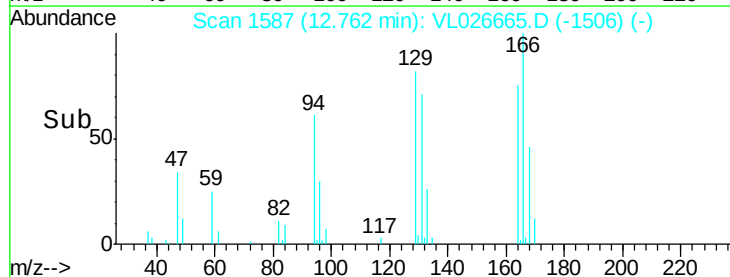
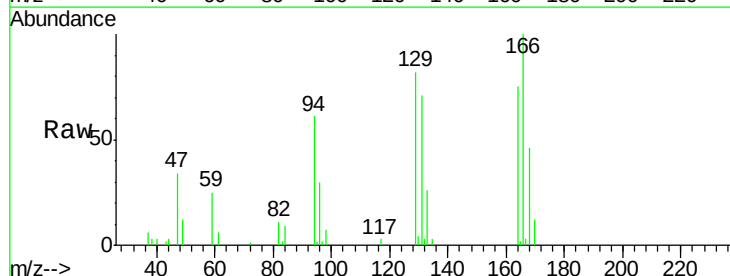
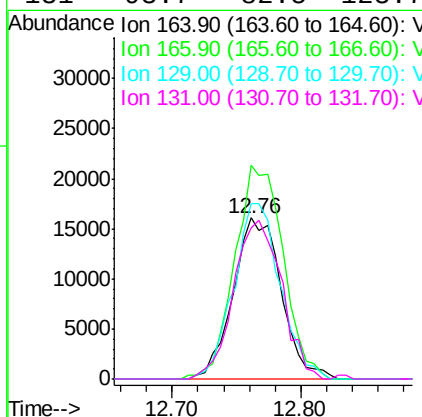
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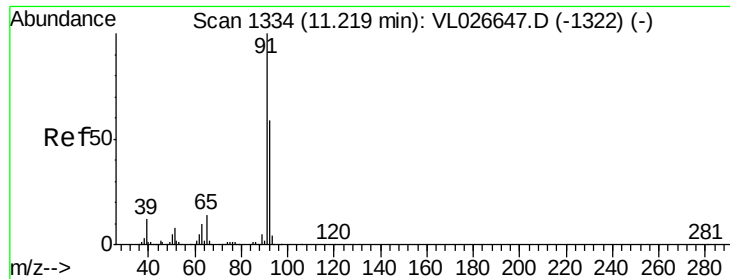
MMdadoda
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#52
Tetrachloroethene
Concen: 0.40 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.8	102.5	153.7
129	109.1	87.0	130.6
131	93.7	82.5	123.7





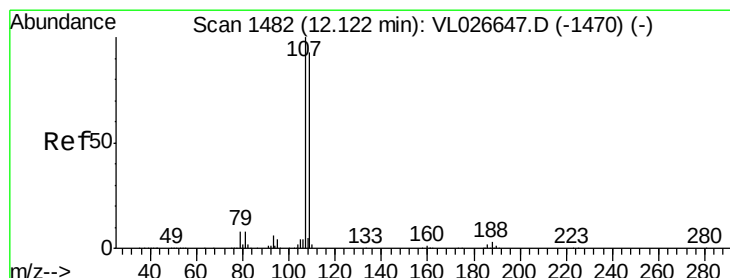
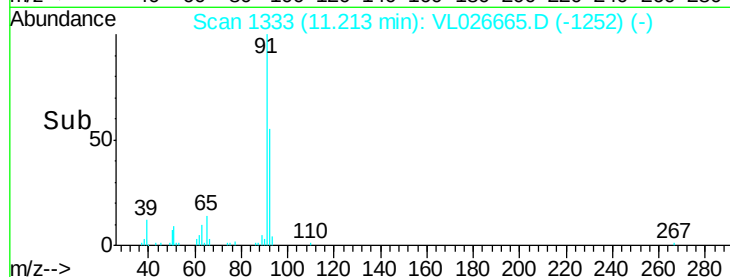
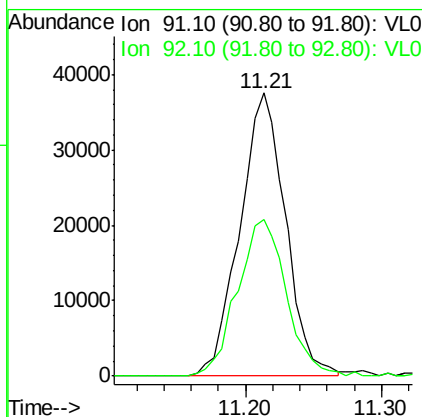
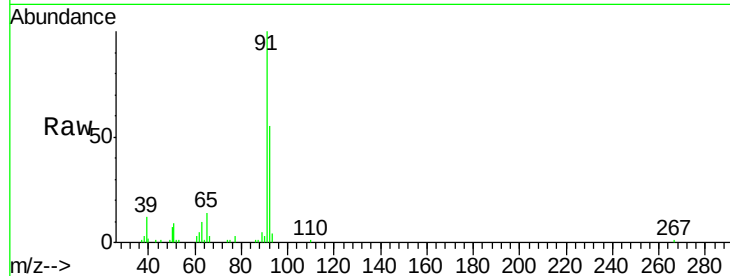
#53
Toluene
Concen: 0.30 ppbv
RT: 11.21 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion: 91 Resp: 88307
Ion Ratio Lower Upper
91 100
92 59.2 48.2 72.4

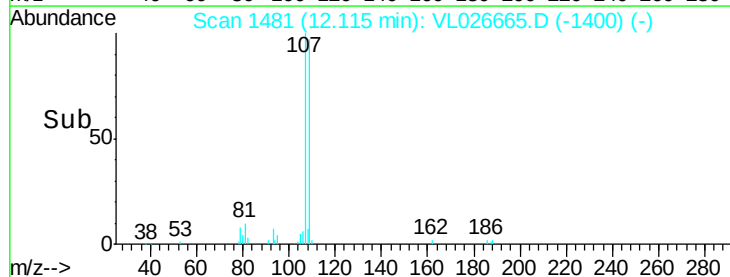
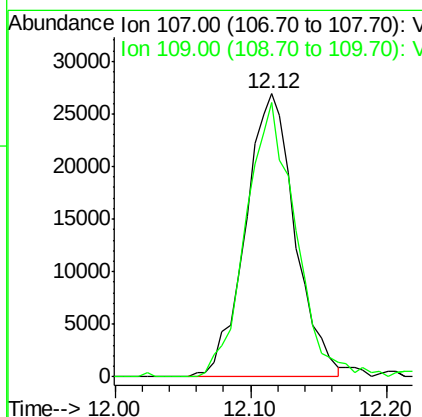
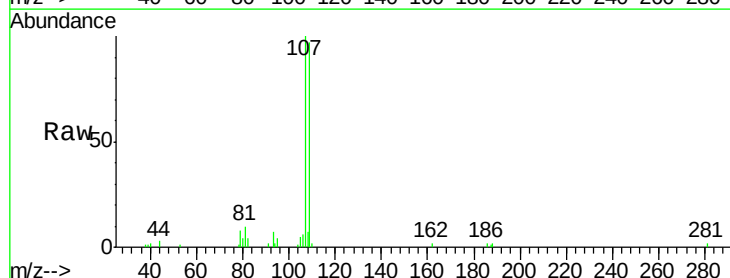
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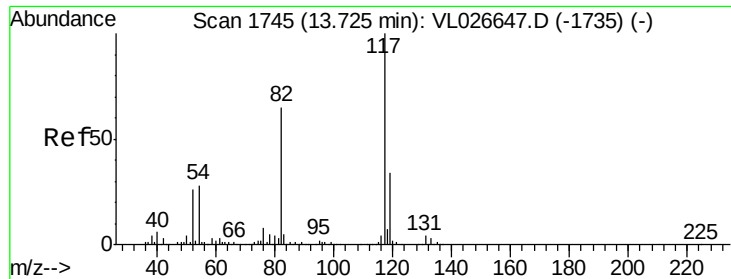
MMdadoda
1/14/2016 10:51:22 AM



#54
1,2-Dibromoethane
Concen: 0.42 ppbv
RT: 12.12 min Scan# 1481
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 107 Resp: 68388
Ion Ratio Lower Upper
107 100
109 97.0 74.1 111.1





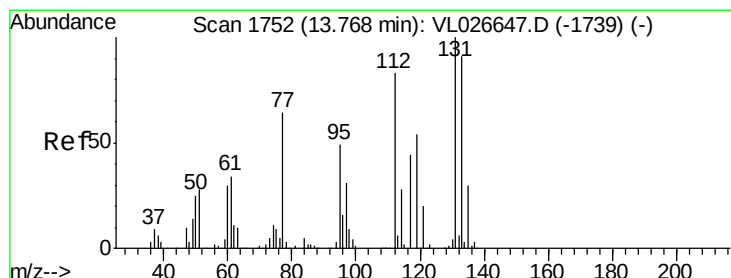
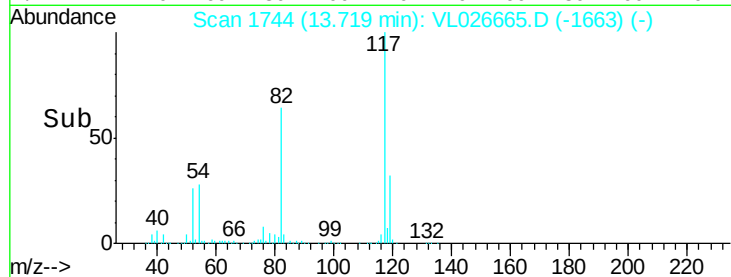
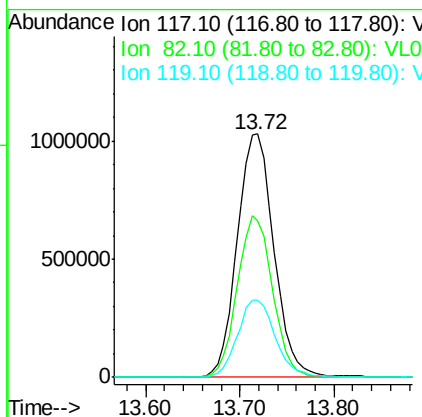
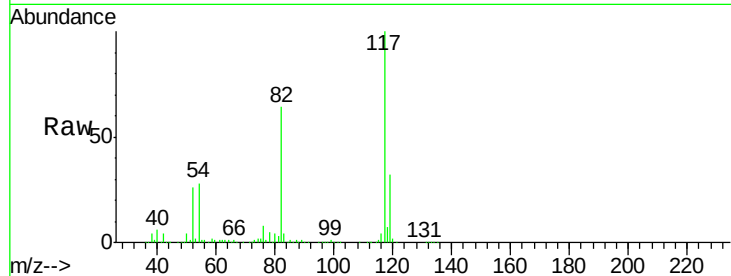
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	49.7	74.5
119	33.2	43.8	65.8#

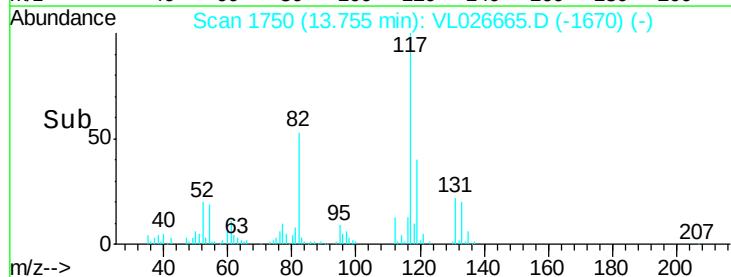
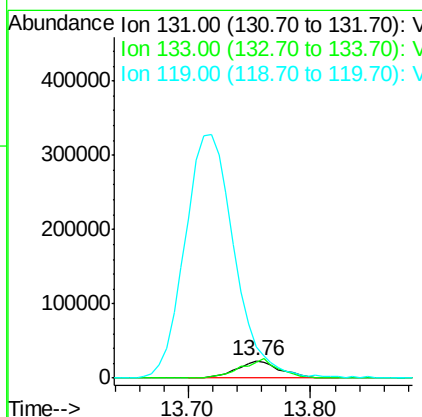
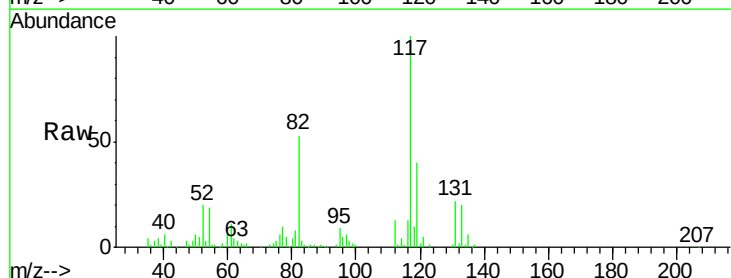
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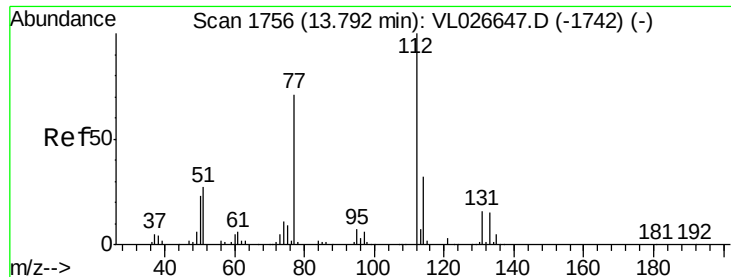
MMdadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.45 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	76.2	114.4
119	1608.8	104.3	156.5#





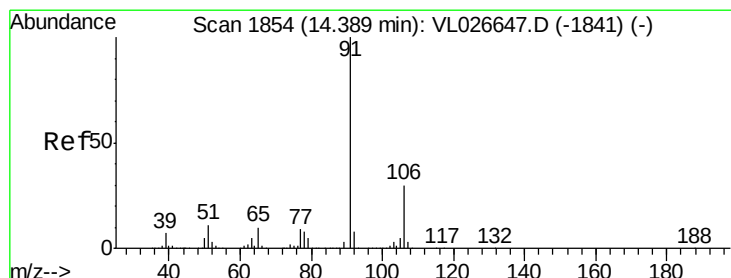
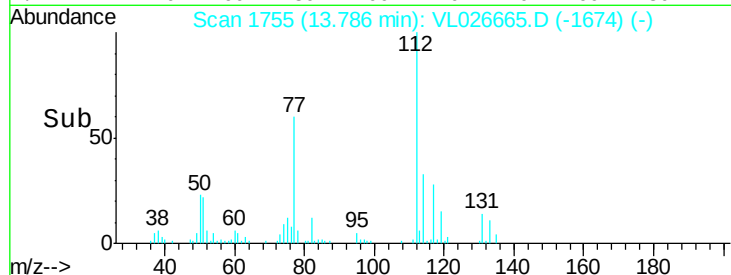
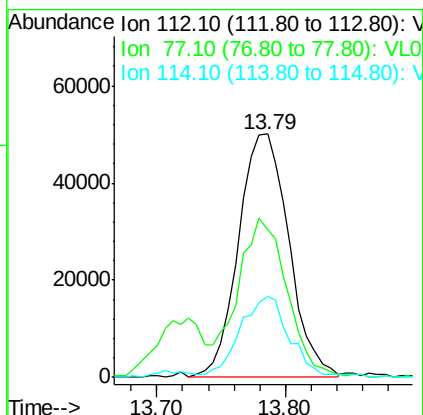
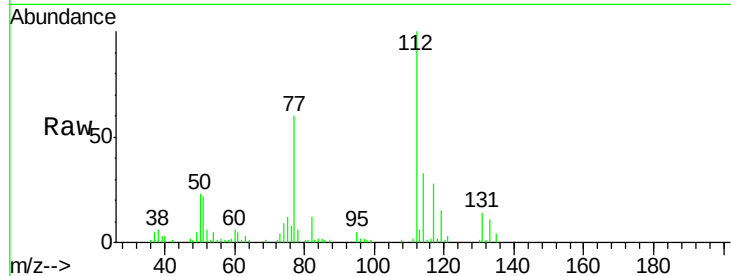
#57
Chlorobenzene
Concen: 0.47 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion	Ratio	Resp Lower	Upper
112	100		
77	59.1	56.9	85.3
114	32.1	28.8	35.2

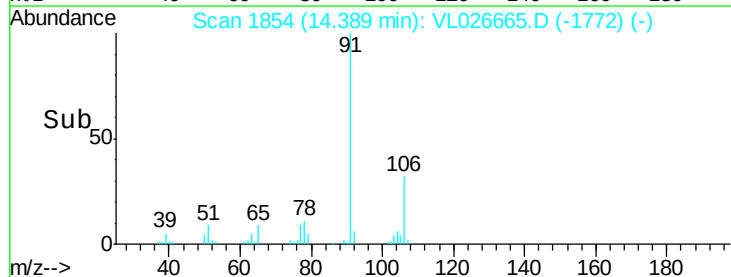
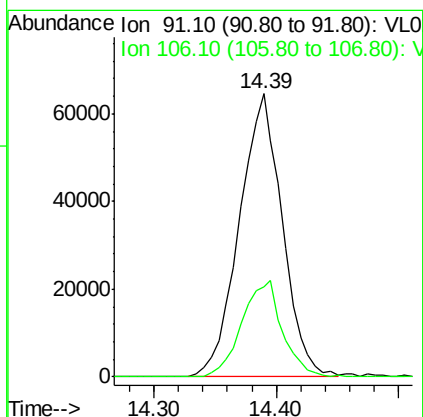
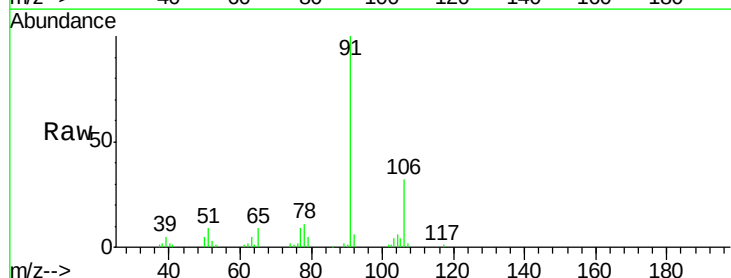
Manual Integrations
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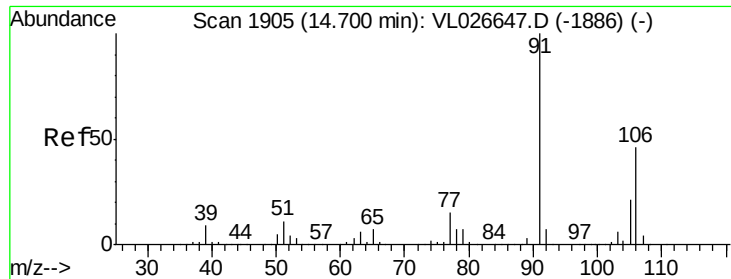
MMdadoda
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#58
Ethyl Benzene
Concen: 0.31 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
106	32.0	23.8	35.6





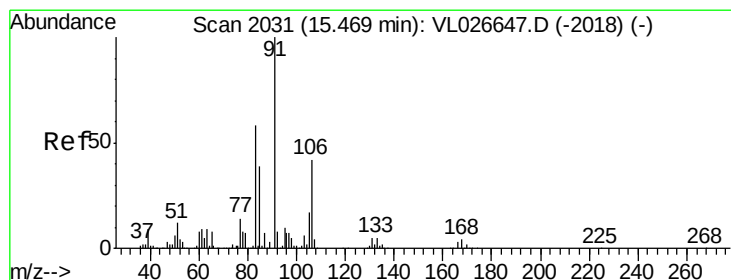
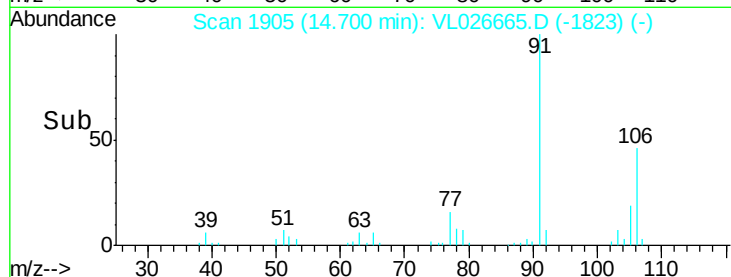
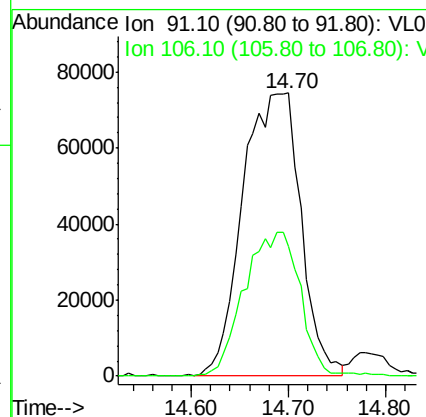
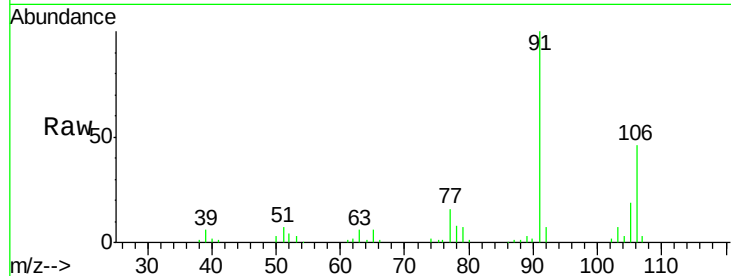
#59
m/p-Xylene
Concen: 0.75 ppbv m
RT: 14.70 min Scan# 1905
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-7

Tot Ion: 91 Resp: 308291
Ion Ratio Lower Upper
91 100
106 49.0 36.6 55.0

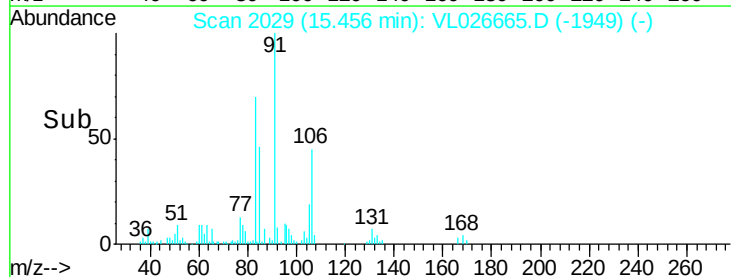
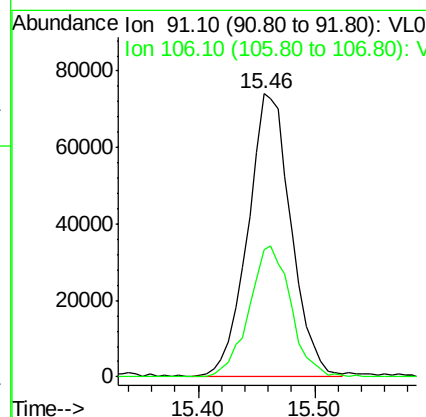
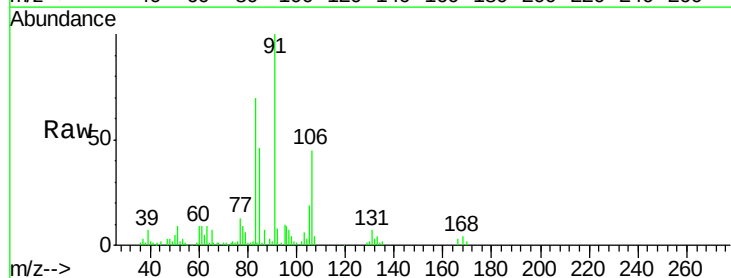
Manual Integrations
APPROVED

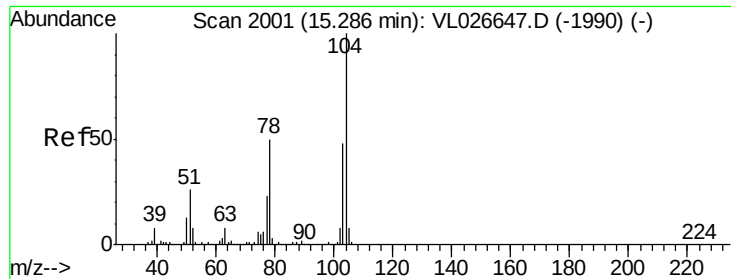
MMdadoda
1/14/2016 10:51:22 AM



#60
o-Xylene
Concen: 0.43 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion: 91 Resp: 192004
Ion Ratio Lower Upper
91 100
106 44.5 21.5 64.5





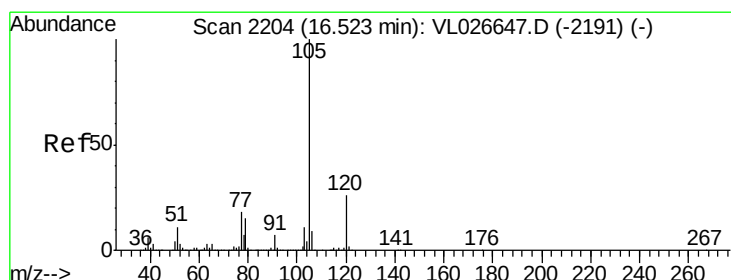
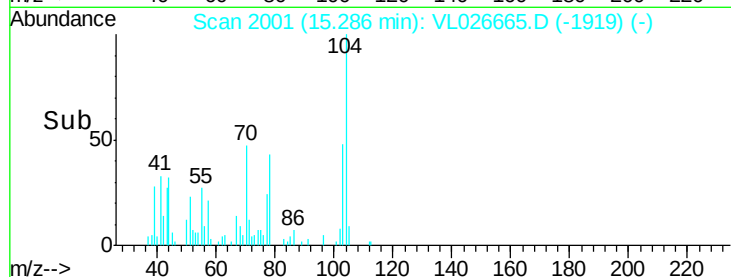
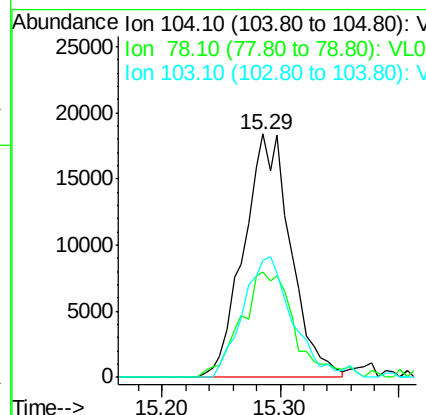
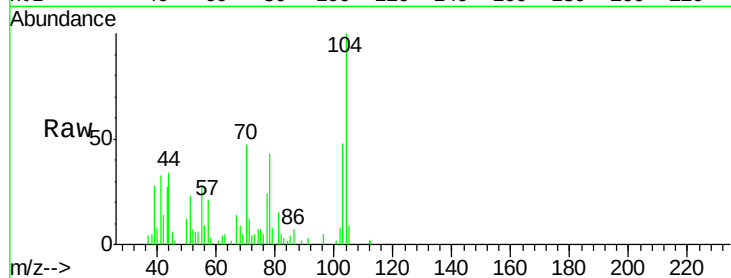
#61
Stvrene
Concen: 0.29 ppbv m
RT: 15.29 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.6	59.4
103	0.0	37.8	56.6#

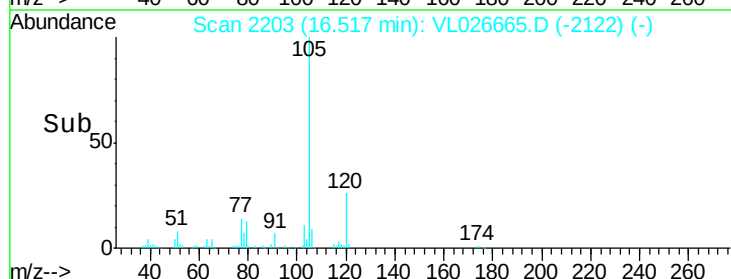
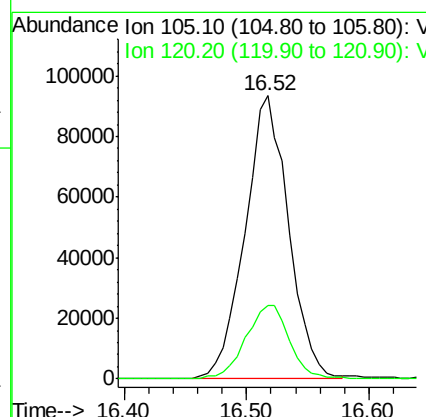
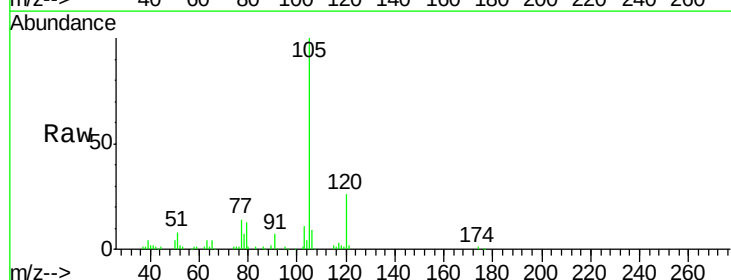
Manual Integrations
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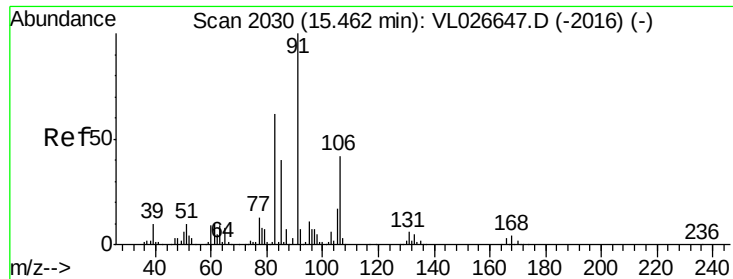
MMdadoda
1/14/2016 10:51:22 AM



#62
Isopropylbenzene
Concen: 0.39 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026665.D
Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	20.3	30.5





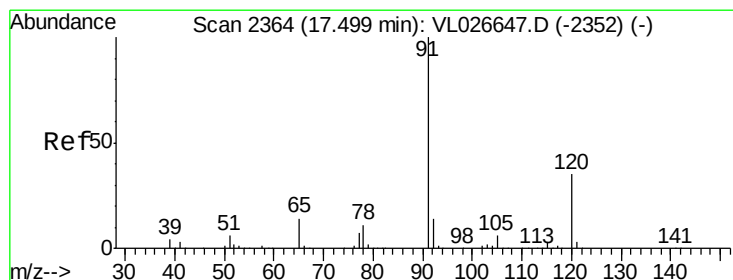
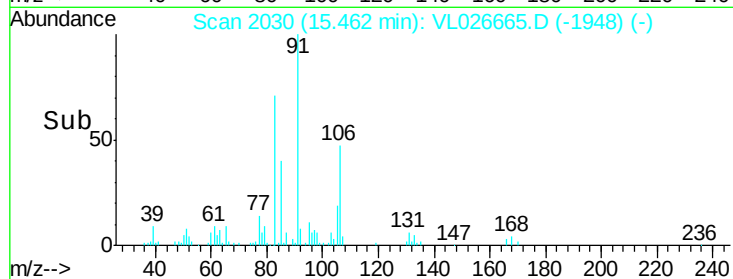
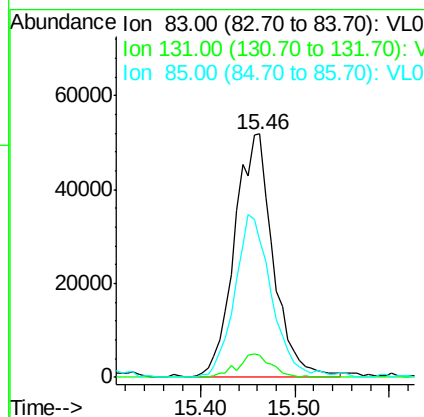
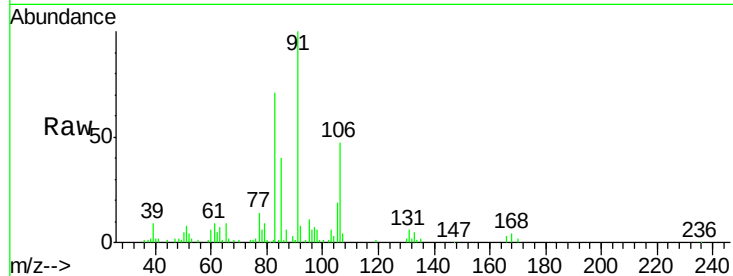
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.45 ppbv
 RT: 15.46 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	83	Resp	148773
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.5	13.4
85	64.2	32.6	97.7

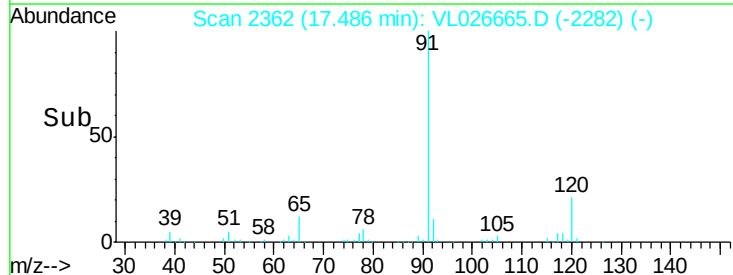
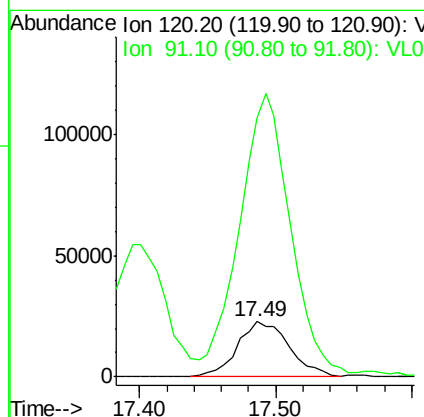
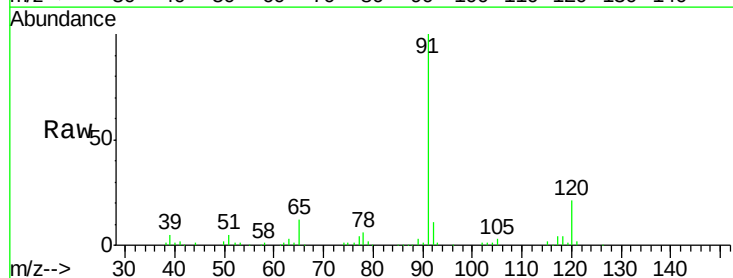
Manual Integrations
 APPROVED

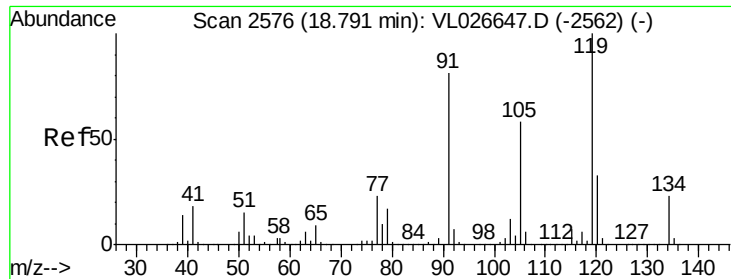
MMdadoda
 1/14/2016 10:51:22 AM



#64
 n-propylbenzene
 Concen: 0.38 ppbv
 RT: 17.49 min Scan# 2362
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	120	Resp	61012
Ion	Ratio	Lower	Upper
120	100		
91	505.4	375.8	563.6





#65

tert-Butylbenzene

Concen: 0.42 ppbv

RT: 18.78 min Scan# 2575

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

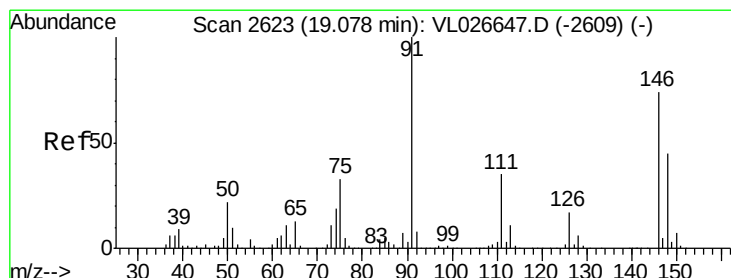
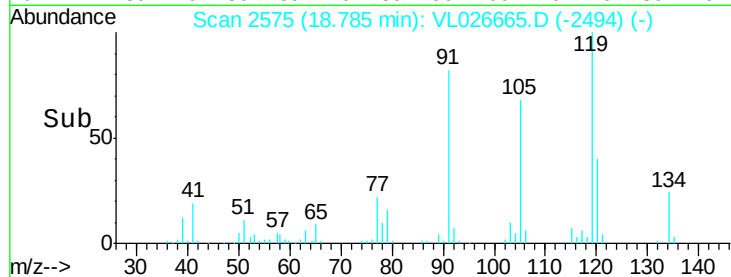
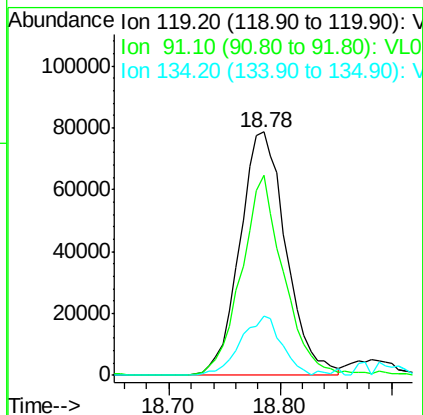
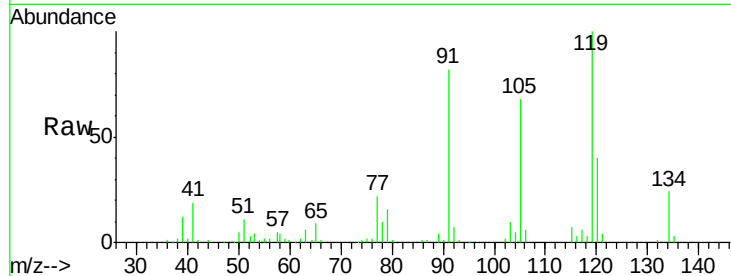
ClientSampled :

MDL-AIR-7

Tot Ion:	119	Resp:	227628
Ion Ratio	Lower	Upper	
119	100		
91	76.2	64.8	97.2
134	21.6	17.4	26.0

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.34 ppbv m

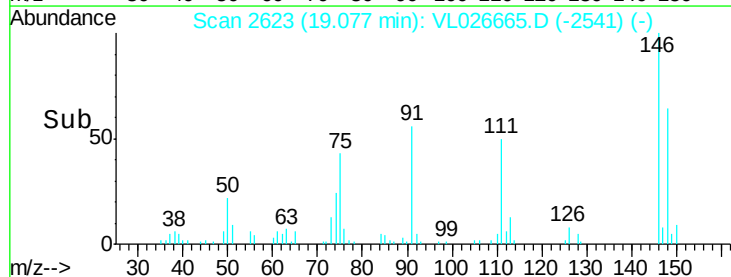
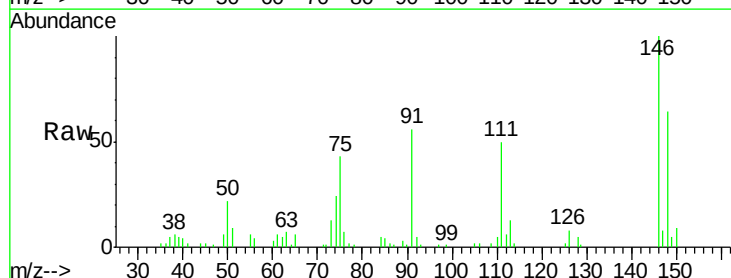
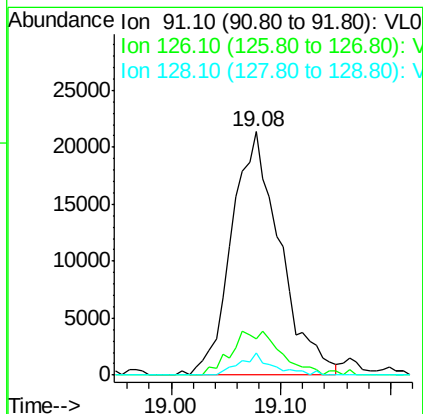
RT: 19.08 min Scan# 2623

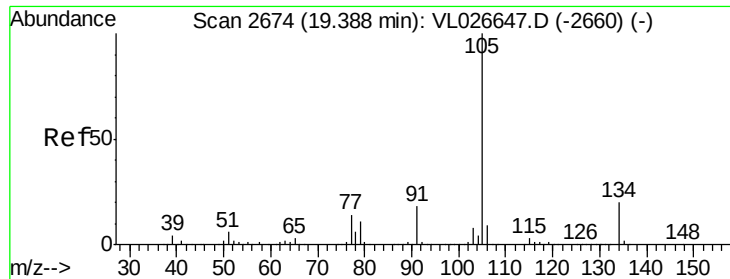
Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:	91	Resp:	65462
Ion Ratio	Lower	Upper	
91	100		
126	18.6	14.2	21.2
128	6.2	4.5	6.7





#67

sec-Butylbenzene

Concen: 0.41 ppbv

RT: 19.38 min Scan# 2673

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-7

Tot Ion: 105 Resp: 329132

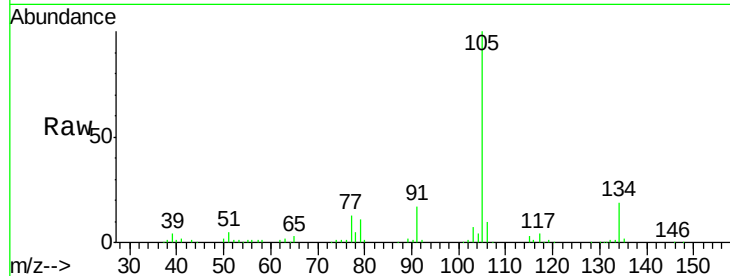
Ion Ratio Lower Upper

105 100

134 18.2 14.9 22.3

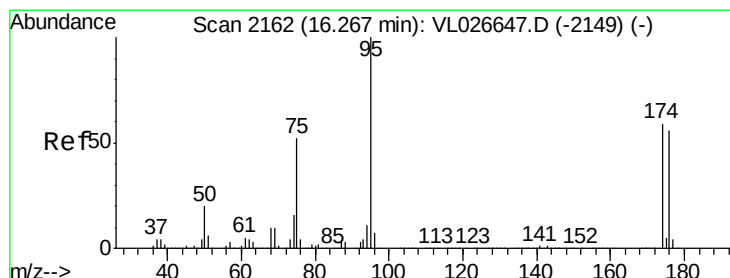
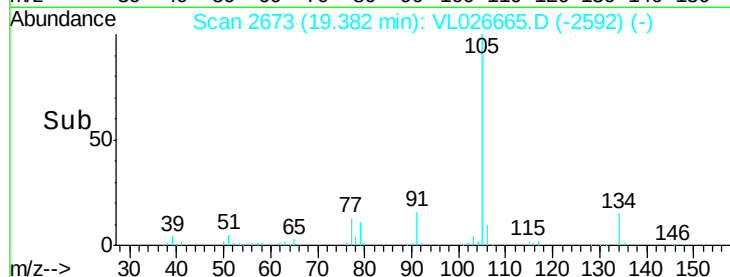
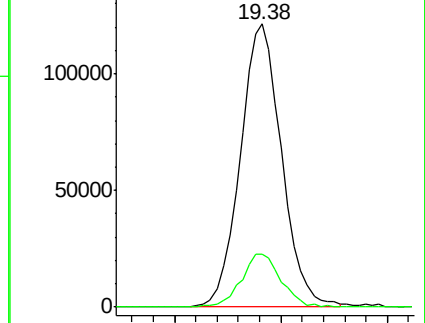
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.40 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

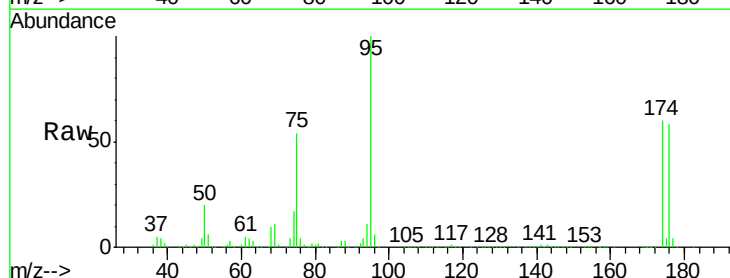
Tgt Ion: 95 Resp: 2325779

Ion Ratio Lower Upper

95 100

174 61.3 47.8 71.8

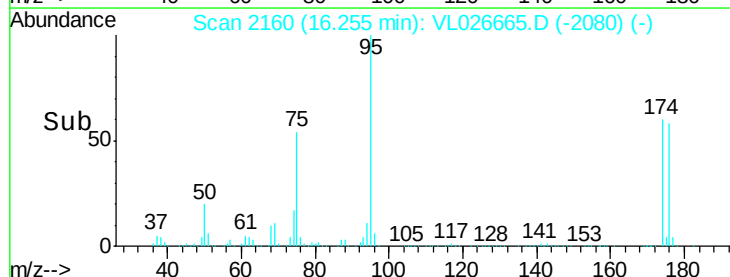
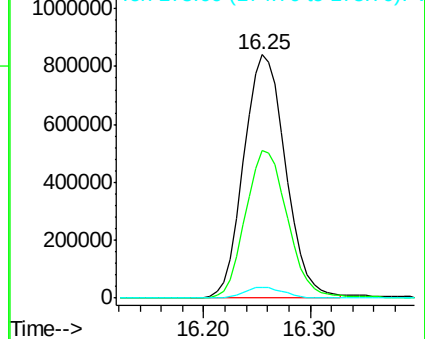
175 4.4 3.6 5.4

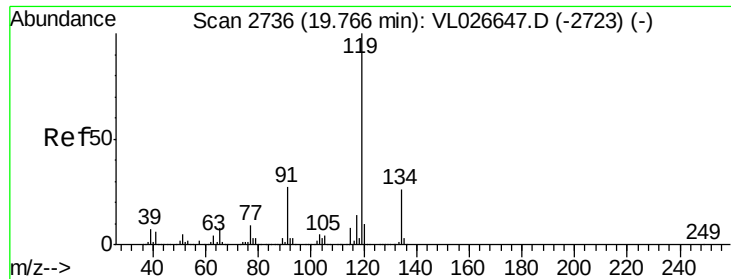


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





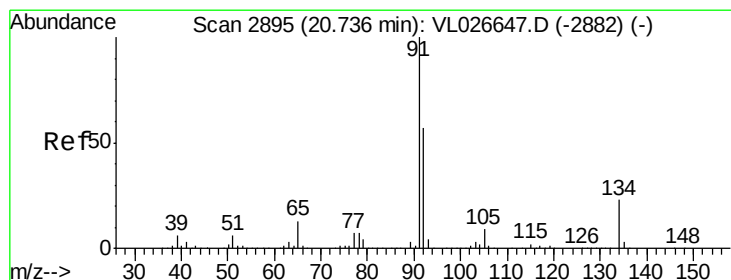
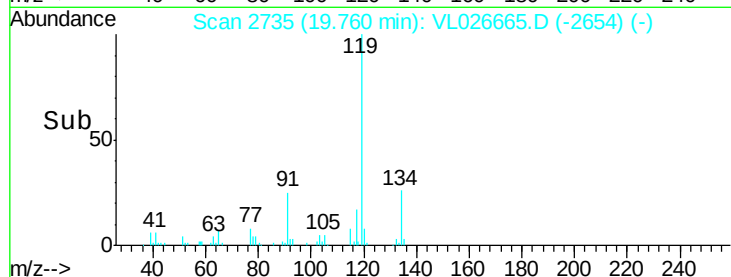
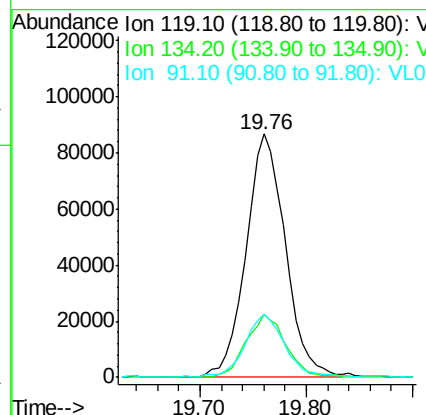
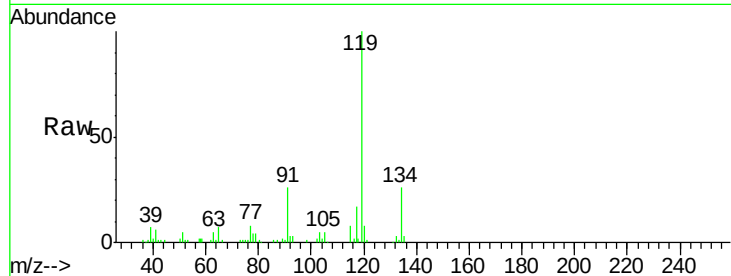
#69
 p-Isopropyltoluene
 Concen: 0.37 ppbv
 RT: 19.76 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-7

Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	26.0	20.6	31.0
91	26.5	21.7	32.5

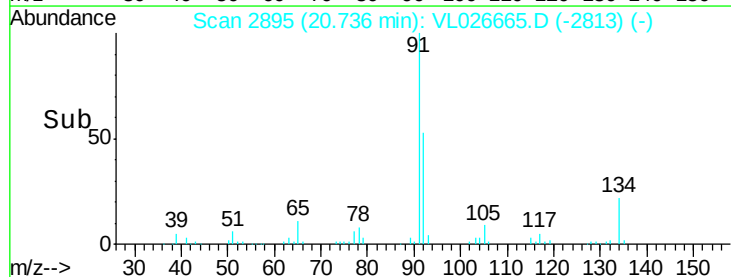
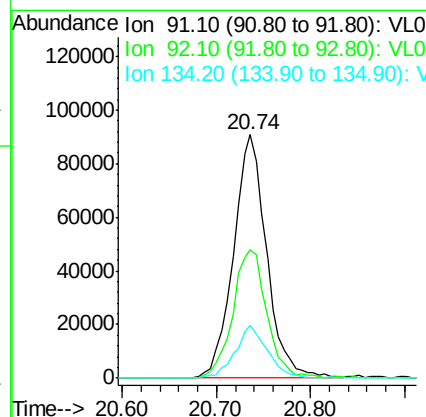
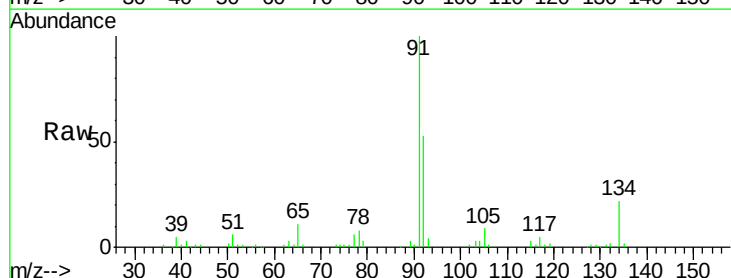
Manual Integrations
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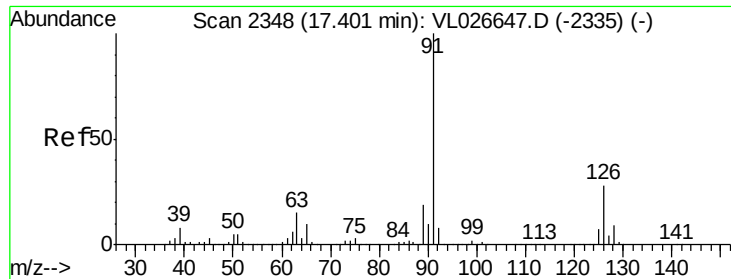
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#70
 n-Butylbenzene
 Concen: 0.35 ppbv
 RT: 20.74 min Scan# 2895
 Delta R.T. -0.00 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	54.7	45.0	67.4
134	21.0	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: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-7

Tot Ion: 91 Resp: 152372

Ion Ratio Lower Upper

91 100

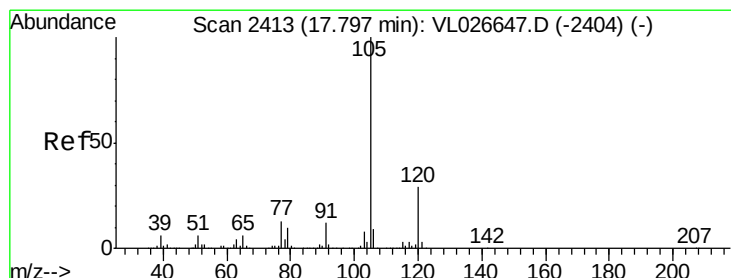
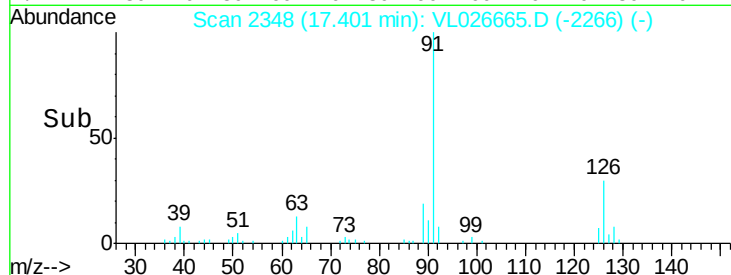
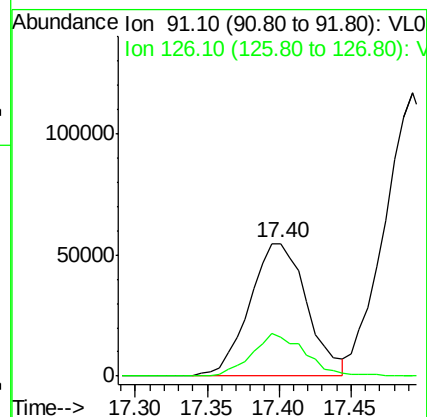
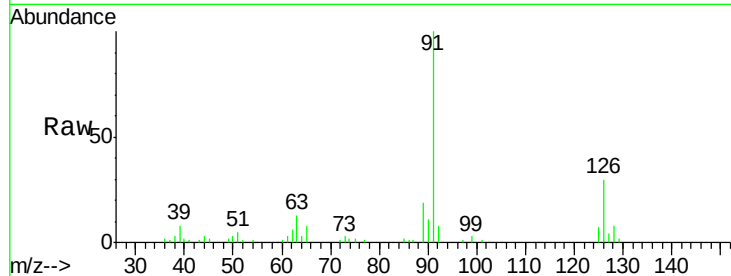
126 30.0 11.4 45.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 0.34 ppbv

RT: 17.80 min Scan# 2413

Delta R.T. -0.00 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion: 105 Resp: 172012

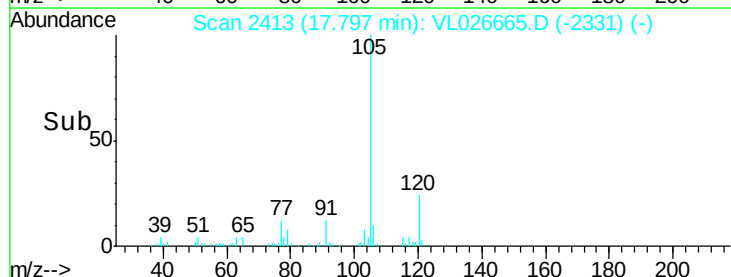
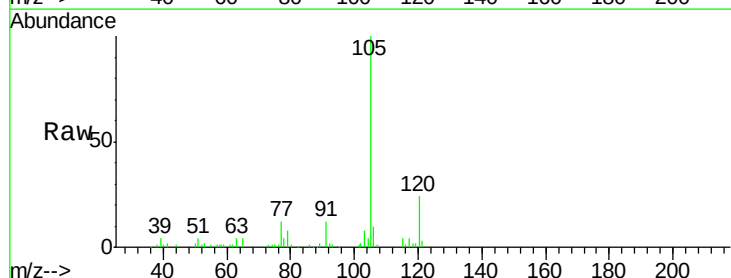
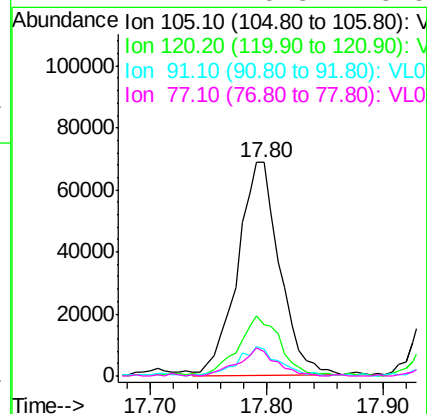
Ion Ratio Lower Upper

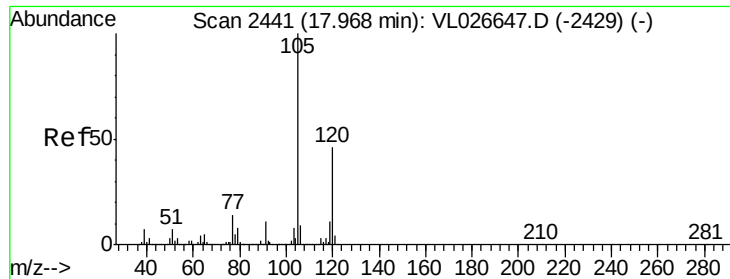
105 100

120 30.1 23.7 35.5

91 14.3 9.7 14.5

77 12.1 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 0.37 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-7

Tot Ion:105 Resp: 175358

Ion Ratio Lower Upper

105 100

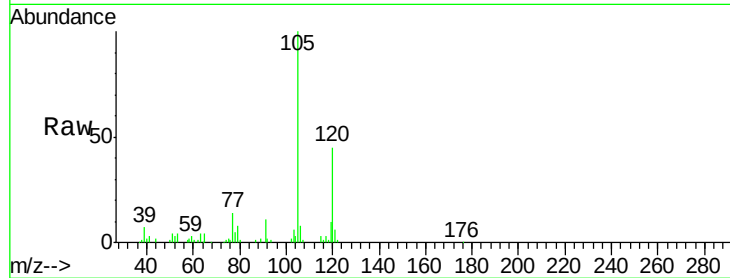
120 45.8 36.6 54.8

Manual Integrations

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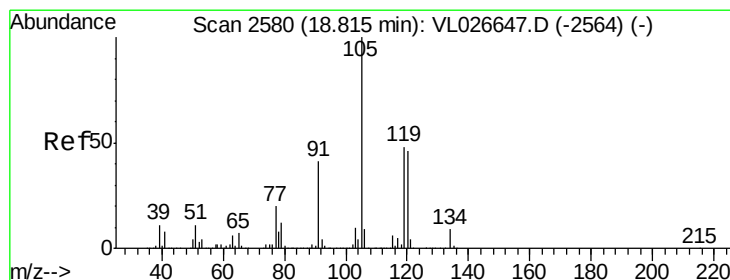
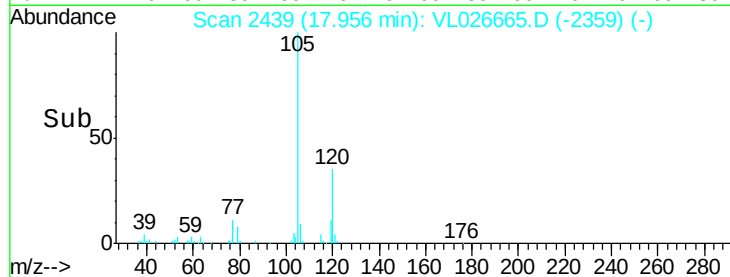
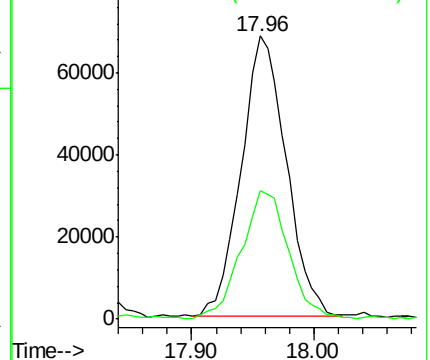
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.44 ppbv

RT: 18.80 min Scan# 2577

Delta R.T. -0.02 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:105 Resp: 222754

Ion Ratio Lower Upper

105 100

120 45.6 36.6 55.0

91 46.7 32.5 48.7

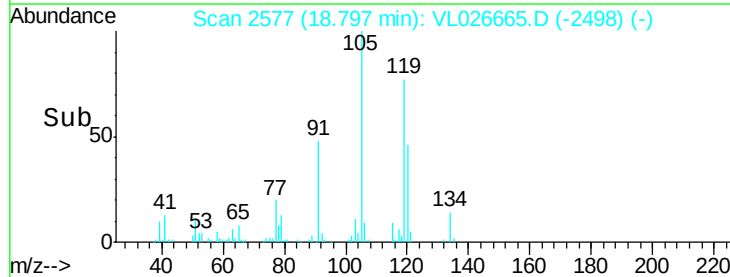
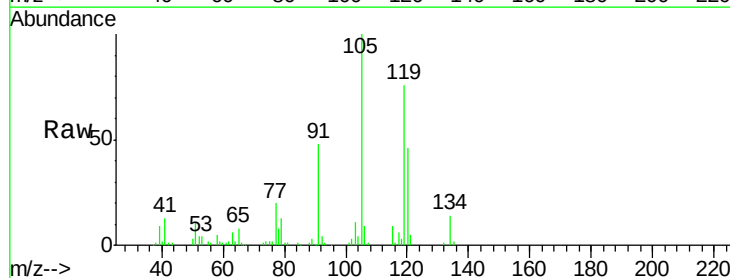
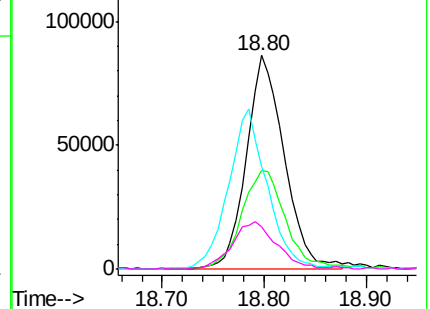
77 19.2 15.7 23.5

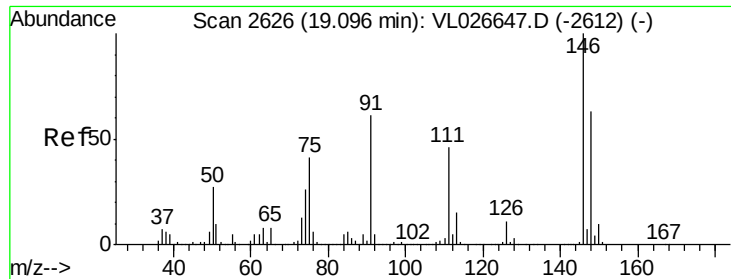
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





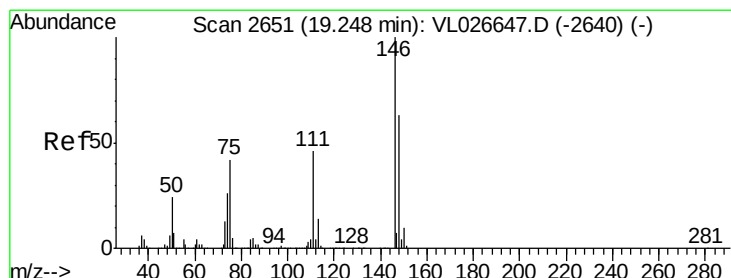
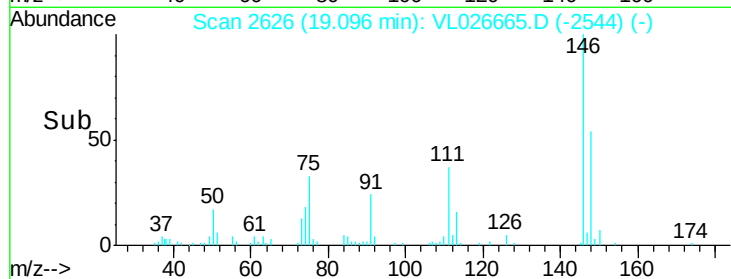
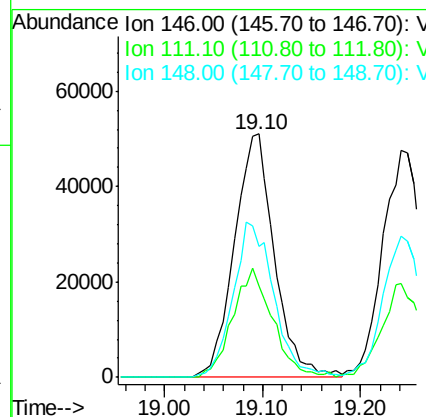
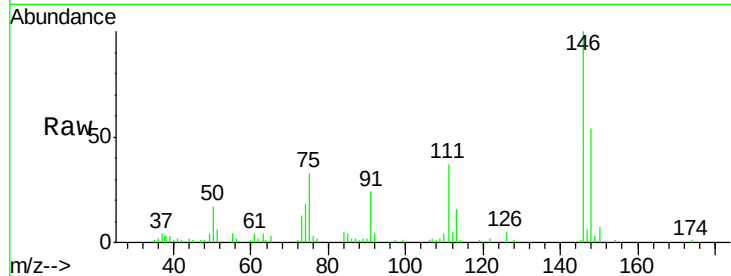
#75
 1,3-Dichlorobenzene
 Concen: 0.47 ppbv
 RT: 19.10 min Scan# 2626
 Delta R.T. -0.00 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-7

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.9	68.5
148	64.7	31.6	95.0

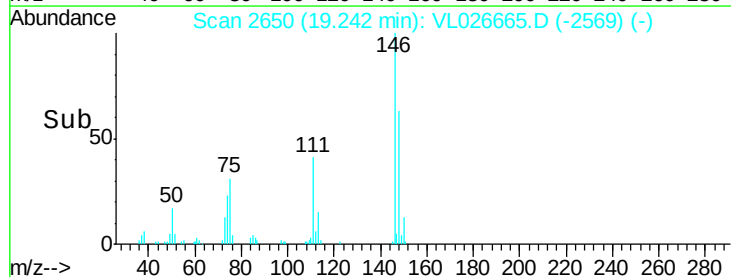
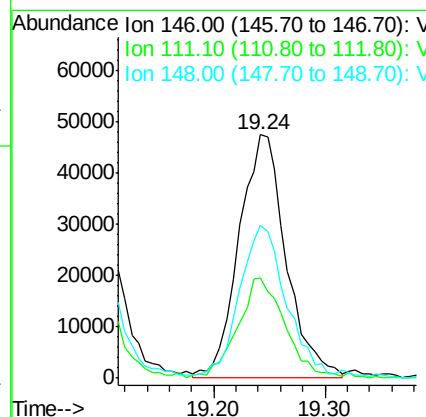
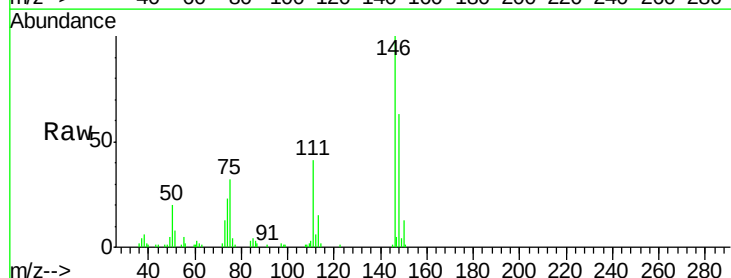
Manual Integrations
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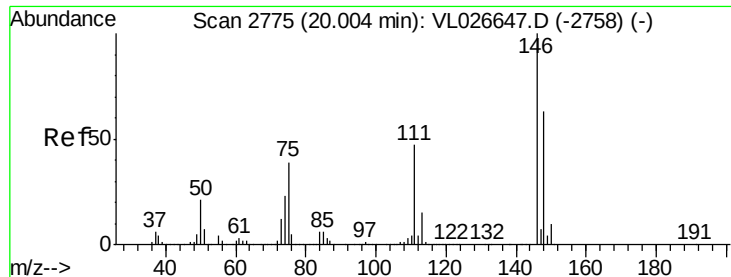
MMdadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.44 ppbv
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	22.3	66.8
148	64.5	31.9	95.9





#77

1,2-Dichlorobenzene

Concen: 0.45 ppbv

RT: 20.00 min Scan# 2774

Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

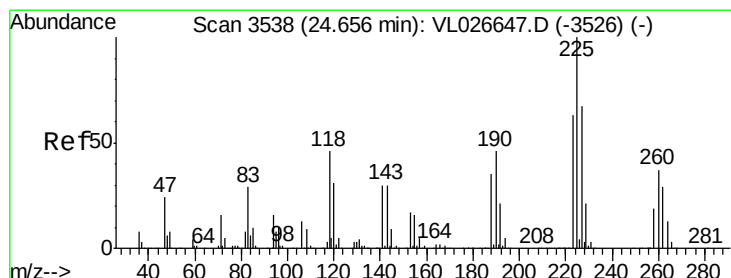
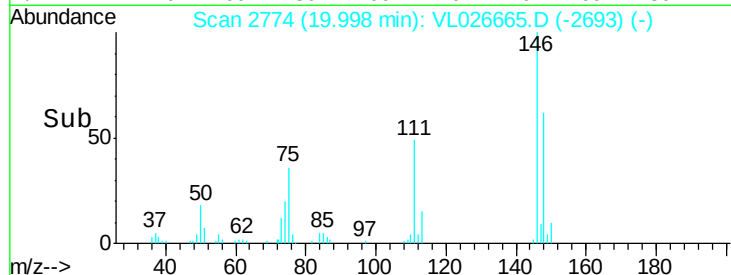
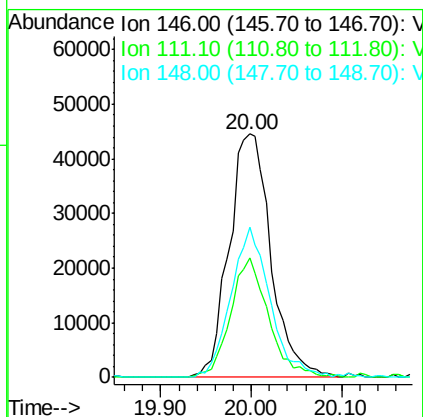
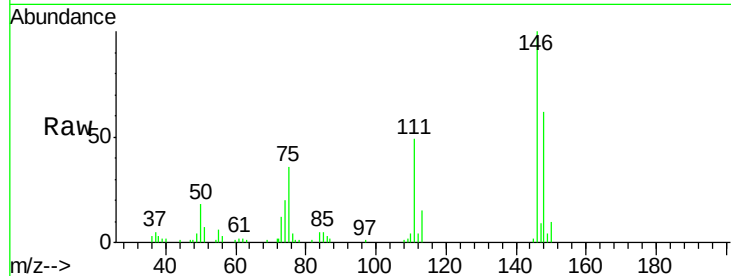
ClientSampleId :

MDL-AIR-7

Tot Ion:	146	Resp:	142545
Ion Ratio	Lower	Upper	
146	100		
111	44.8	23.7	71.1
148	58.5	31.1	93.5

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#78

Hexachloro-1,3-Butadiene

Concen: 0.41 ppbv

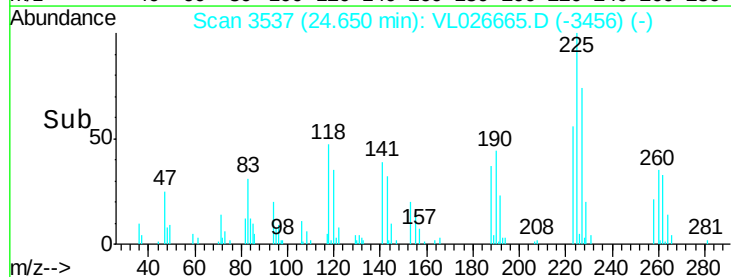
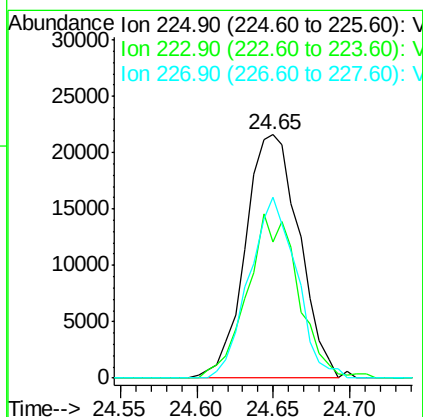
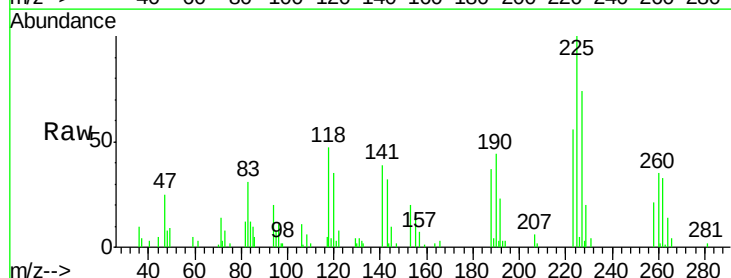
RT: 24.65 min Scan# 3537

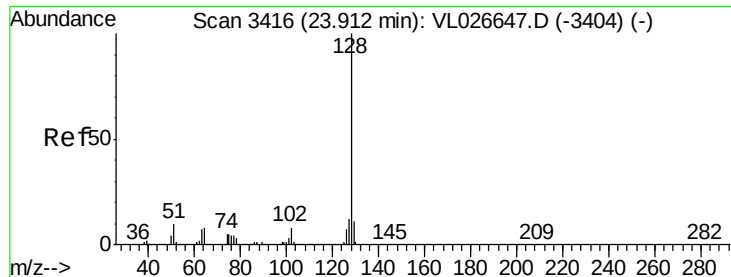
Delta R.T. -0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:	225	Resp:	52716
Ion Ratio	Lower	Upper	
225	100		
223	64.0	50.1	75.1
227	65.4	51.1	76.7





#79

Naphthalene

Concen: 0.26 ppbv

RT: 23.92 min Scan# 3417

Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Instrument :

MSVOA_L

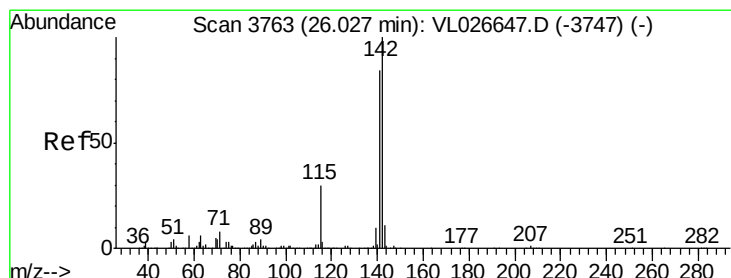
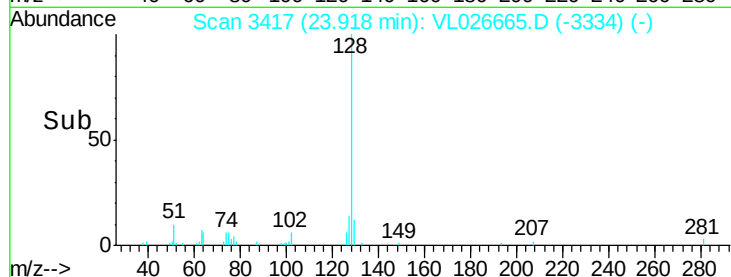
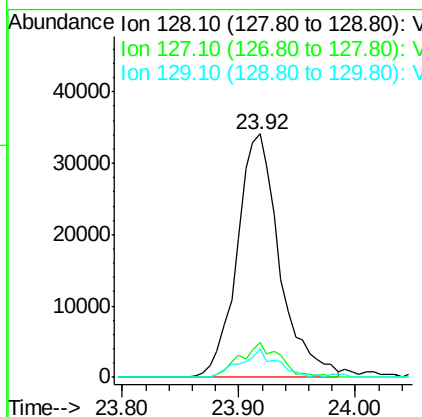
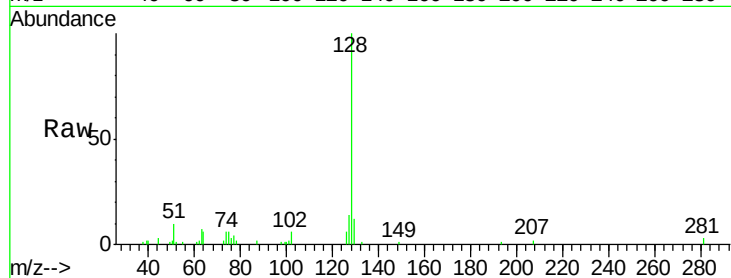
ClientSampleId :

MDL-AIR-7

Tot Ion:	128	Resp:	86558
Ion Ratio		Lower	Upper
128	100		
127	14.3	9.8	14.8
129	11.8	8.9	13.3

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#80

Naphthalene, 2-methyl-

Concen: 0.28 ppbv

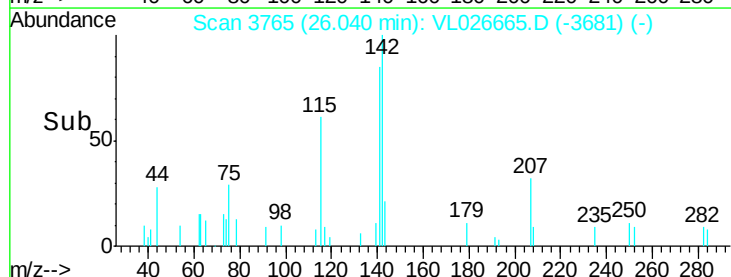
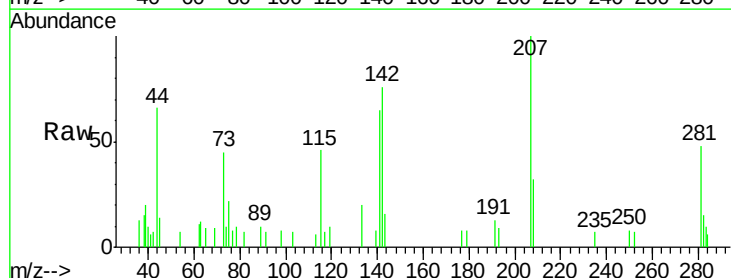
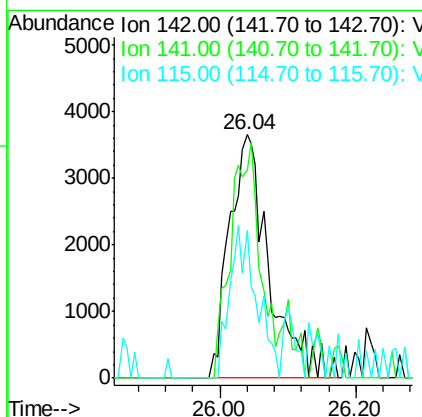
RT: 26.04 min Scan# 3765

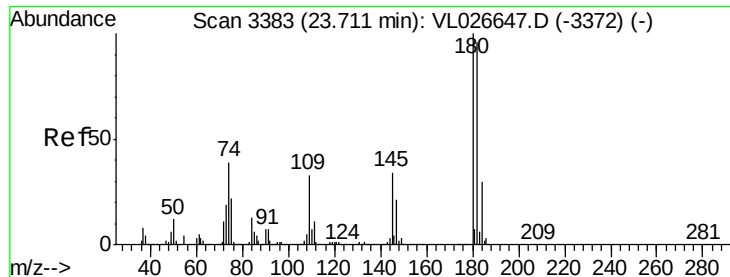
Delta R.T. 0.01 min

Lab File: VL026665.D

Acq: 9 Jan 2016 7:40

Tgt Ion:	142	Resp:	14722
Ion Ratio		Lower	Upper
142	100		
141	86.9	67.0	100.6
115	57.1	24.7	37.1





#81
 1,2,4-Trichlorobenzene
 Concen: 0.31 ppbv m
 RT: 23.71 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VL026665.D
 Acq: 9 Jan 2016 7:40

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-7

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48190		
182	104.4		75.4	113.0
184	33.5		24.1	36.1

Manual Integrations
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