

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026663.D
 Acq On : 9 Jan 2016 6:25
 Operator : SY/AP
 Sample : H1002-19
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:20 AM

Quant Time: Jan 12 04:56:28 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	651009	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	2069563	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.72	117	2849825	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	2341412	10.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	89314	0.52	ppbv	99
3) Chlorodifluoromethane	3.56	51	41942	0.48	ppbv	98
4) Chloromethane	3.75	50	17852	0.42	ppbv #	73
5) Vinyl Chloride	3.88	62	19937m	0.39	ppbv	
6) Bromomethane	4.14	94	15957	0.44	ppbv	89
7) Chloroethane	4.23	64	8927	0.43	ppbv	91
8) Dichlorotetrafluoroethane	3.79	85	68916	0.51	ppbv	97
9) Propene	3.59	41	10951	0.35	ppbv	98
10) Heptane	9.33	43	40216	0.35	ppbv	90
11) Trichlorofluoromethane	4.68	101	94510	0.53	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	5.29	101	54029	0.49	ppbv	97
13) Ethanol	4.34	45	1851m	0.31	ppbv	
14) Bromoethene	4.45	108	17376	0.44	ppbv	98
15) Acetone	4.61	43	65754m	0.61	ppbv	
16) 1,3-Butadiene	3.96	39	19057	0.45	ppbv	87
17) tert-Butyl alcohol	5.15	59	30023m	0.37	ppbv	
18) 1,1-Dichloroethene	5.07	96	22824m	0.50	ppbv	
19) Isopropyl Alcohol	4.78	45	15926m	0.36	ppbv	
20) Methylene Chloride	5.14	84	24195	0.55	ppbv #	76
21) Allyl Chloride	5.21	41	27319m	0.42	ppbv	
22) trans-1,2-Dichloroethene	5.75	96	21567	0.41	ppbv	86
23) Vinyl Acetate	5.98	43	54698	0.33	ppbv #	96
24) 1,1-Dichloroethane	5.89	63	51884	0.44	ppbv	97
25) Ethyl Acetate	6.67	43	47602	0.29	ppbv #	91
26) Hexane	6.63	57	31238	0.37	ppbv	95
27) Carbon Disulfide	5.37	76	54848	0.43	ppbv #	89
28) Methyl tert-Butyl Ether	5.96	73	59672m	0.35	ppbv	
29) Chloroform	6.72	83	75140	0.48	ppbv	92
30) Cyclohexane	8.26	84	32007	0.38	ppbv #	27
31) cis-1,2-Dichloroethene	6.49	61	30244	0.35	ppbv	95
32) 1,1,1-Trichloroethane	7.57	97	76594	0.44	ppbv	96
34) 2-Butanone	6.21	43	39407	0.36	ppbv	98
35) Carbon Tetrachloride	8.13	117	73055	0.40	ppbv #	91
36) Benzene	8.00	78	65958	0.31	ppbv	95
37) 1,2-Dichloroethane	7.35	62	58887	0.40	ppbv	100
38) Trichloroethene	9.05	130	35349m	0.37	ppbv	
39) 1,2-Dichloropropane	8.81	63	29721	0.40	ppbv	91
40) 1,4-Dioxane	9.17	88	4054m	0.24	ppbv	
41) Tetrahydrofuran	7.15	42	14102m	0.26	ppbv	
42) Bromodichloromethane	9.00	83	77266	0.41	ppbv	100
43) Methyl Methacrylate	9.25	69	24692	0.32	ppbv	83

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Quant Time: Jan 12 04:56:28 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	109302	0.32	ppbv	91
45) t-1,3-Dichloropropene	10.63	75	35359m	0.28	ppbv	
46) cis-1,3-Dichloropropene	10.00	75	42009	0.29	ppbv #	88
47) 1,1,2-Trichloroethane	10.85	97	41762	0.40	ppbv	97
48) Dibromochloromethane	11.77	129	63886	0.41	ppbv	99
49) Bromoform	14.79	173	54148	0.42	ppbv	97
50) 4-Methyl-2-Pentanone	10.09	43	43060	0.28	ppbv	95
51) 2-Hexanone	11.62	43	33918	0.24	ppbv #	99
52) Tetrachloroethene	12.76	164	43753	0.41	ppbv	87
53) Toluene	11.21	91	95611	0.32	ppbv	98
54) 1,2-Dibromoethane	12.11	107	70732m	0.43	ppbv	
56) 1,1,1,2-Tetrachloroethane	13.76	131	57386	0.44	ppbv #	1
57) Chlorobenzene	13.78	112	134474	0.46	ppbv	92
58) Ethyl Benzene	14.38	91	162857	0.32	ppbv #	89
59) m/p-Xylene	14.69	91	317002	0.76	ppbv	98
60) o-Xylene	15.46	91	188462	0.42	ppbv	95
61) Styrene	15.29	104	53372	0.30	ppbv	99
62) Isopropylbenzene	16.52	105	238216	0.40	ppbv	97
63) 1,1,2,2-Tetrachloroethane	15.46	83	149454	0.44	ppbv	98
64) n-propylbenzene	17.49	120	63046	0.39	ppbv	92
65) tert-Butylbenzene	18.79	119	227574	0.41	ppbv	94
66) Benzyl Chloride	19.07	91	58425	0.30	ppbv #	98
67) sec-Butylbenzene	19.38	105	330269	0.40	ppbv	99
69) p-Isopropyltoluene	19.76	119	222050	0.36	ppbv	99
70) n-Butylbenzene	20.74	91	223683	0.34	ppbv	97
71) 2-Chlorotoluene	17.40	91	152399	0.33	ppbv	95
72) 4-Ethyltoluene	17.79	105	169921	0.34	ppbv	98
73) 1,3,5-Trimethylbenzene	17.96	105	176100	0.37	ppbv	96
74) 1,2,4-Trimethylbenzene	18.80	105	219456	0.43	ppbv #	86
75) 1,3-Dichlorobenzene	19.08	146	143803	0.46	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	138636	0.43	ppbv	99
77) 1,2-Dichlorobenzene	20.00	146	132851	0.42	ppbv	96
78) Hexachloro-1,3-Butadiene	24.64	225	54833	0.42	ppbv	98
79) Naphthalene	23.91	128	86098	0.25	ppbv #	96
80) Naphthalene, 2-methyl-	26.03	142	16047m	0.30	ppbv	
81) 1,2,4-Trichlorobenzene	23.71	180	48687	0.31	ppbv	94

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

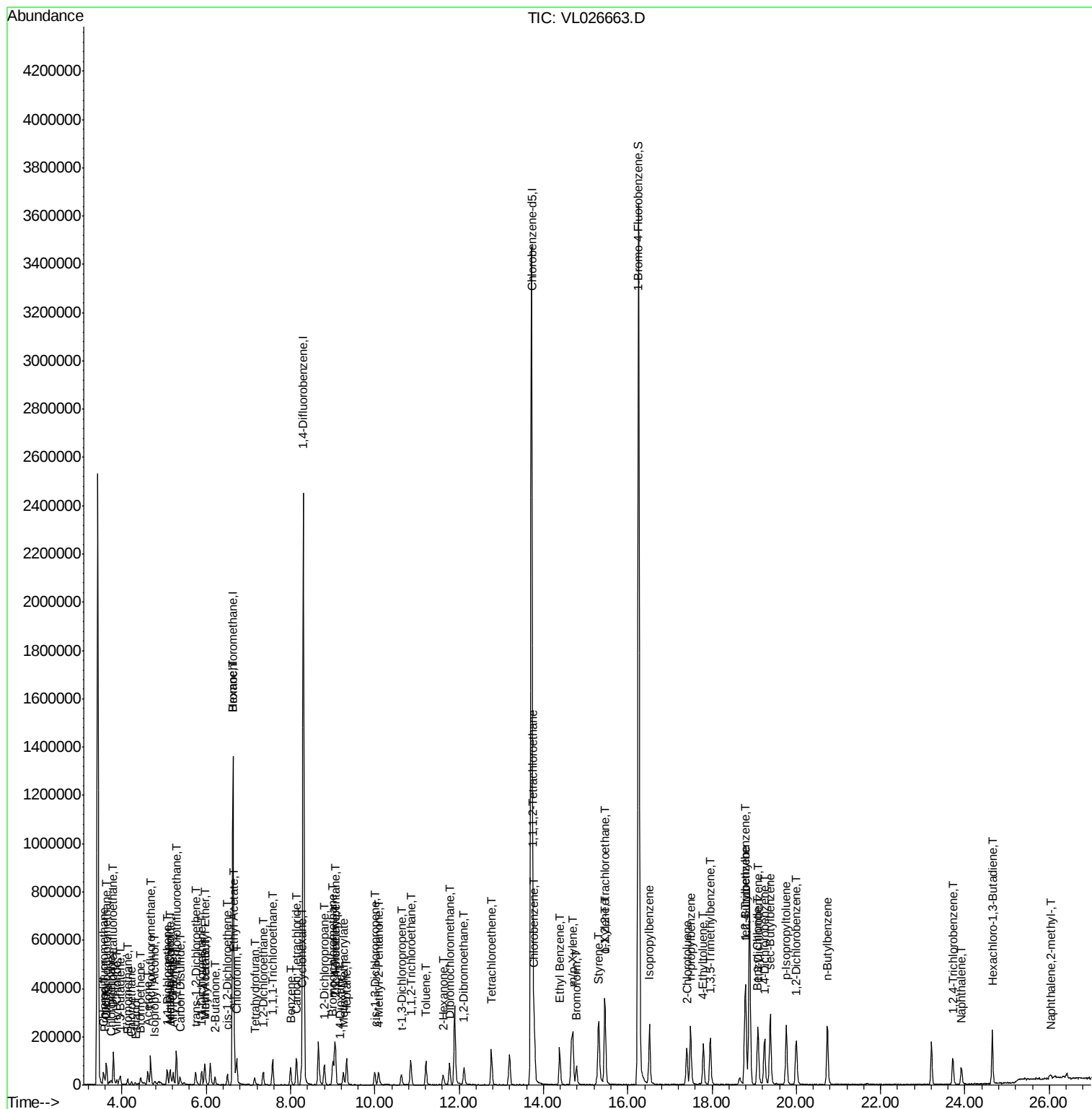
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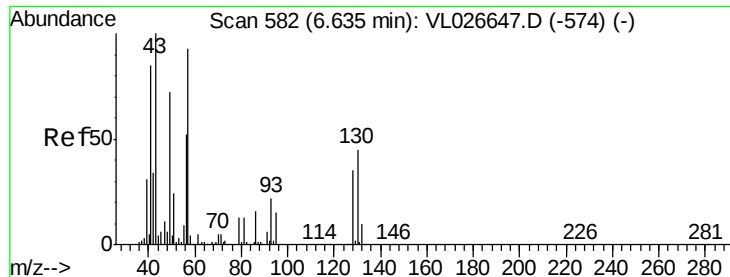
Instrument :
MSVOA_L
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration





#1

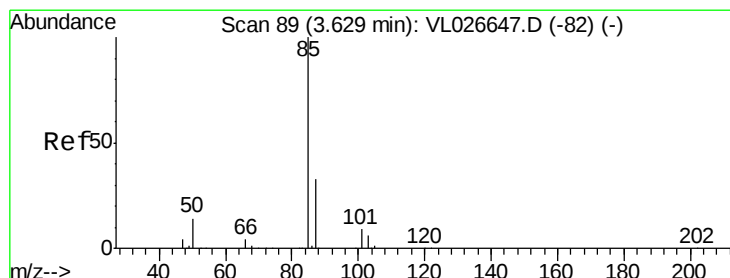
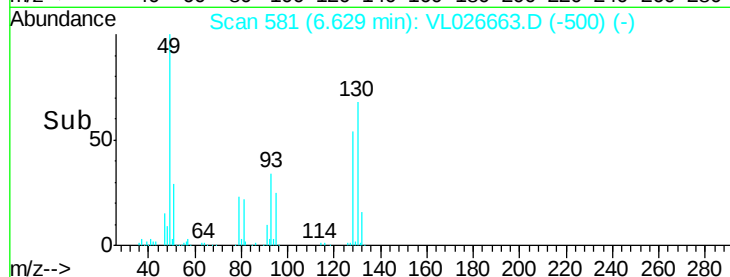
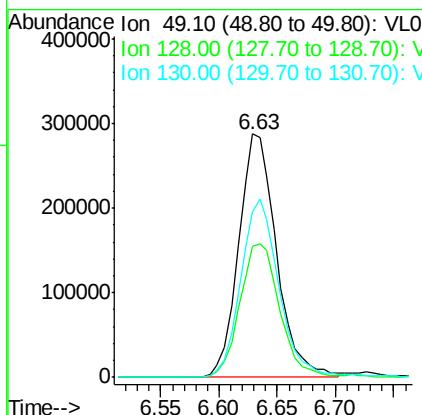
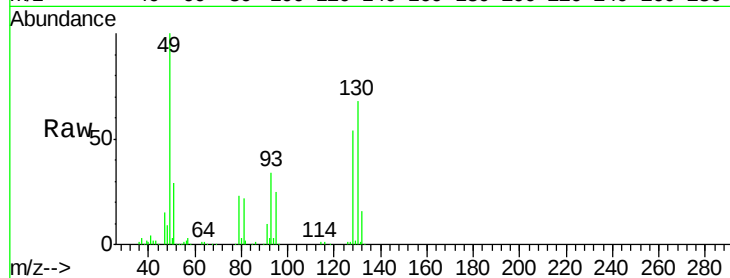
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.63 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
49	100		
128	58.7	25.9	77.7
130	75.1	33.6	100.8

Manual Integrations
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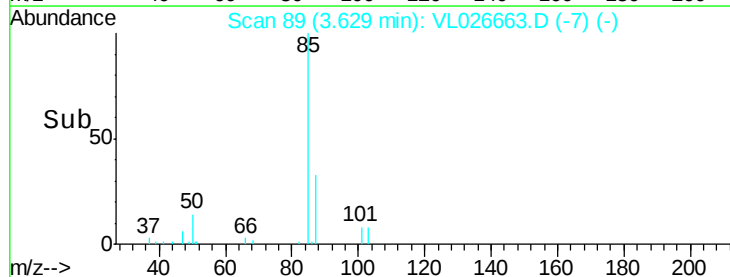
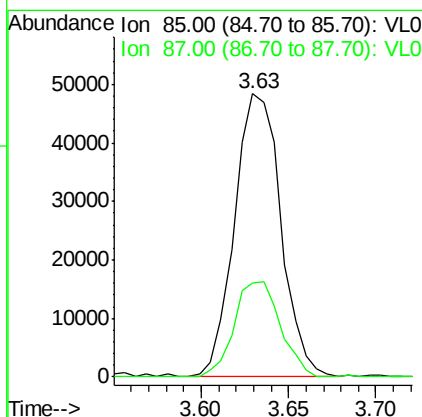
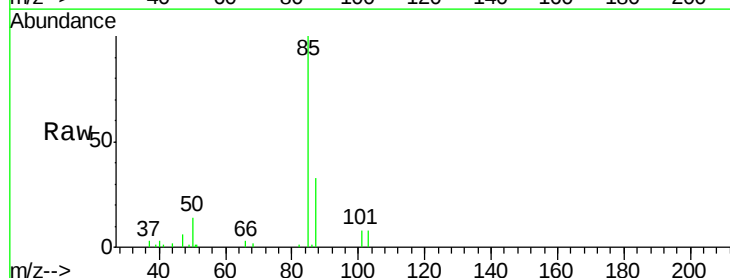
MMdadoda
 1/14/2016 10:51:20 AM

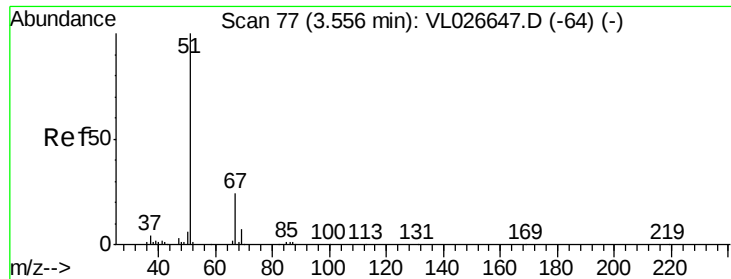


#2

Dichlorodifluoromethane
 Concen: 0.52 ppbv
 RT: 3.63 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.4	39.6





#3

Chlorodifluoromethane

Concen: 0.48 ppbv

RT: 3.56 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tot Ion: 51 Resp: 41942

Ion Ratio Lower Upper

51 100

67 24.4 18.6 28.0

Instrument :

MSVOA_L

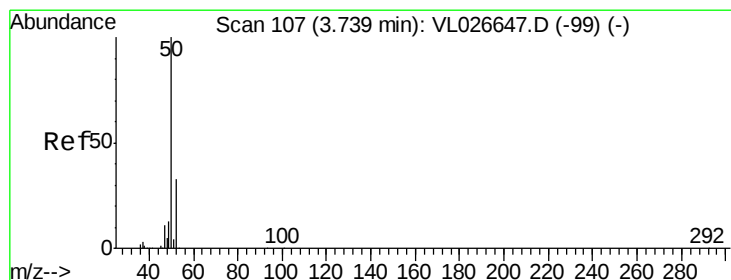
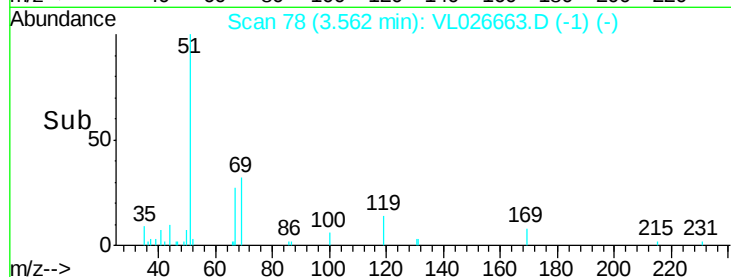
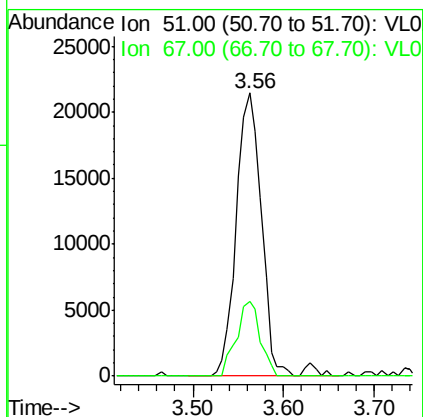
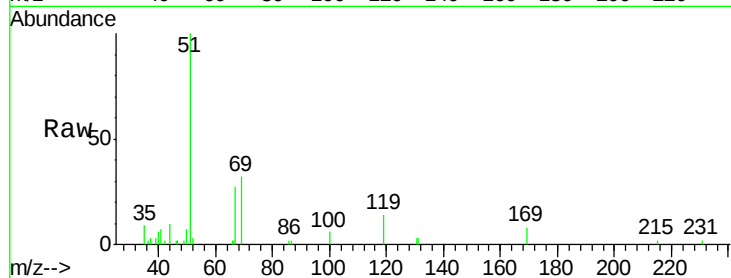
ClientSampleId :

MDL-AIR-5

Manual Integrations
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#4

Chloromethane

Concen: 0.42 ppbv

RT: 3.75 min Scan# 108

Delta R.T. 0.01 min

Lab File: VL026663.D

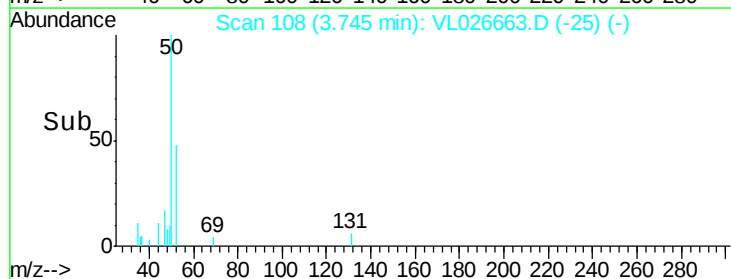
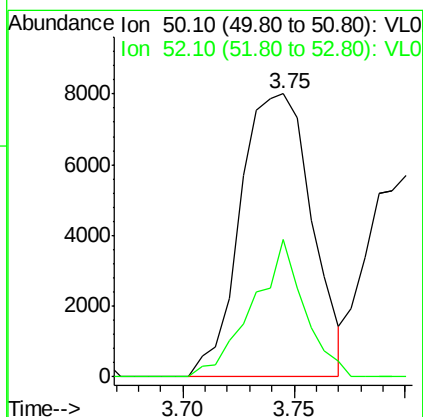
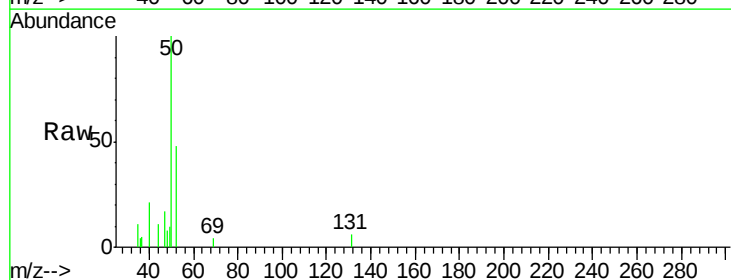
Acq: 9 Jan 2016 6:25

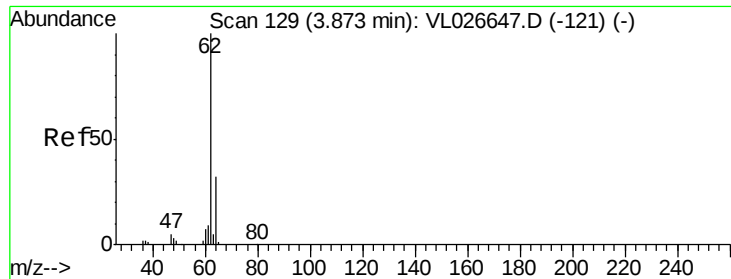
Tgt Ion: 50 Resp: 17852

Ion Ratio Lower Upper

50 100

52 48.5 26.7 40.1#





#5

Vinyl Chloride

Concen: 0.39 ppbv m

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

Tot Ion: 62 Resp: 19937

Ion Ratio Lower Upper

62 100

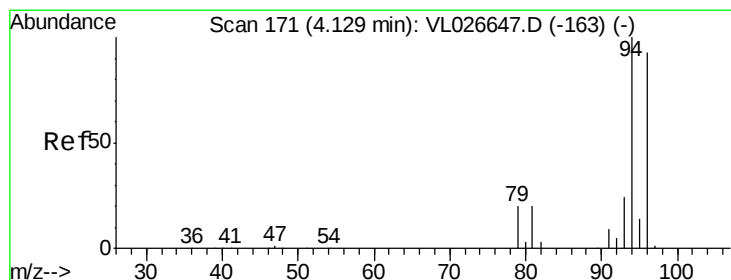
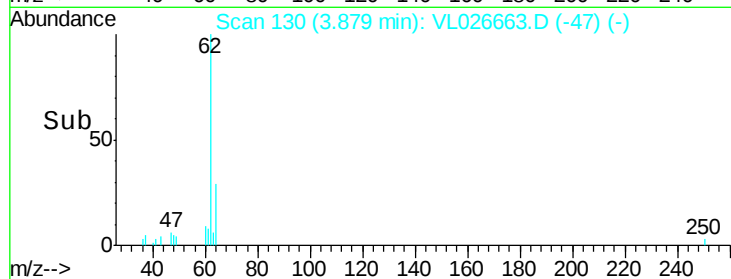
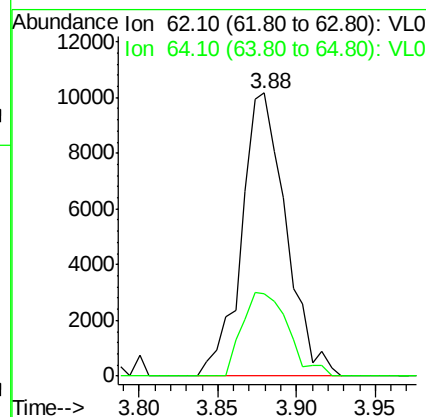
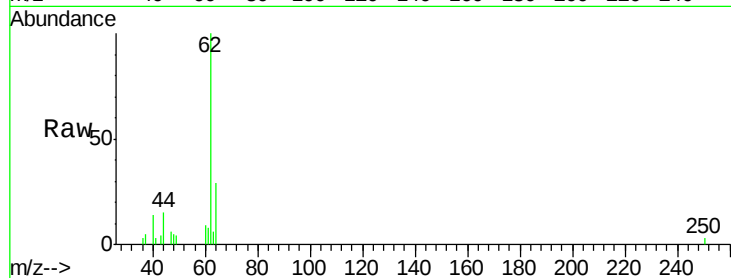
64 29.0 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 0.44 ppbv

RT: 4.14 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL026663.D

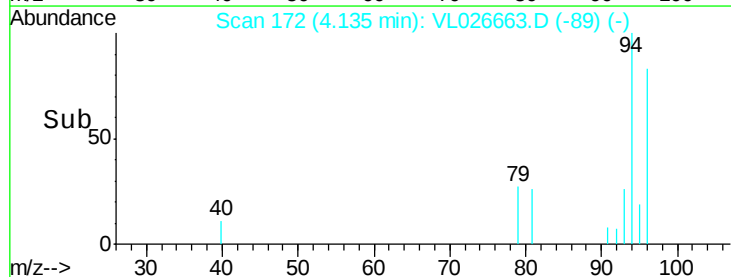
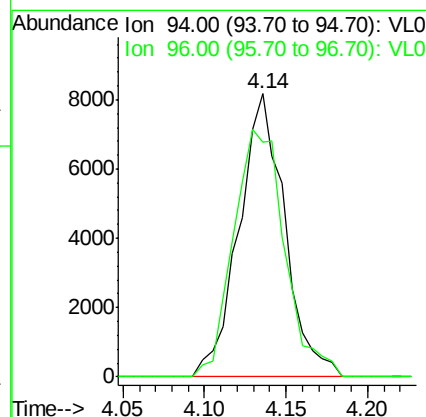
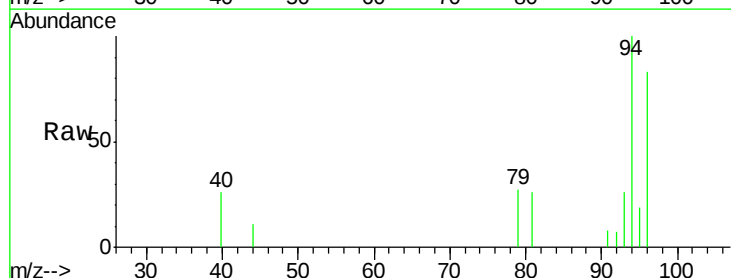
Acq: 9 Jan 2016 6:25

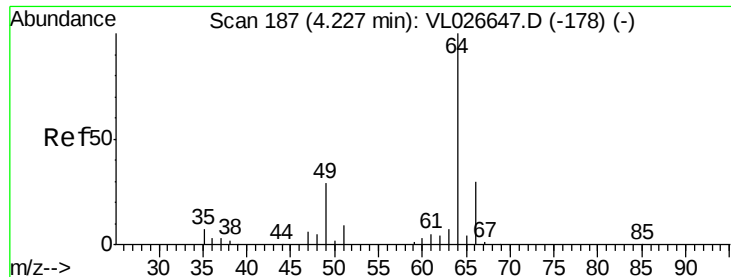
Tgt Ion: 94 Resp: 15957

Ion Ratio Lower Upper

94 100

96 82.8 74.6 112.0





#7

Chloroethane

Concen: 0.43 ppbv

RT: 4.23 min Scan# 188

Delta R.T. 0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

Tot Ion: 64 Resp: 8927

Ion Ratio Lower Upper

64 100

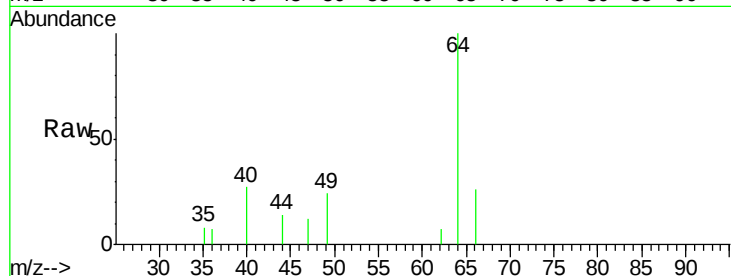
66 25.7 24.3 36.5

Manual Integrations

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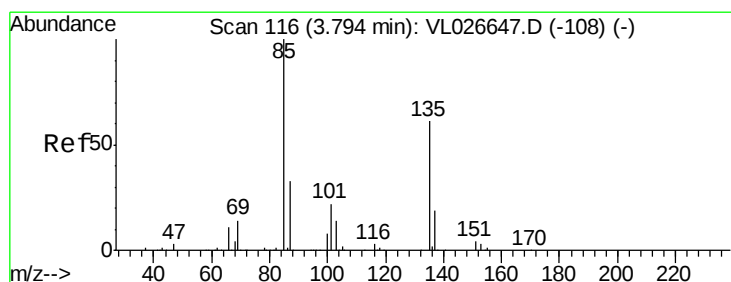
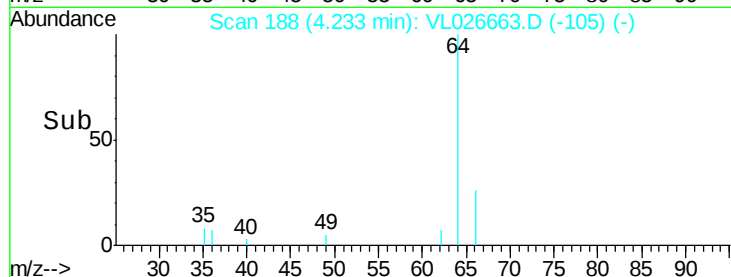
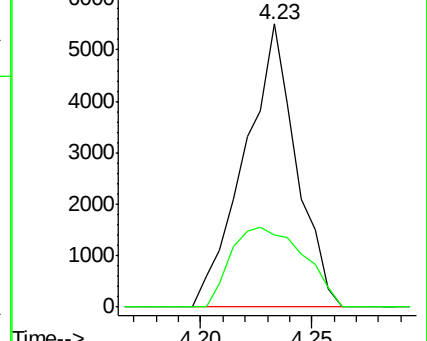
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.51 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026663.D

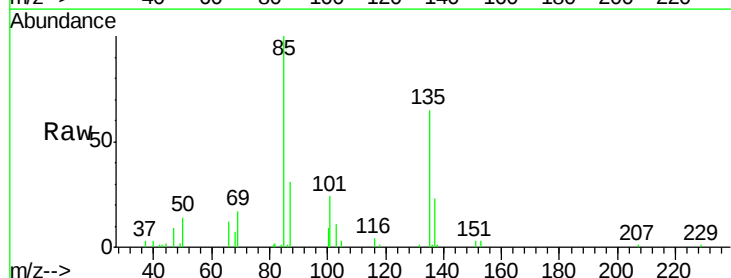
Acq: 9 Jan 2016 6:25

Tgt Ion: 85 Resp: 68916

Ion Ratio Lower Upper

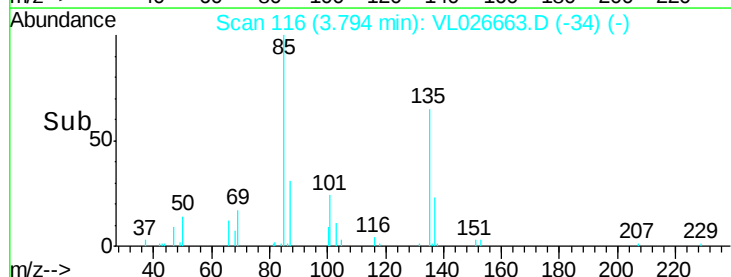
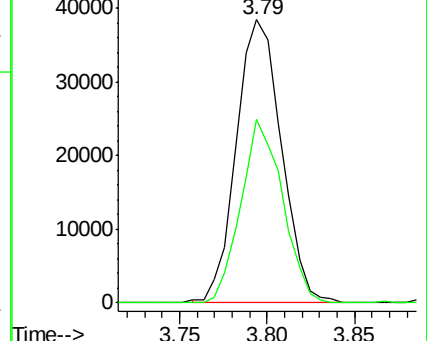
85 100

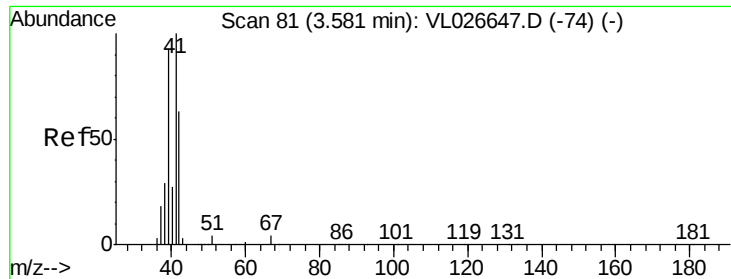
135 59.8 49.8 74.6



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# 82

Delta R.T. 0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

Tot Ion: 41 Resp: 10951

Ion Ratio Lower Upper

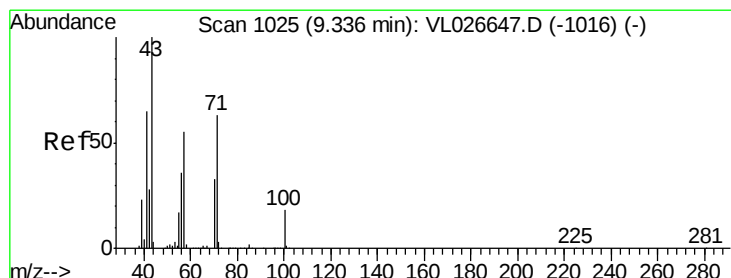
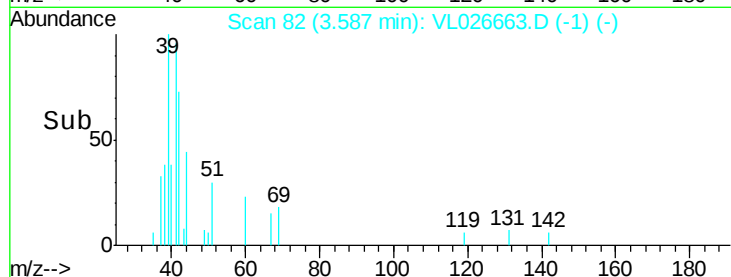
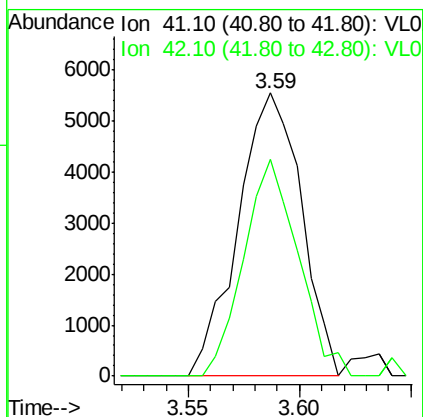
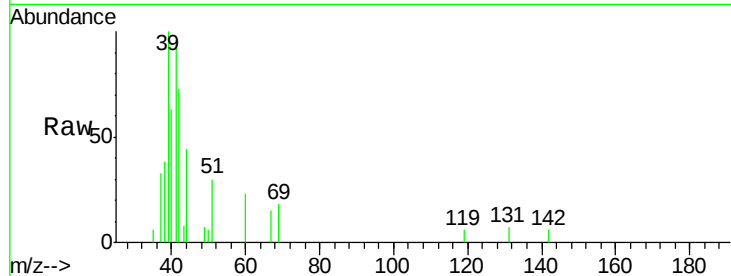
41 100

42 68.4 53.6 80.4

Manual Integrations
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#10

Heptane

Concen: 0.35 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026663.D

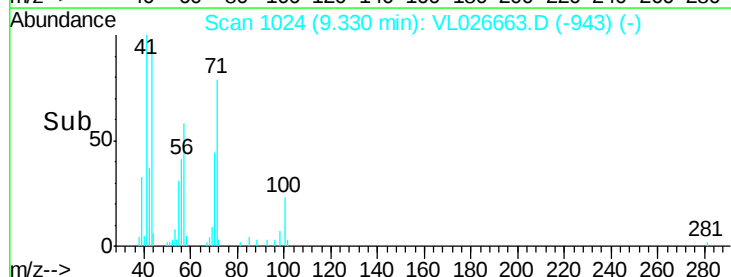
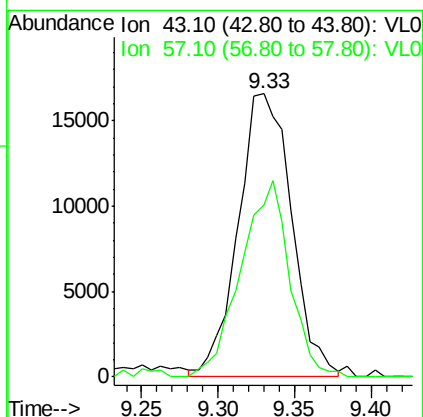
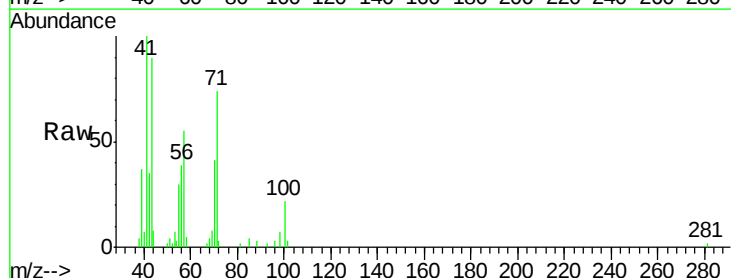
Acq: 9 Jan 2016 6:25

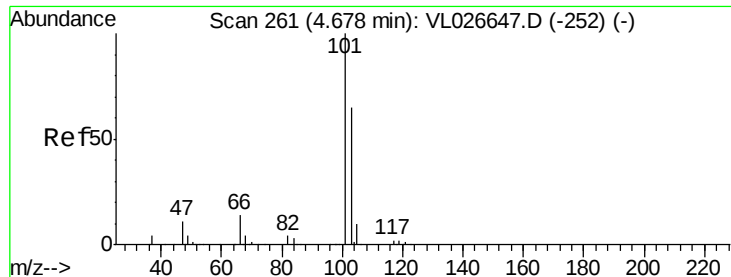
Tgt Ion: 43 Resp: 40216

Ion Ratio Lower Upper

43 100

57 64.8 45.8 68.6





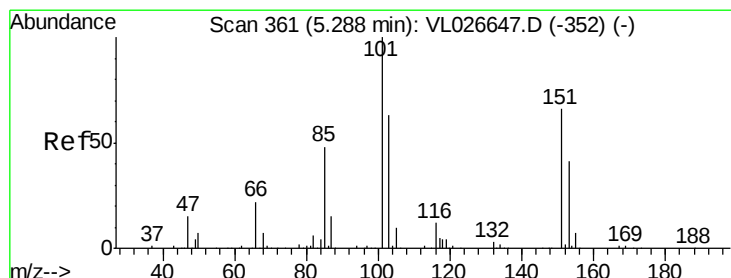
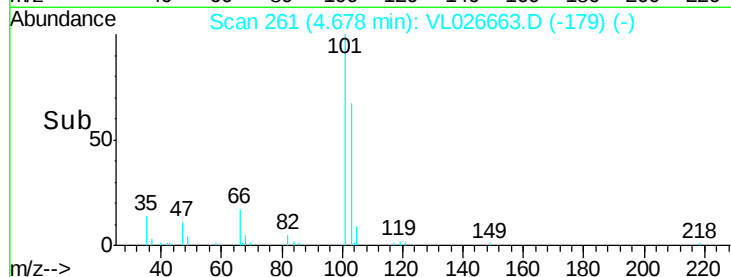
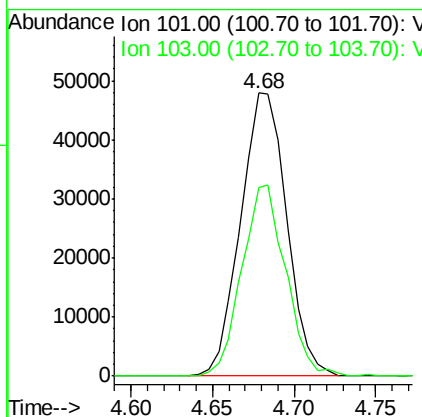
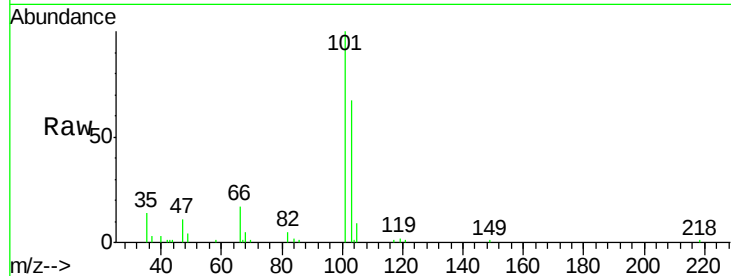
#11
 Trichlorofluoromethane
 Concen: 0.53 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.7	77.5

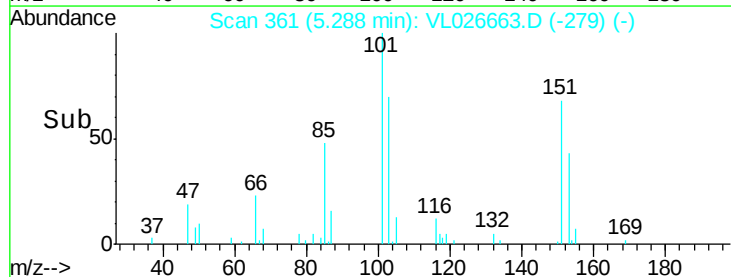
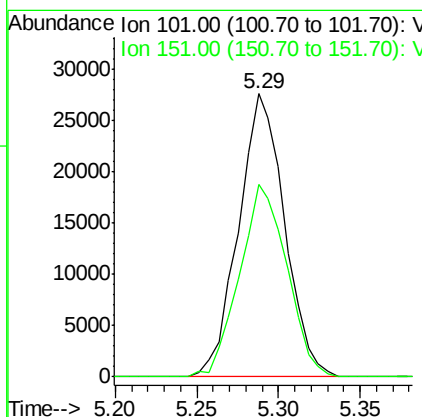
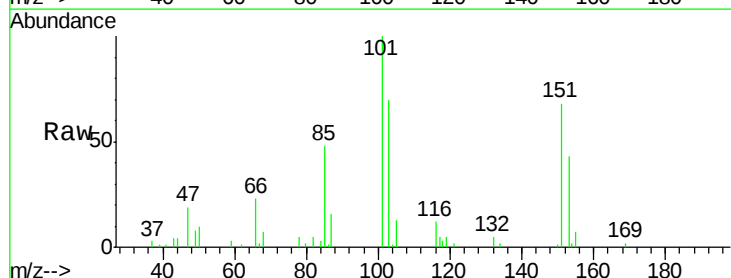
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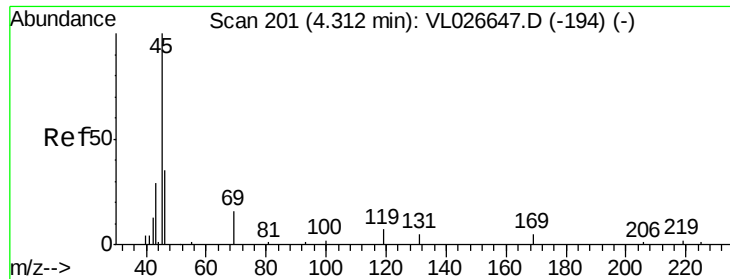
MMdadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.49 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
101	100		
151	69.8	54.2	81.4





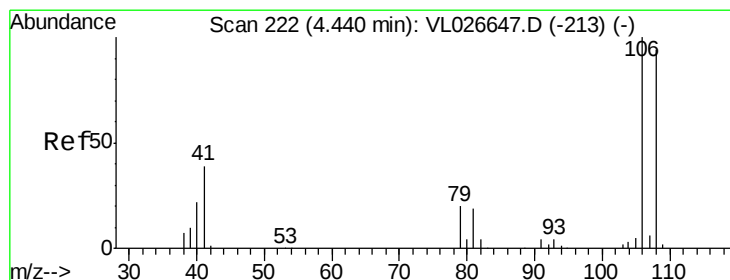
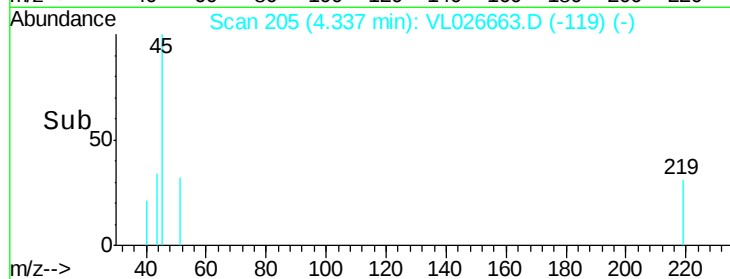
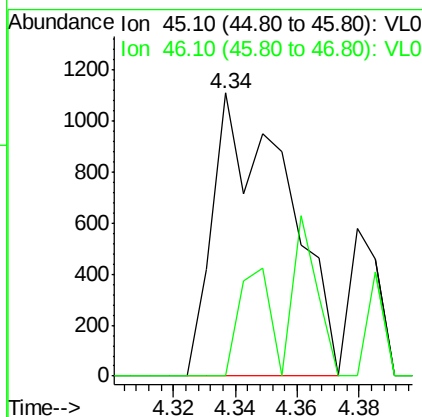
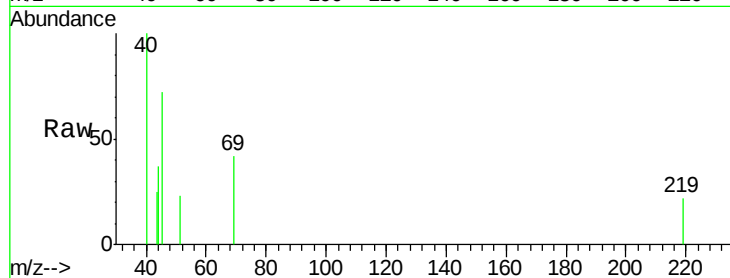
#13
Ethanol
Concen: 0.31 ppbv m
RT: 4.34 min Scan# 205
Delta R.T. 0.02 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion: 45 Resp: 1851
Ion Ratio Lower Upper
45 100
46 0.0 16.7 66.7#

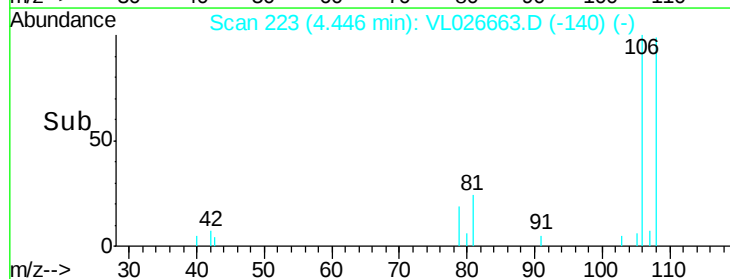
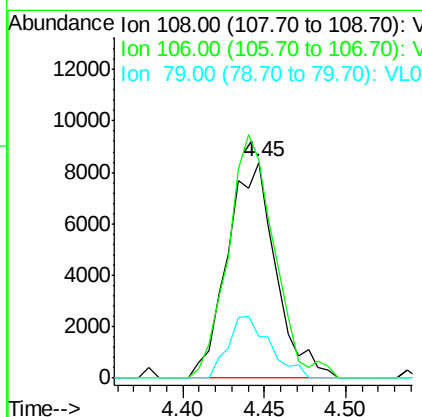
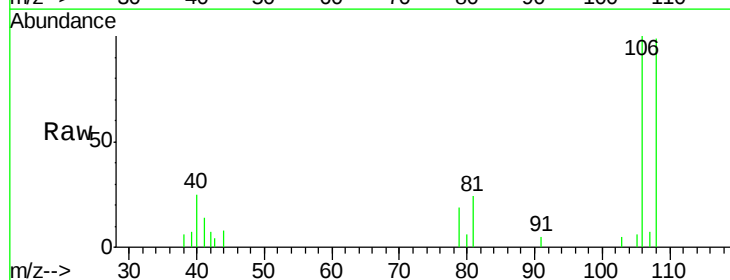
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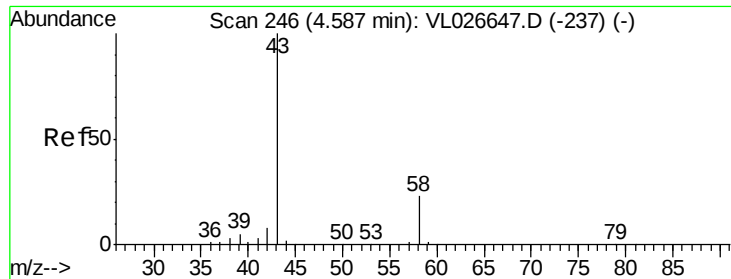
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#14
Bromoethene
Concen: 0.44 ppbv
RT: 4.45 min Scan# 223
Delta R.T. 0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion: 108 Resp: 17376
Ion Ratio Lower Upper
108 100
106 106.9 86.4 129.6
79 24.4 17.2 25.8





#15

Acetone

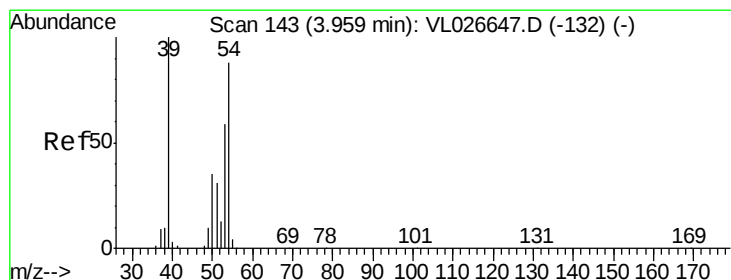
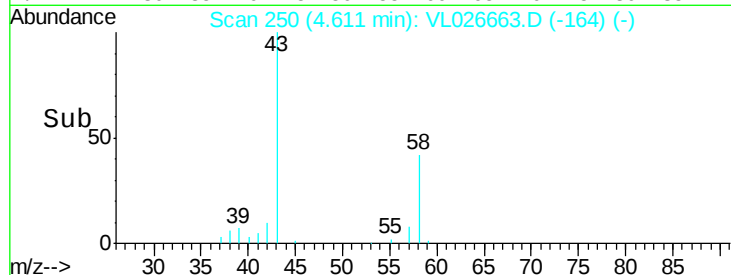
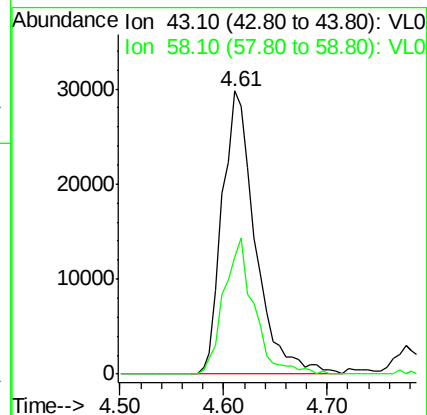
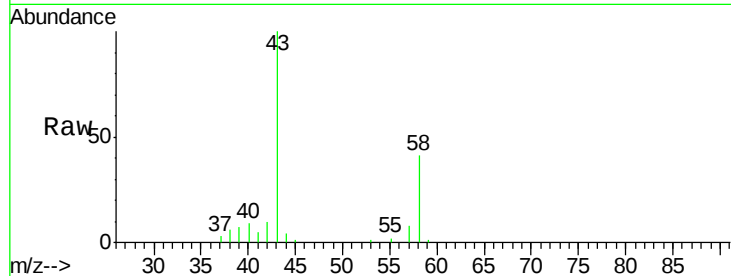
Concen: 0.61 ppbv m
RT: 4.61 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion: 43 Resp: 65754
Ion Ratio Lower Upper
43 100
58 43.9 19.2 28.8#

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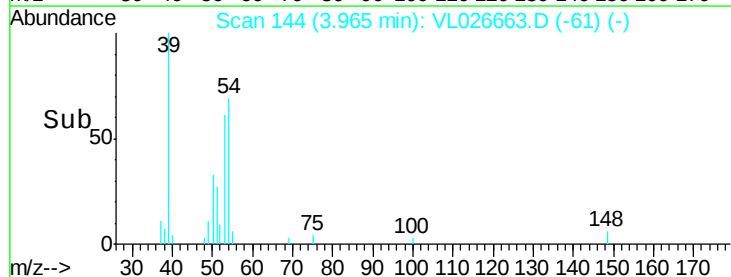
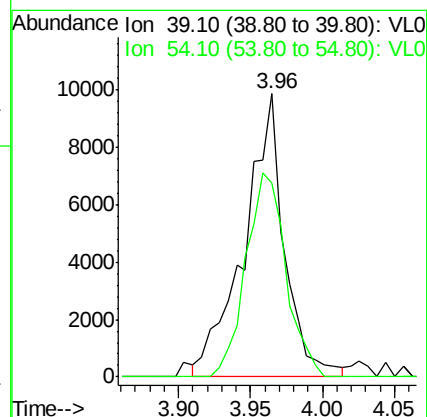
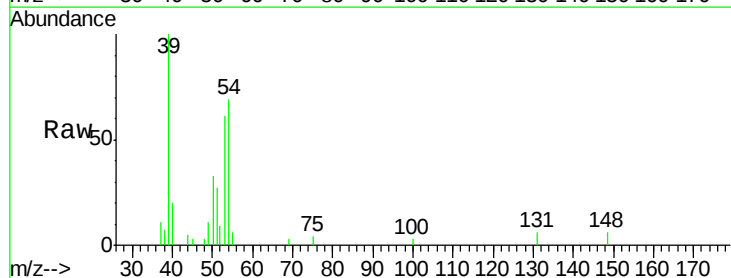


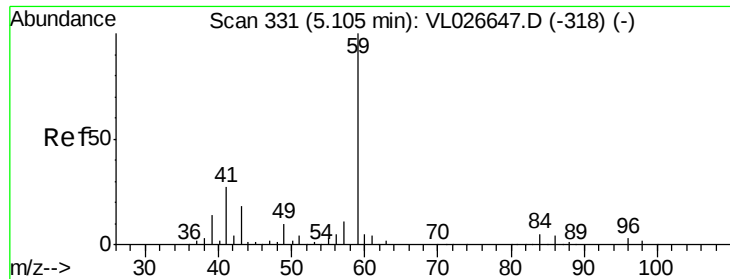
#16

1,3-Butadiene

Concen: 0.45 ppbv
RT: 3.96 min Scan# 144
Delta R.T. 0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion: 39 Resp: 19057
Ion Ratio Lower Upper
39 100
54 71.6 66.6 100.0





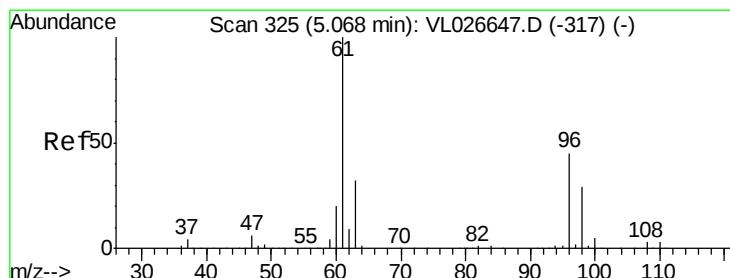
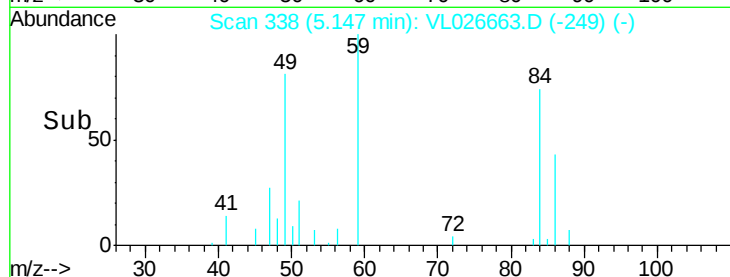
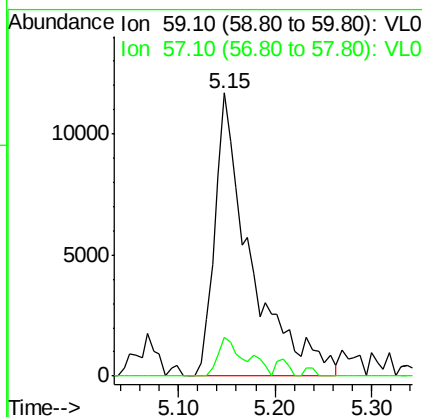
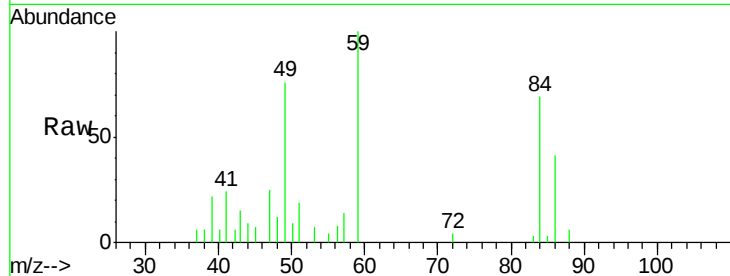
#17
 tert-Butyl alcohol
 Concen: 0.37 ppbv m
 RT: 5.15 min Scan# 338
 Delta R.T. 0.04 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleID :
 MDL-AIR-5

Tot Ion: 59 Resp: 30023
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

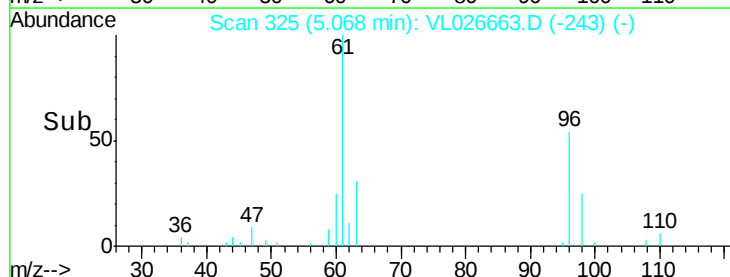
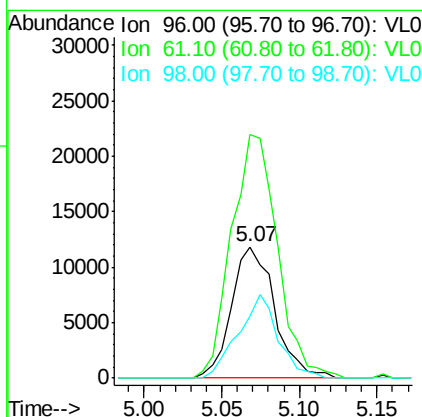
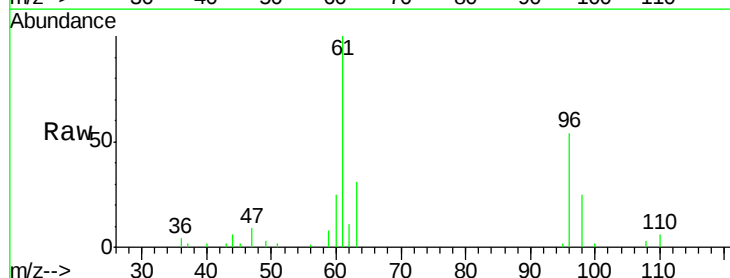
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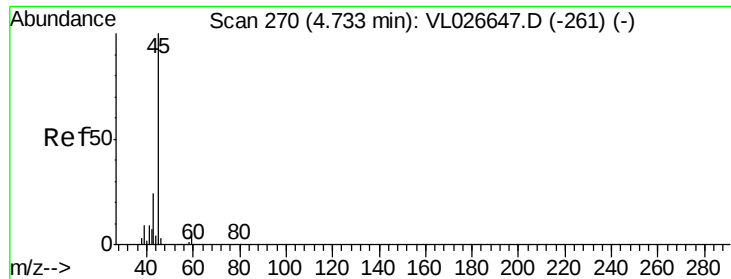
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#18
 1,1-Dichloroethene
 Concen: 0.50 ppbv m
 RT: 5.07 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion: 96 Resp: 22824
 Ion Ratio Lower Upper
 96 100
 61 185.1 176.7 265.1
 98 46.8 51.8 77.6#





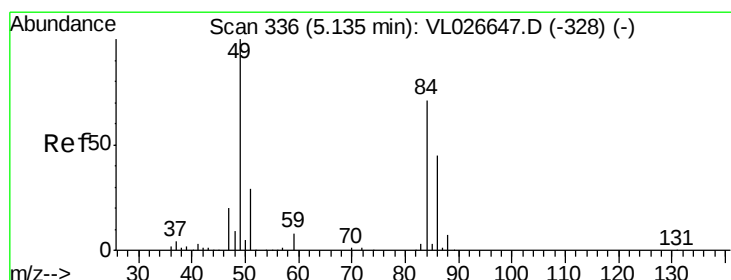
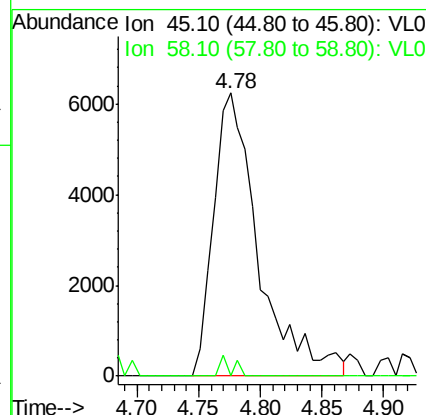
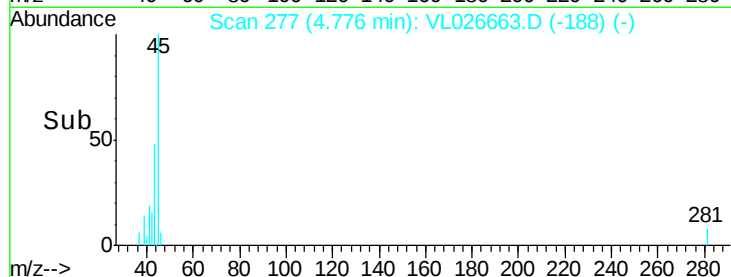
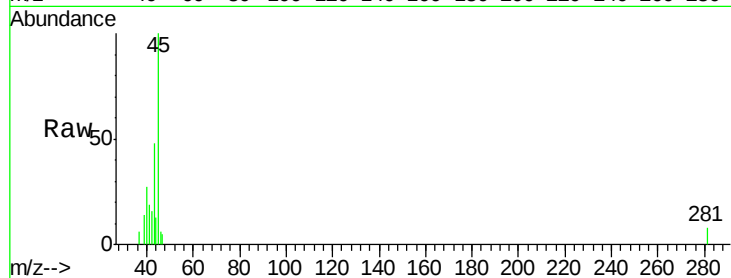
#19
Isopropyl Alcohol
Concen: 0.36 ppbv m
RT: 4.78 min Scan# 277
Delta R.T. 0.04 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion: 45 Resp: 15926
Ion Ratio Lower Upper
45 100
58 181.1 1.3 1.9#

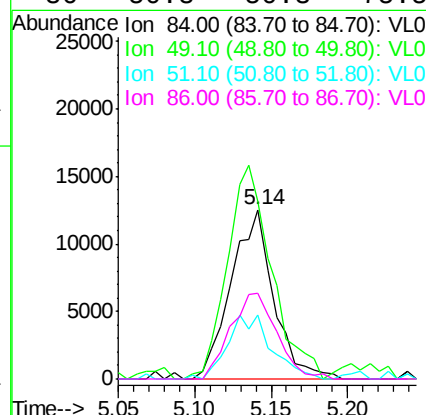
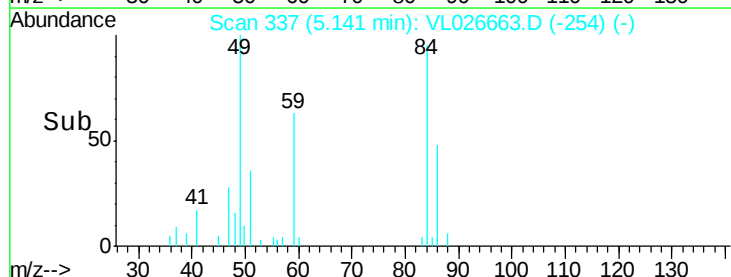
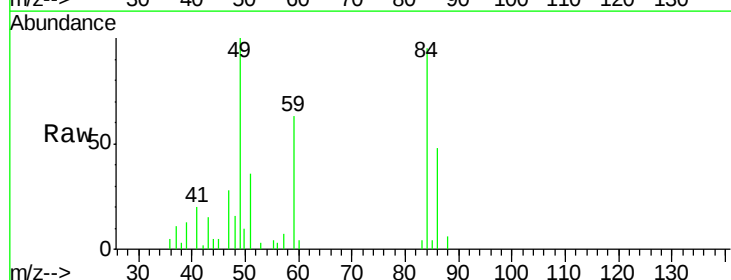
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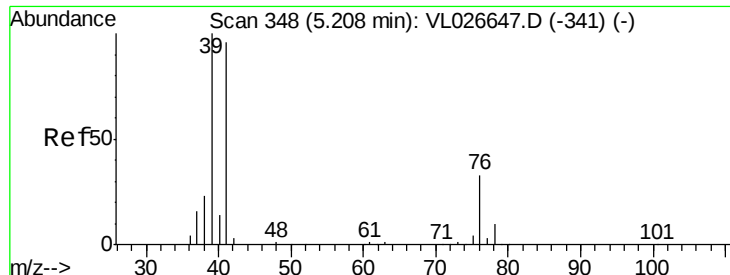
MMdadoda
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#20
Methylene Chloride
Concen: 0.55 ppbv
RT: 5.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion: 84 Resp: 24195
Ion Ratio Lower Upper
84 100
49 101.8 112.3 168.5#
51 35.5 32.5 48.7
86 50.8 50.3 75.5





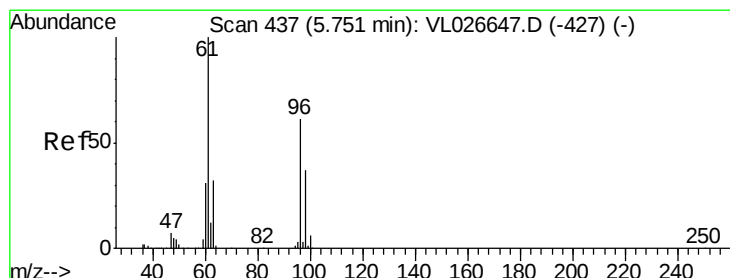
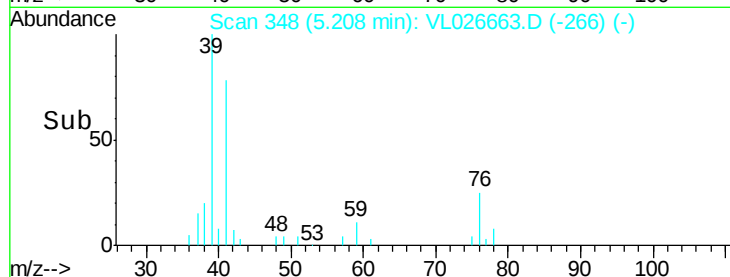
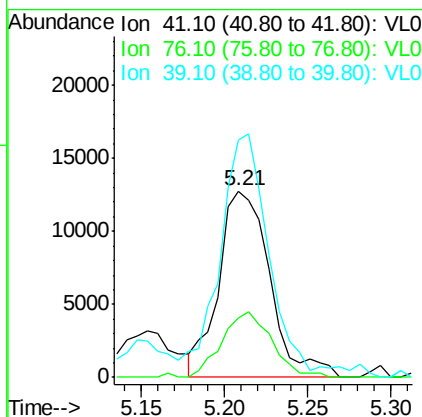
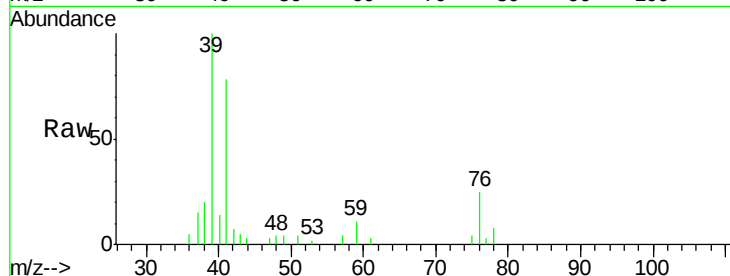
#21
Allvl Chloride
Concen: 0.42 ppbv m
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion	Ratio	Resp	Lower	Upper
41	100	27319		
76	34.7		27.5	41.3
39	146.4		83.0	124.6#

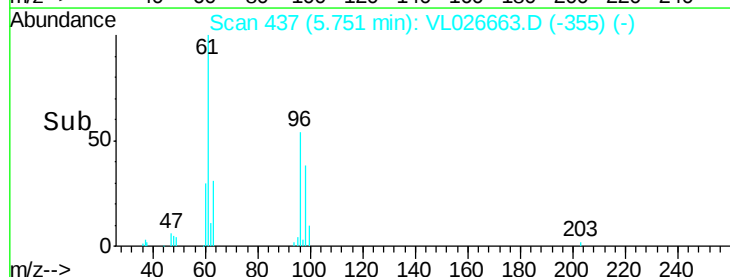
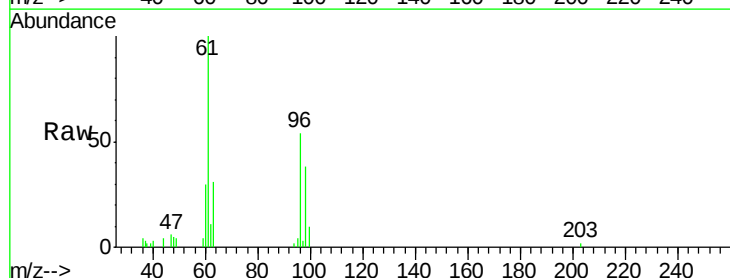
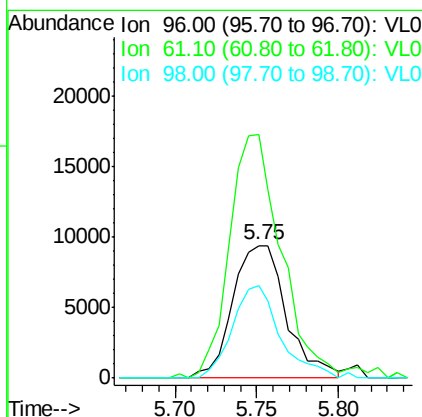
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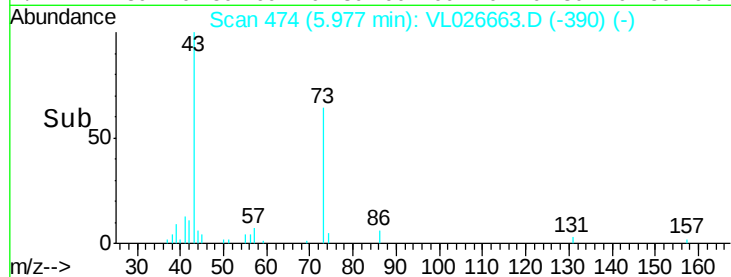
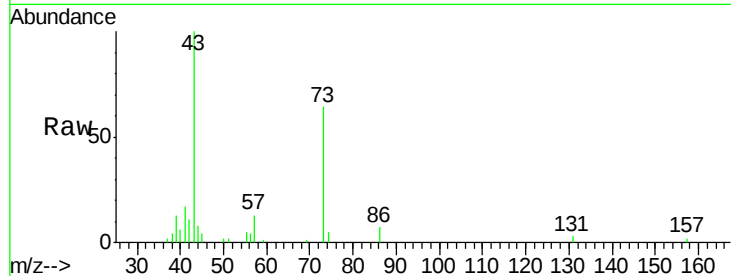
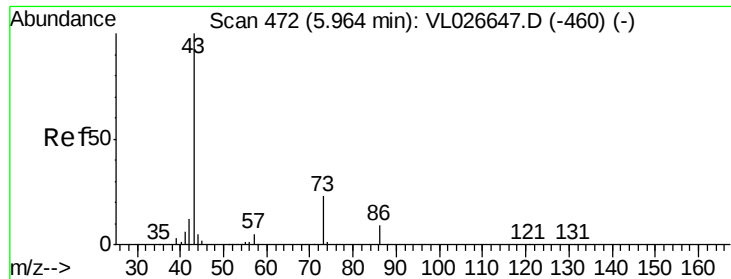
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#22
trans-1,2-Dichloroethene
Concen: 0.41 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	21567		
61	183.7		131.0	196.6
98	70.1		48.1	72.1





#23

Vinyl Acetate

Concen: 0.33 ppbv

RT: 5.98 min Scan# 474

Delta R.T. 0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tot Ion:	43	Resp:	54698
Ion Ratio	Lower	Upper	
43	100		
86	7.1	7.4	11.0#
42	11.1	9.2	13.8
44	7.7	3.8	5.8#

Instrument :

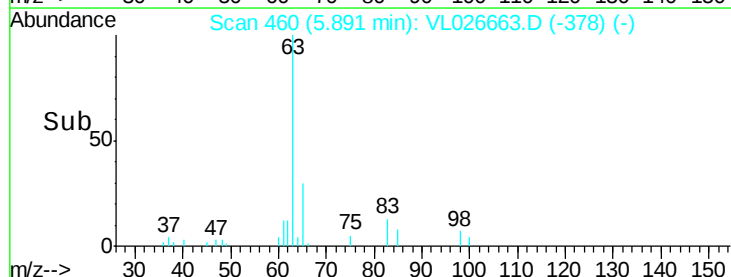
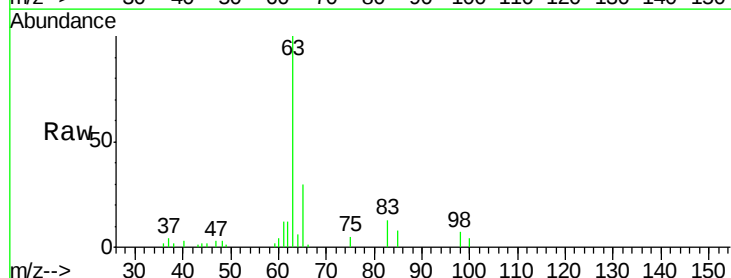
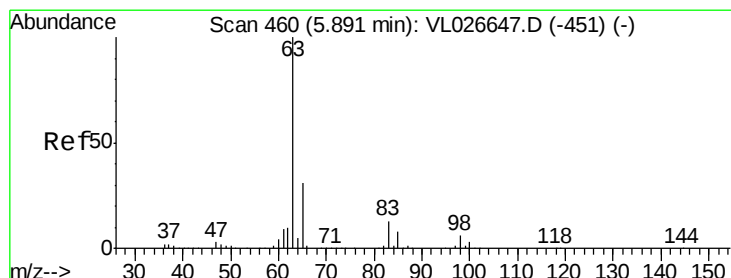
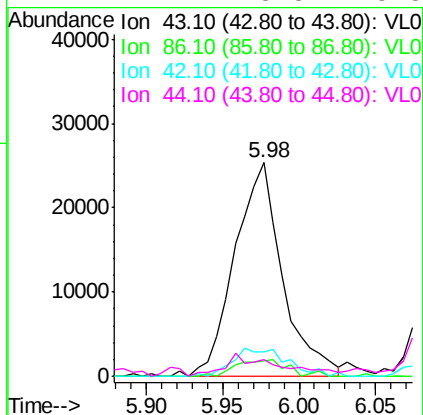
MSVOA_L

ClientSampleId :

MDL-AIR-5

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#24

1,1-Dichloroethane

Concen: 0.44 ppbv

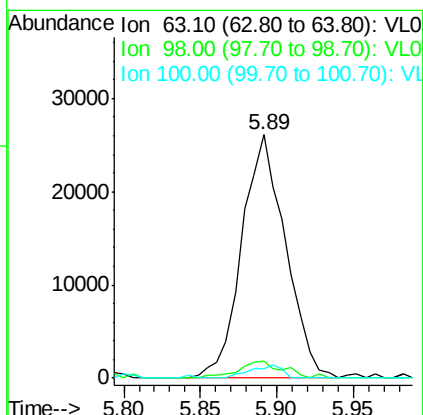
RT: 5.89 min Scan# 460

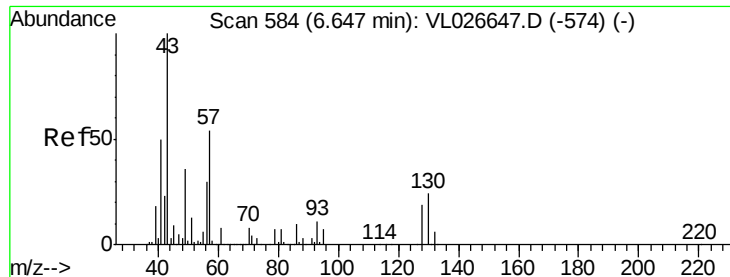
Delta R.T. 0.00 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:	63	Resp:	51884
Ion Ratio	Lower	Upper	
63	100		
98	7.0	2.9	8.7
100	4.0	1.6	4.8





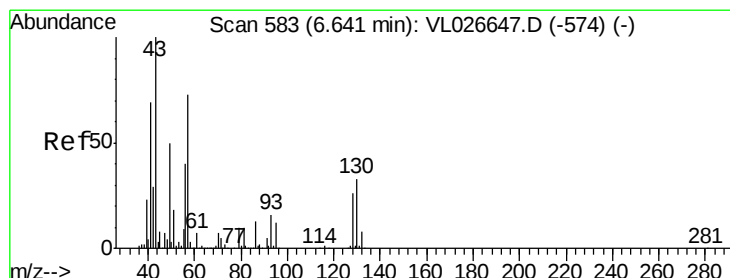
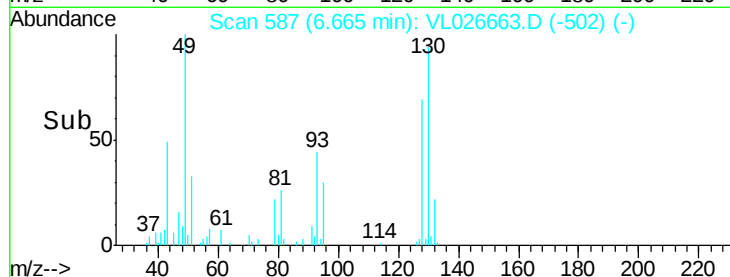
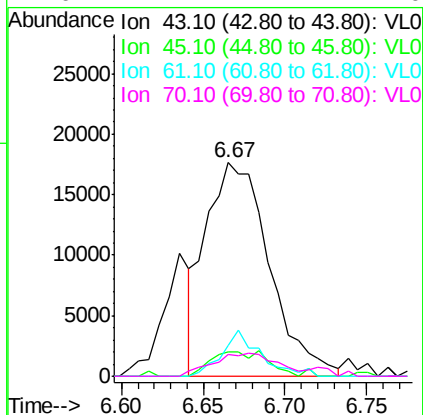
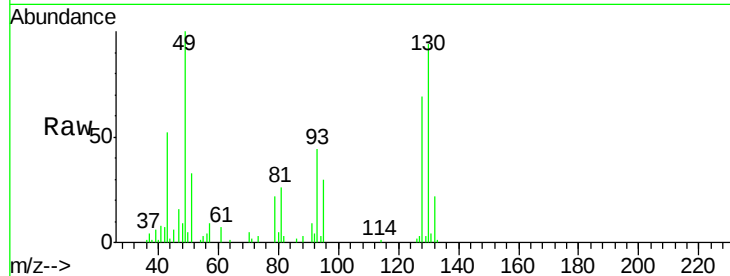
#25
Ethyl Acetate
Concen: 0.29 ppbv
RT: 6.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	11.3	7.5	11.3#		
61	13.3	7.3	10.9#		
70	12.7	7.4	11.0#		

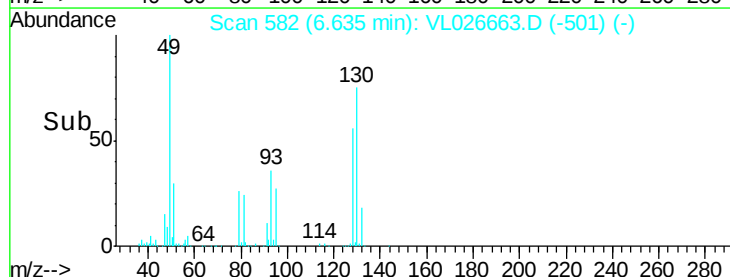
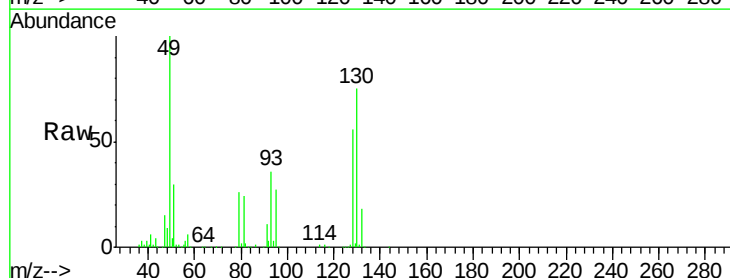
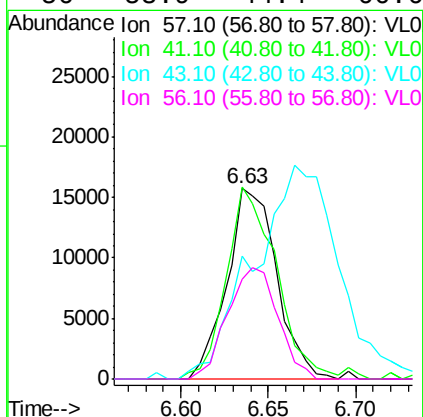
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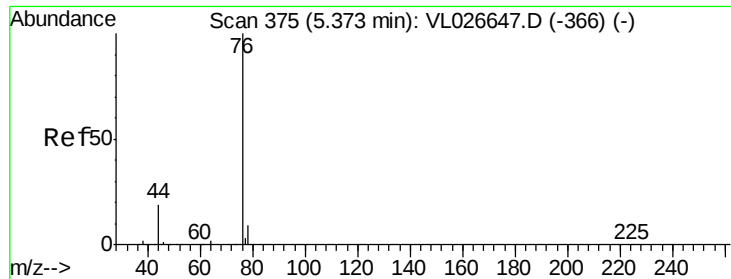
MMdadoda
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#26
Hexane
Concen: 0.37 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	104.5	74.8	112.2		
43	197.7	161.5	242.3		
56	58.9	44.4	66.6		





#27

Carbon Disulfide

Concen: 0.43 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

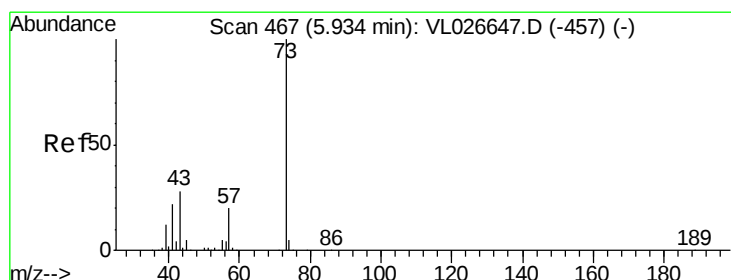
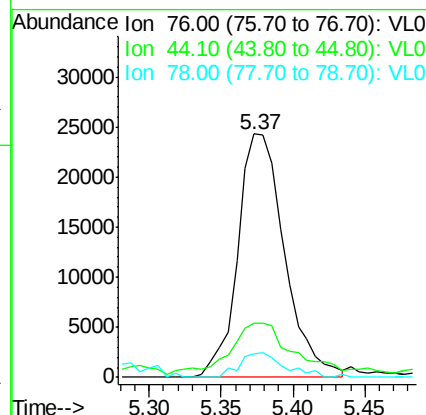
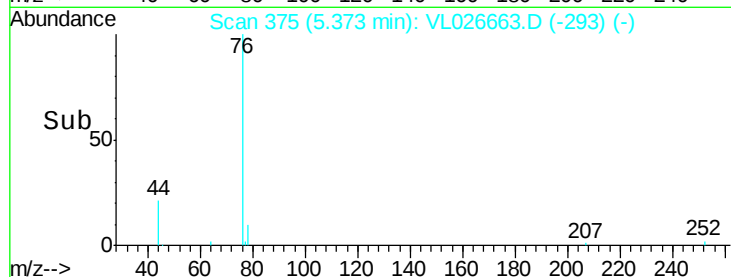
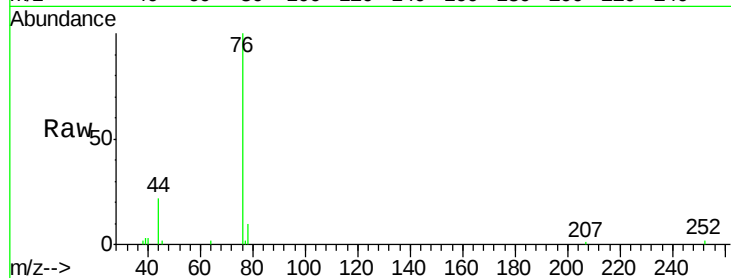
ClientSampleId :

MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
76	100		
44	27.5	15.9	23.9#
78	9.9	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 0.35 ppbv m

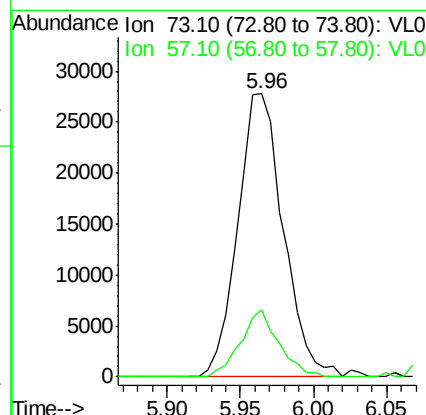
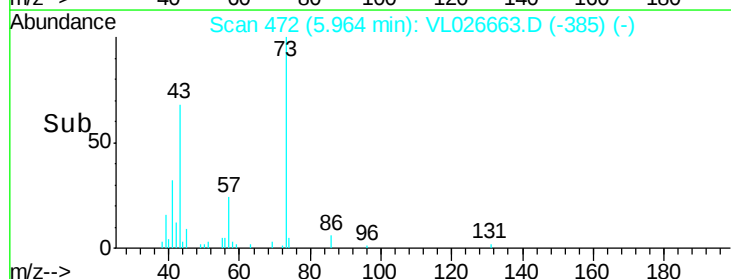
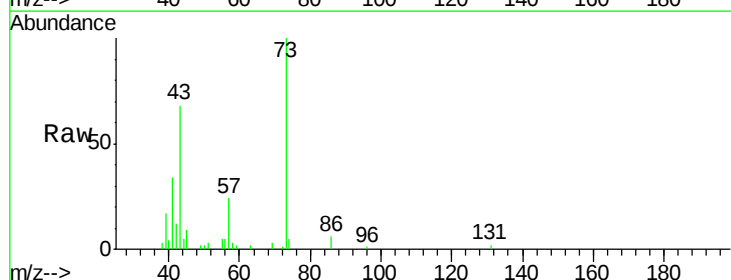
RT: 5.96 min Scan# 472

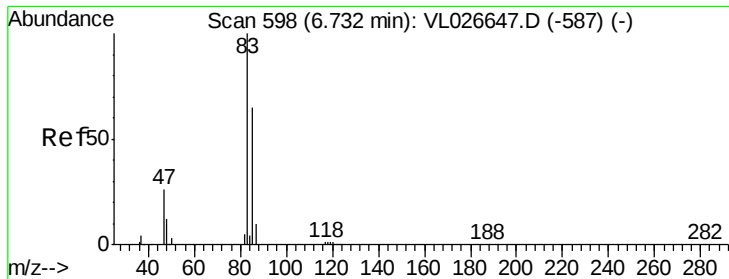
Delta R.T. 0.03 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.9	16.2	24.4





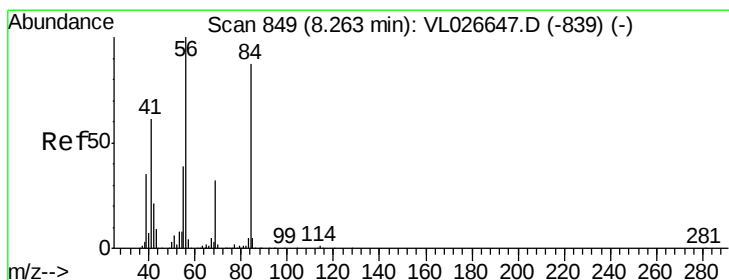
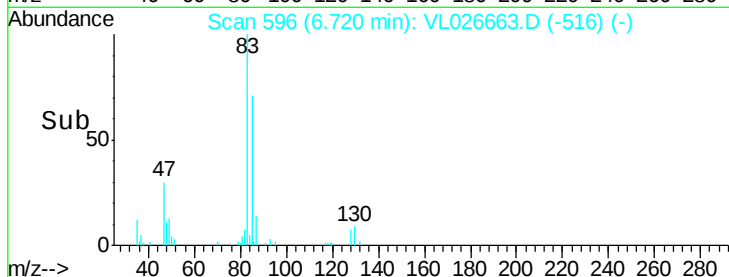
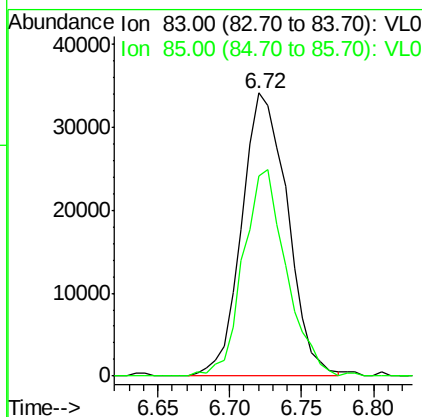
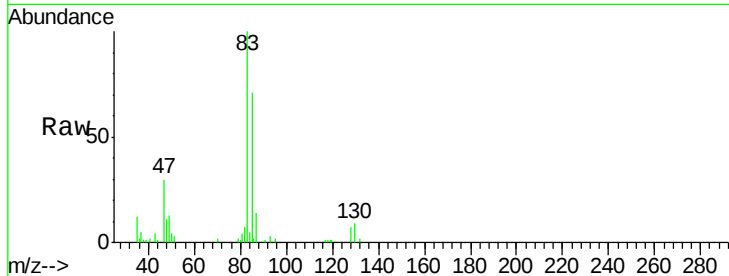
#29
Chloroform
Concen: 0.48 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion	83	Resp	75140
Ion Ratio	Lower	Upper	
83	100		
85	70.7	51.6	77.4

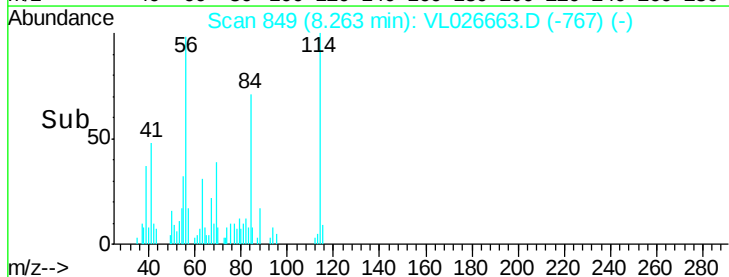
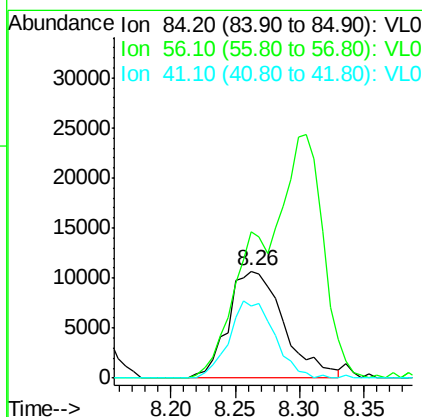
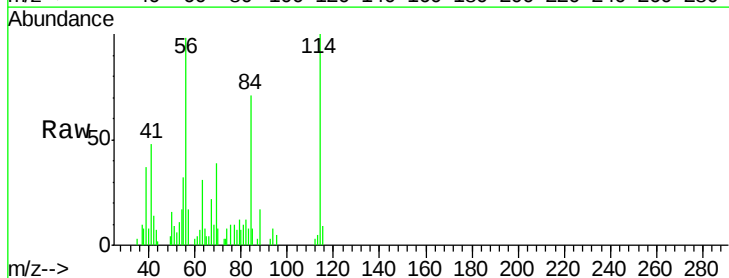
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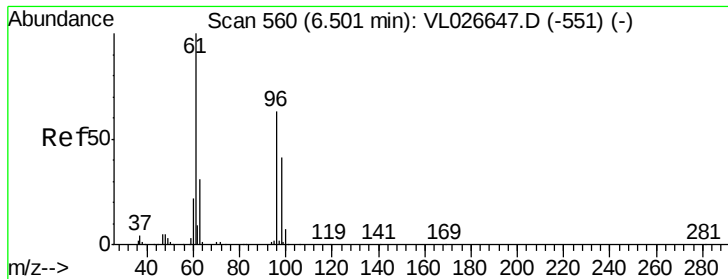
MMdadoda
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#30
Cyclohexane
Concen: 0.38 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion	84	Resp	32007
Ion Ratio	Lower	Upper	
84	100		
56	0.0	95.9	143.9#
41	58.8	54.8	82.2





#31

cis-1,2-Dichloroethene

Concen: 0.35 ppbv

RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tot Ion:	61	Resp:	30244
Ion	Ratio	Lower	Upper
61	100		
96	66.6	50.2	75.4
98	37.3	32.4	48.6

Instrument :

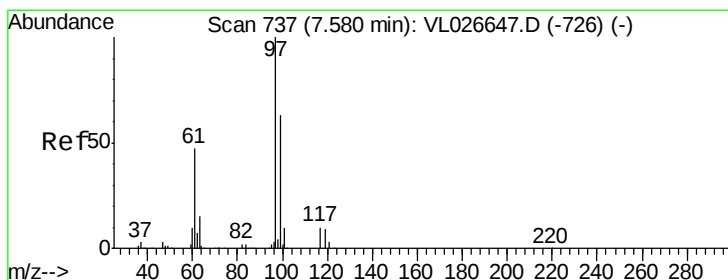
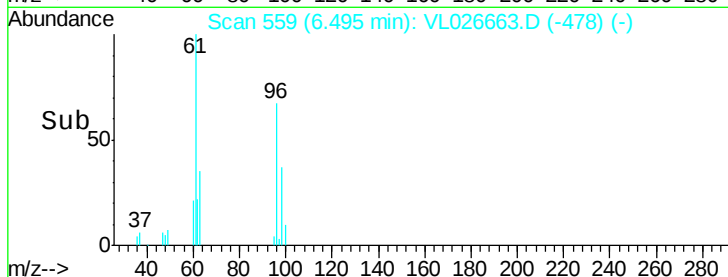
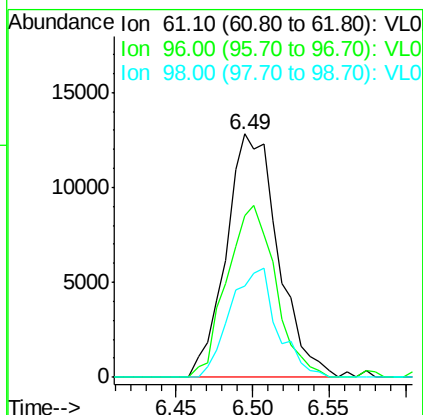
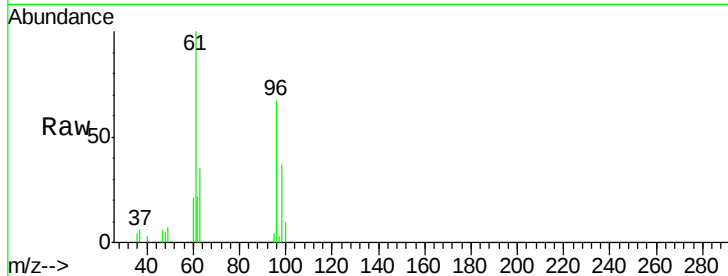
MSVOA_L

ClientSampleId :

MDL-AIR-5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.44 ppbv

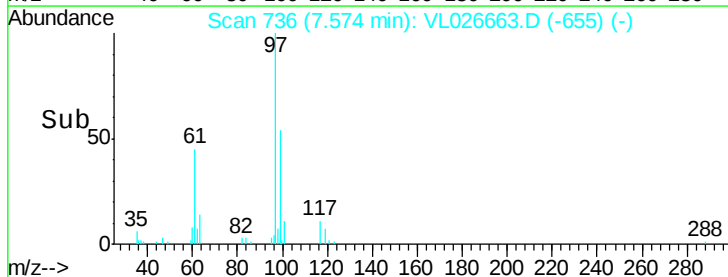
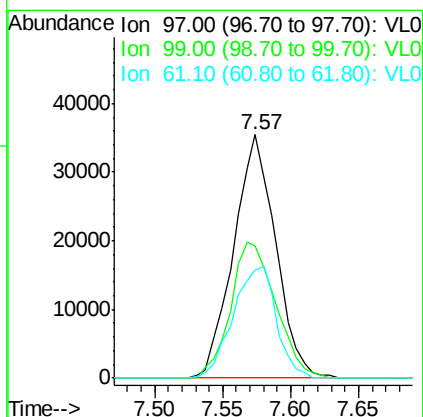
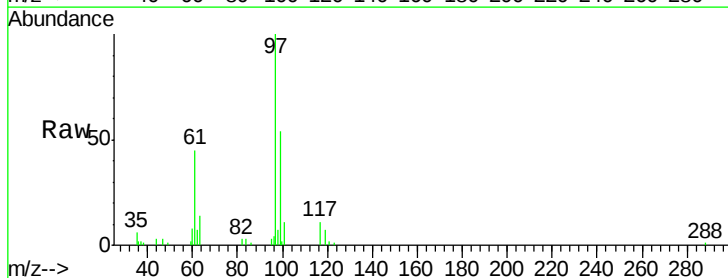
RT: 7.57 min Scan# 736

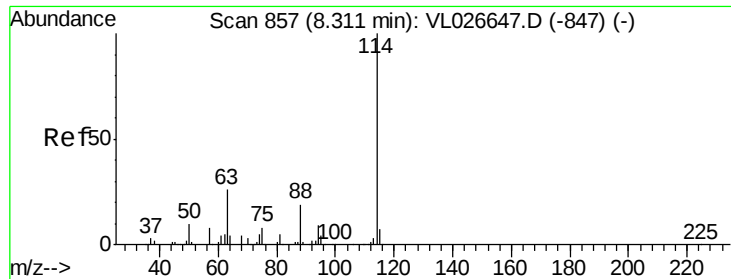
Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:	97	Resp:	76594
Ion	Ratio	Lower	Upper
97	100		
99	59.6	50.8	76.2
61	47.2	38.9	58.3





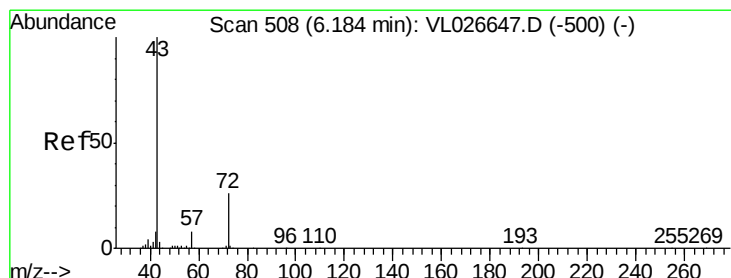
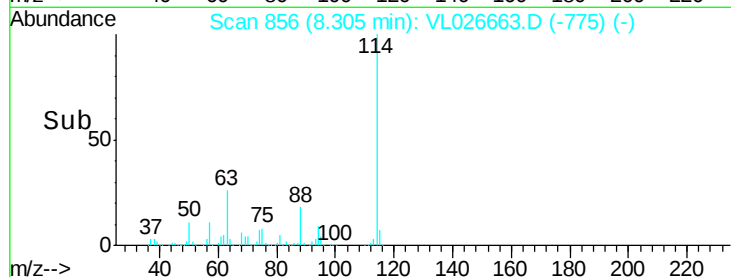
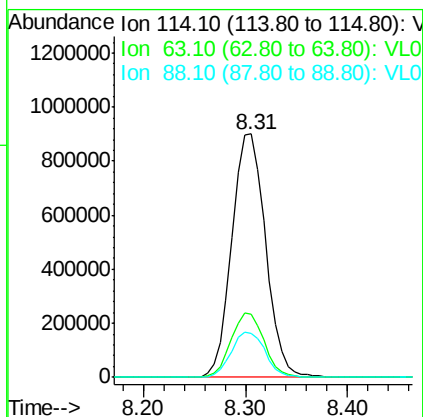
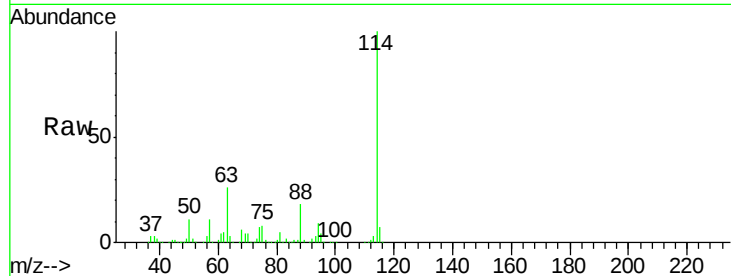
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.7	32.5
88	18.7	15.2	22.8

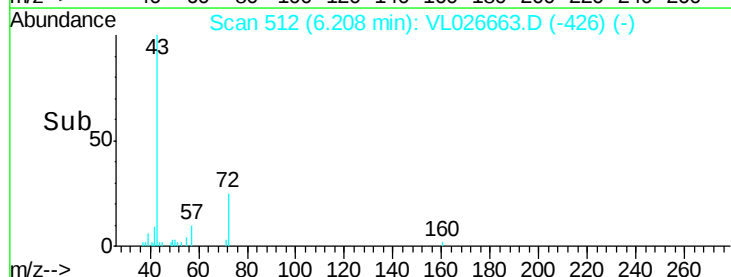
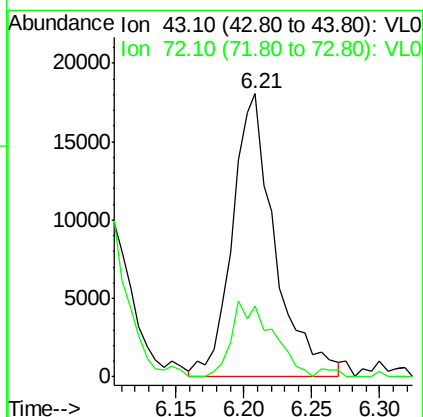
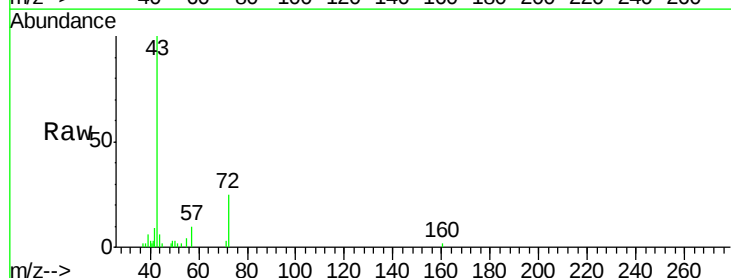
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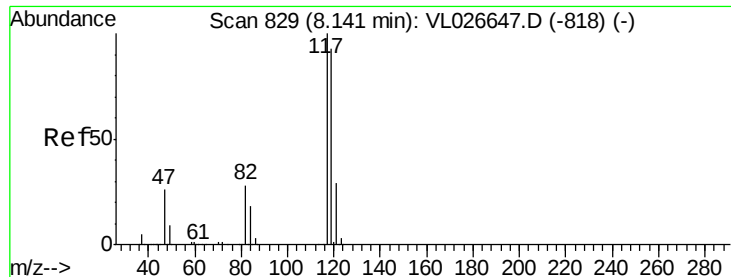
MMdadoda
 1/14/2016 10:51:20 AM



#34
 2-Butanone
 Concen: 0.36 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.9	31.3





#35

Carbon Tetrachloride

Concen: 0.40 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

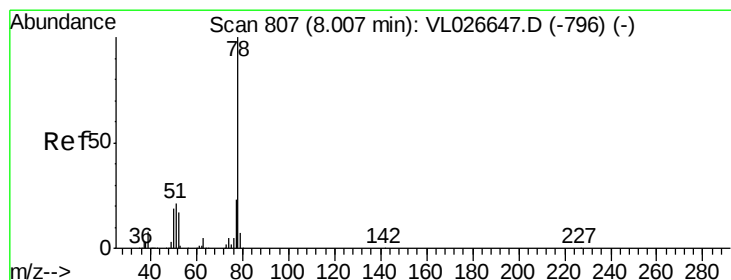
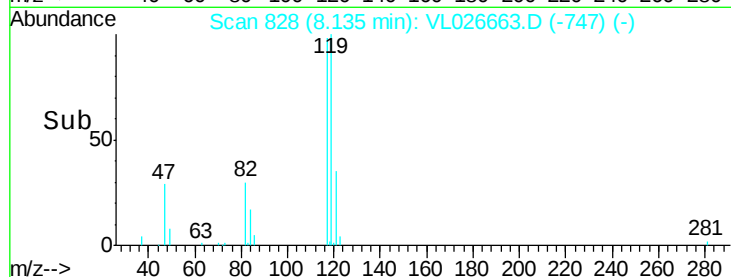
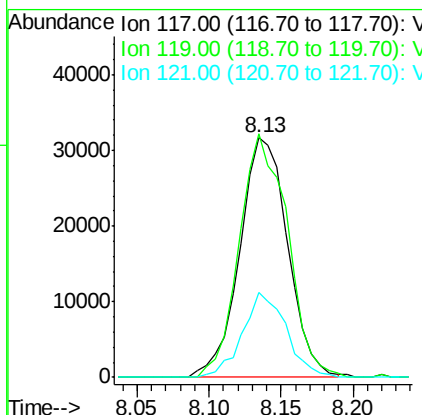
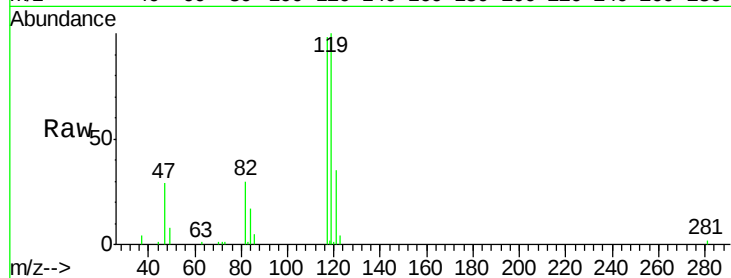
ClientSampleId :

MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
117	100		
119	101.7	74.7	112.1
121	35.3	23.1	34.7#

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#36

Benzene

Concen: 0.31 ppbv

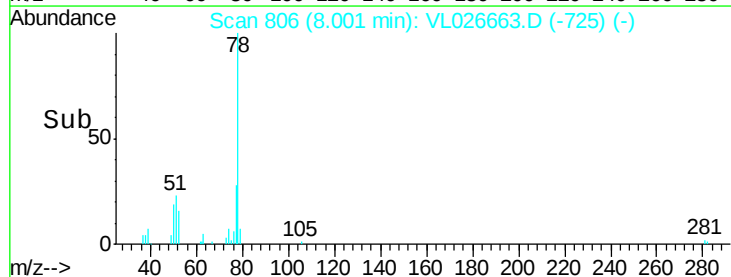
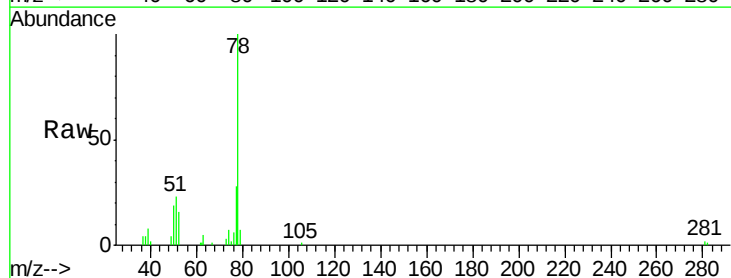
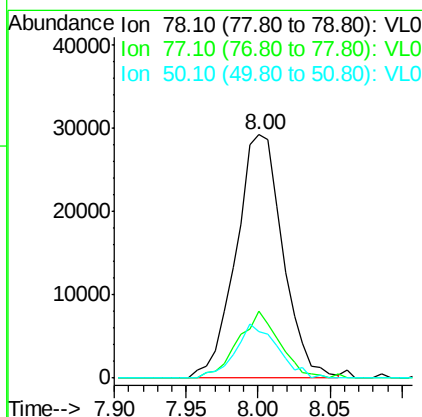
RT: 8.00 min Scan# 806

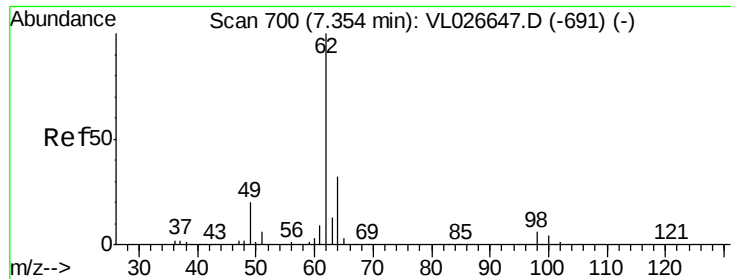
Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.5	18.5	27.7
50	18.9	15.4	23.2





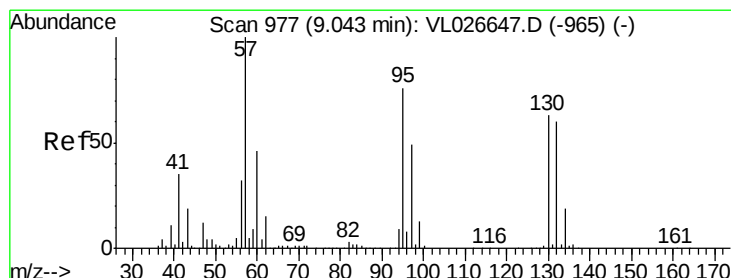
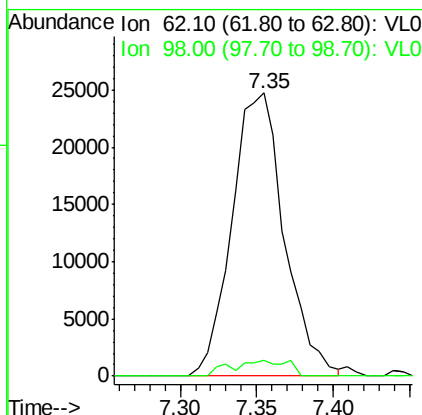
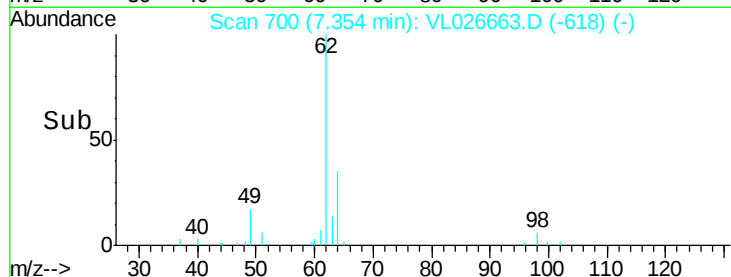
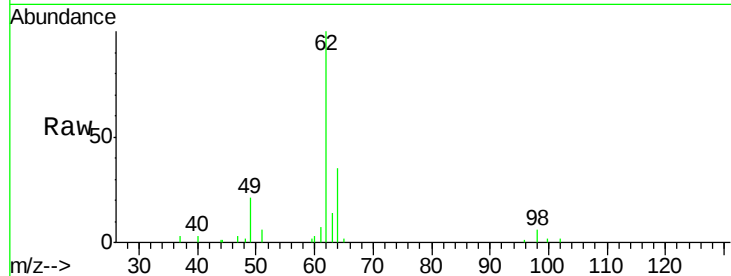
#37
 1,2-Dichloroethane
 Concen: 0.40 ppbv
 RT: 7.35 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.8	7.2

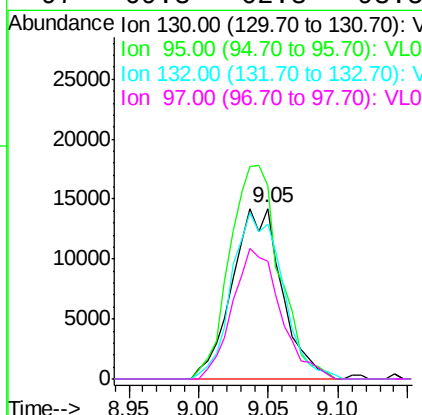
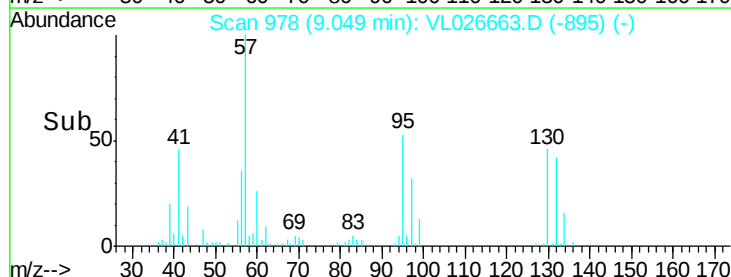
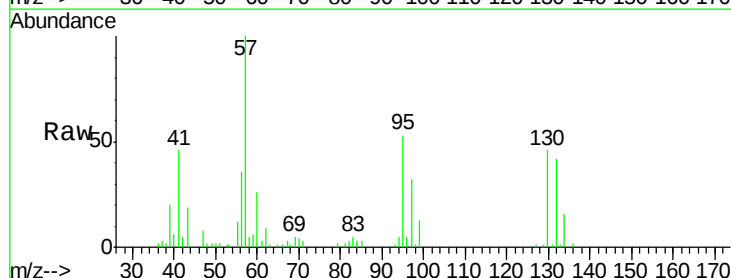
Manual Integrations
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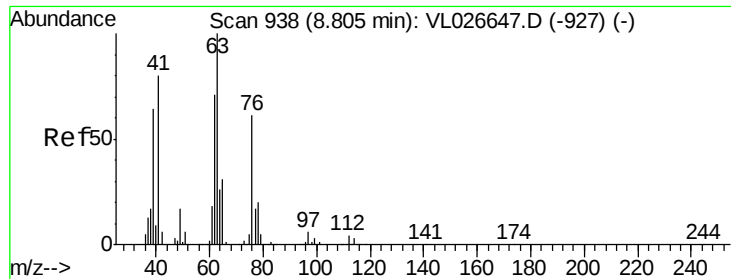
MMdadoda
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#38
 Trichloroethene
 Concen: 0.37 ppbv m
 RT: 9.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.4	96.6	145.0
132	90.5	76.2	114.4
97	69.3	62.3	93.5





#39

1,2-Dichloropropane

Concen: 0.40 ppbv

RT: 8.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

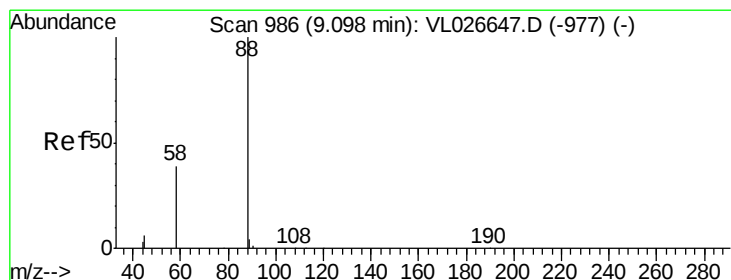
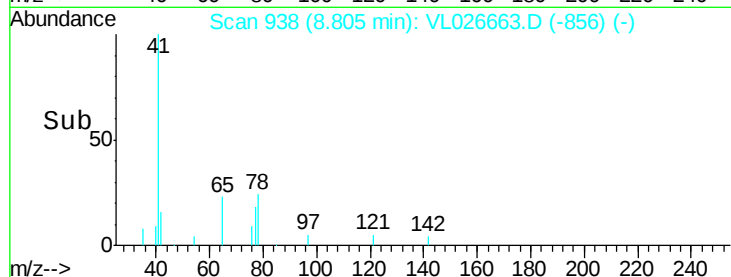
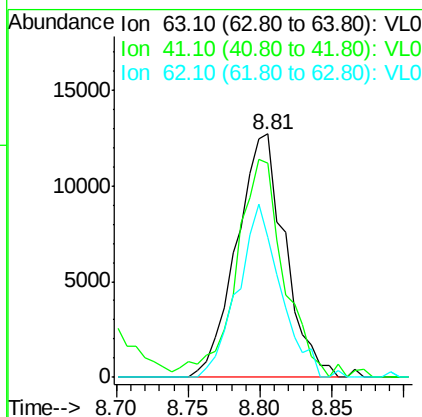
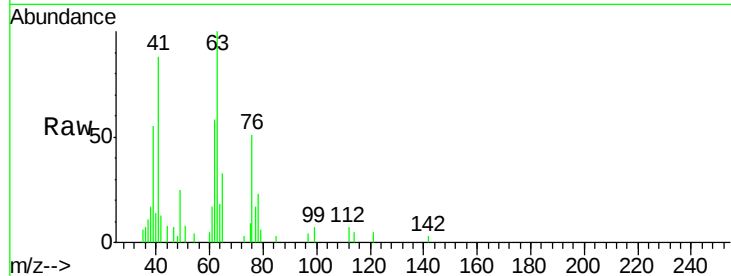
ClientSampleId :

MDL-AIR-5

Tot Ion:	63	Resp:	29721
Ion Ratio	Lower	Upper	
63	100		
41	82.8	64.1	96.1
62	57.7	56.6	84.8

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.24 ppbv m

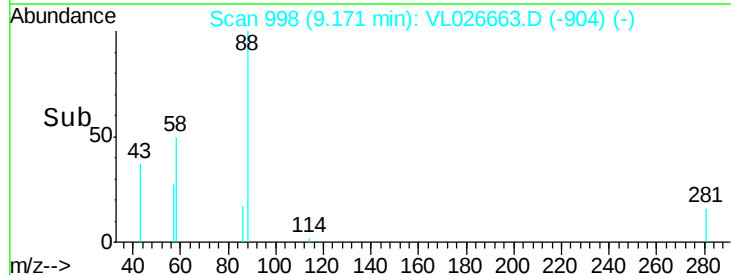
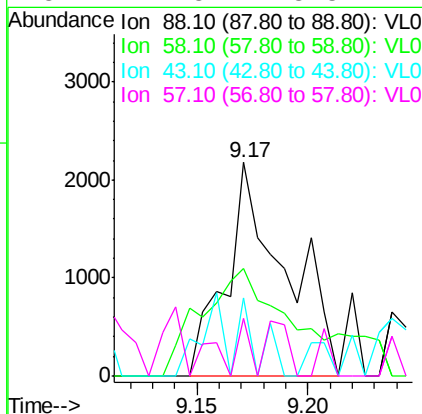
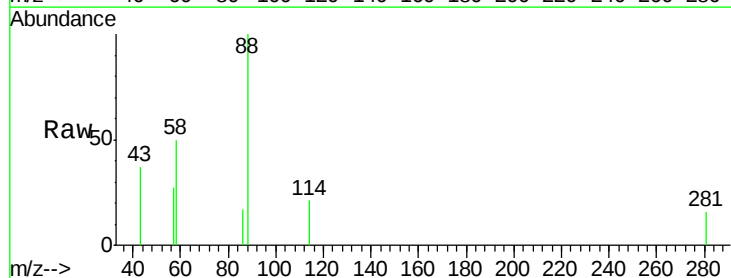
RT: 9.17 min Scan# 998

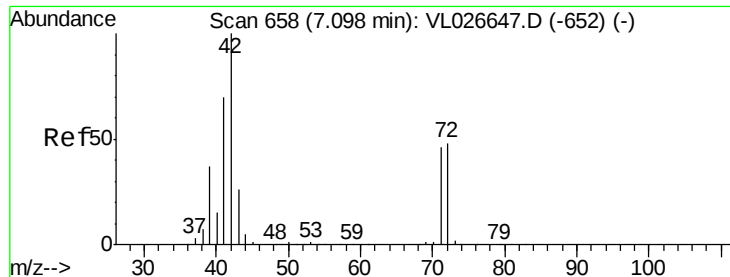
Delta R.T. 0.07 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:	88	Resp:	4054
Ion Ratio	Lower	Upper	
88	100		
58	107.8	109.4	164.2#
43	494.3	238.2	357.2#
57	2727.5	1148.3	1722.5#





#41

Tetrahydrofuran

Concen: 0.26 ppbv m

RT: 7.15 min Scan# 666

Delta R.T. 0.05 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

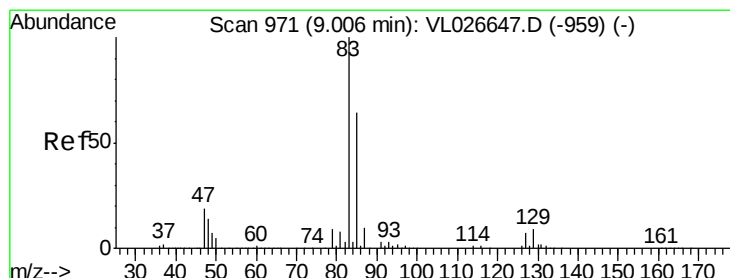
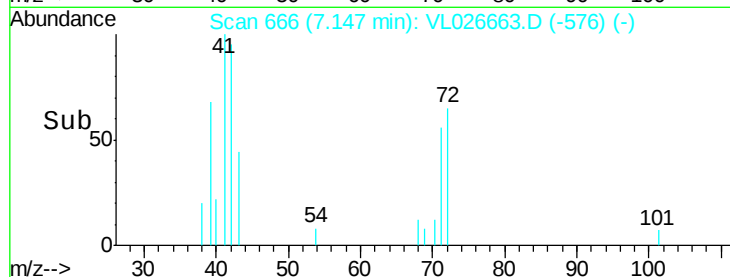
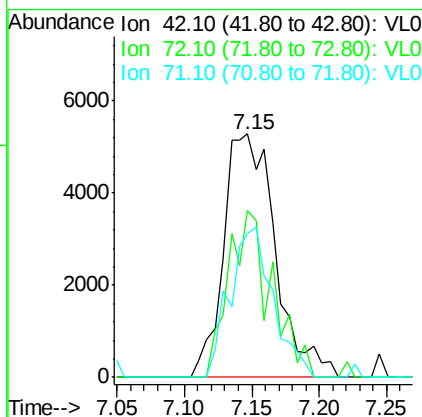
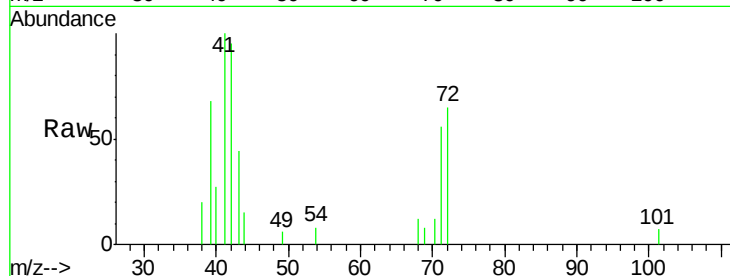
ClientSampleId :

MDL-AIR-5

Tot Ion:	42	Resp:	14102
Ion	Ratio	Lower	Upper
42	100		
72	57.0	40.6	60.8
71	51.4	38.4	57.6

Manual Integrations
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MMdadoda
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#42

Bromodichloromethane

Concen: 0.41 ppbv

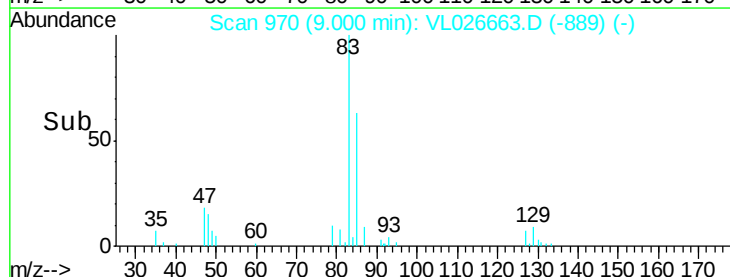
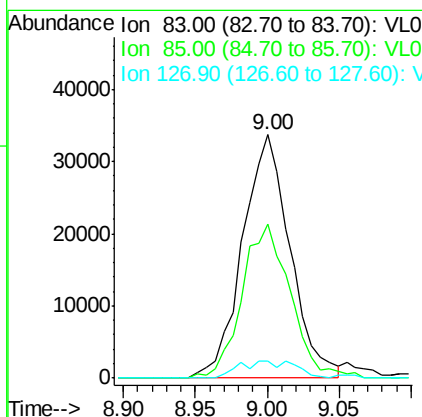
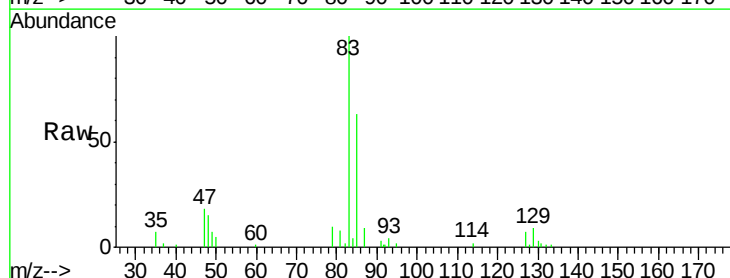
RT: 9.00 min Scan# 970

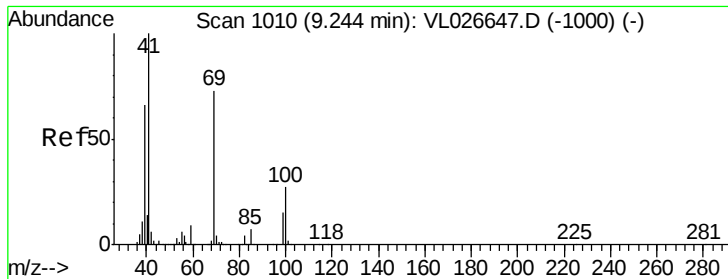
Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:	83	Resp:	77266
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.9	76.3
127	7.2	5.5	8.3





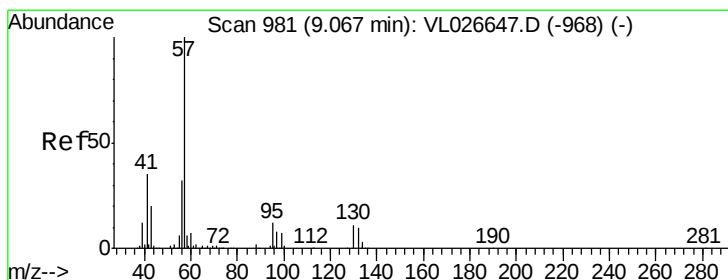
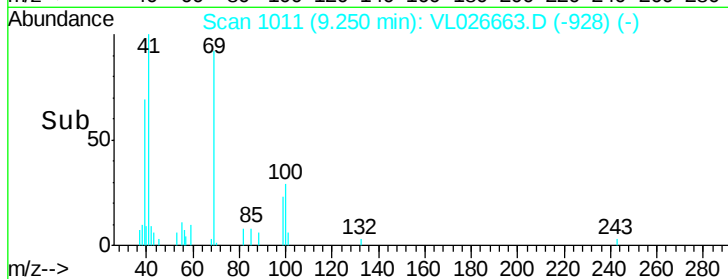
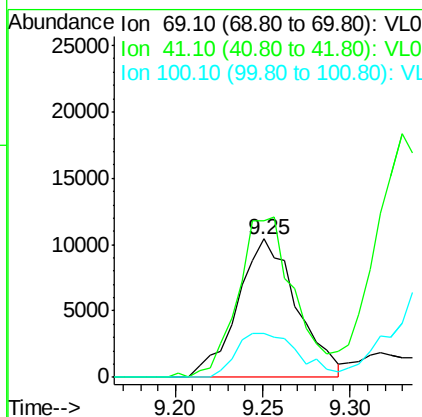
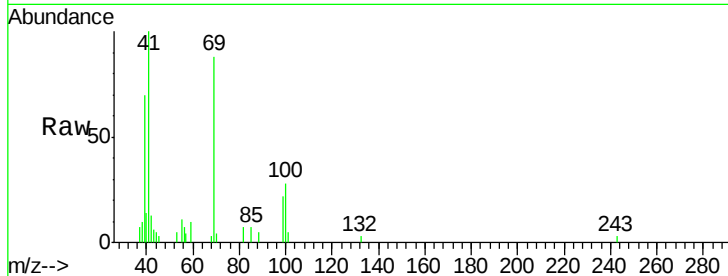
#43
Methvl Methacrilate
Concen: 0.32 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion: 69 Resp: 24692
Ion Ratio Lower Upper
69 100
41 109.0 106.1 159.1
100 33.0 29.0 43.4

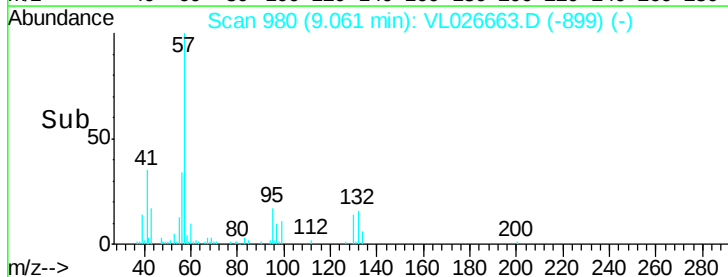
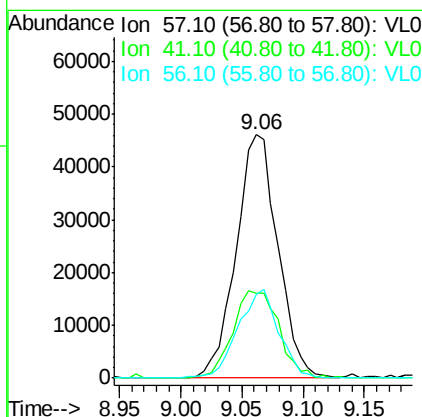
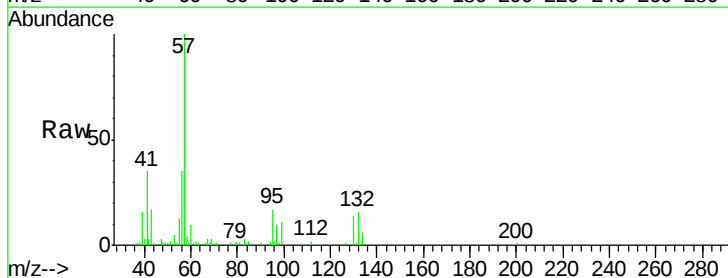
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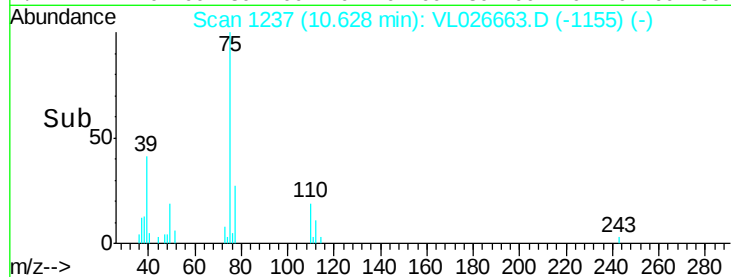
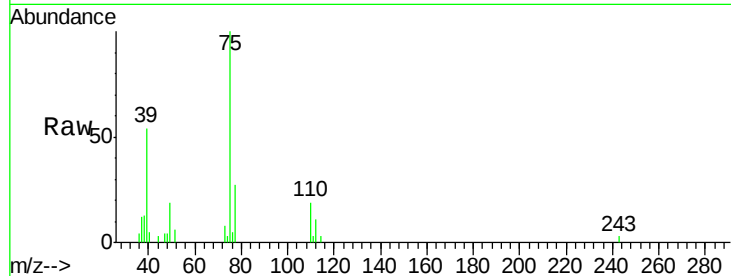
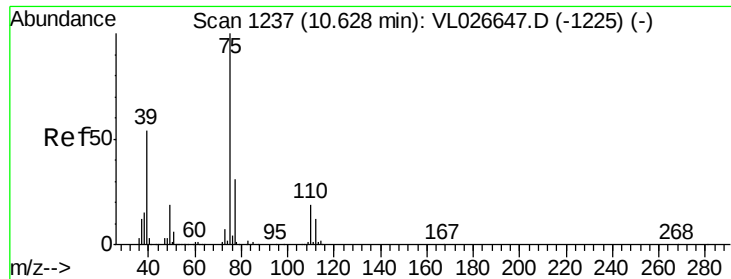
MMdadoda
1/14/2016 10:51:20 AM



#44
2,2,4-Trimethylpentane
Concen: 0.32 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion: 57 Resp: 109302
Ion Ratio Lower Upper
57 100
41 39.6 26.9 40.3
56 35.7 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 0.28 ppbv m

RT: 10.63 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tot Ion: 75 Resp: 35359

Ion Ratio Lower Upper

75 100

77 26.9 24.6 37.0

Instrument :

MSVOA_L

ClientSampleId :

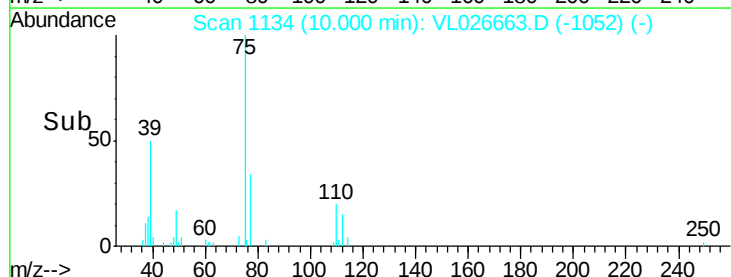
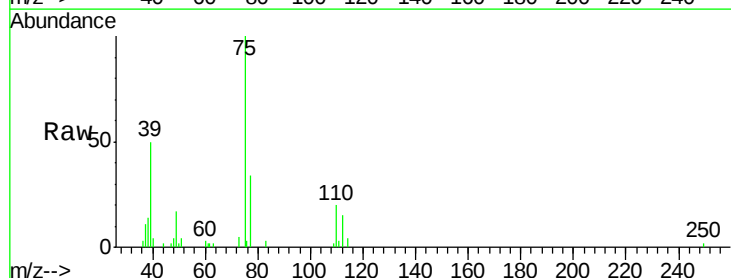
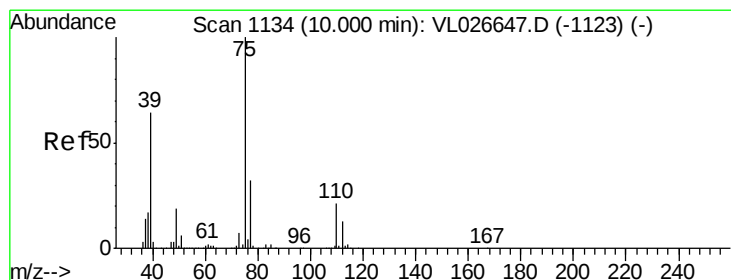
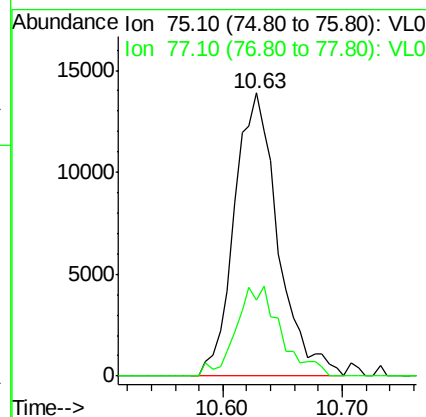
MDL-AIR-5

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#46

cis-1,3-Dichloropropene

Concen: 0.29 ppbv

RT: 10.00 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

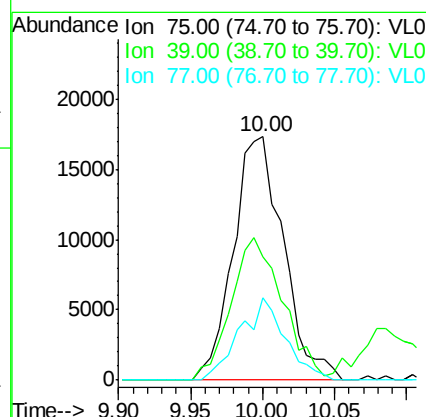
Tgt Ion: 75 Resp: 42009

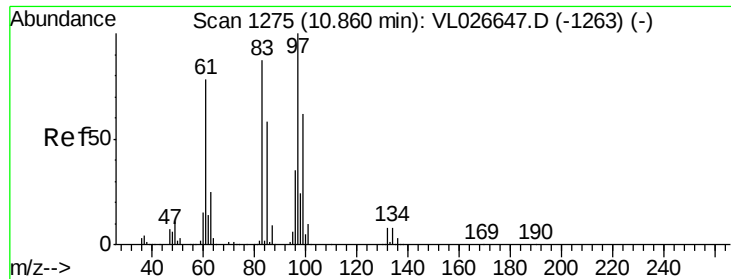
Ion Ratio Lower Upper

75 100

39 50.4 51.2 76.8#

77 33.9 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 0.40 ppbv

RT: 10.85 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

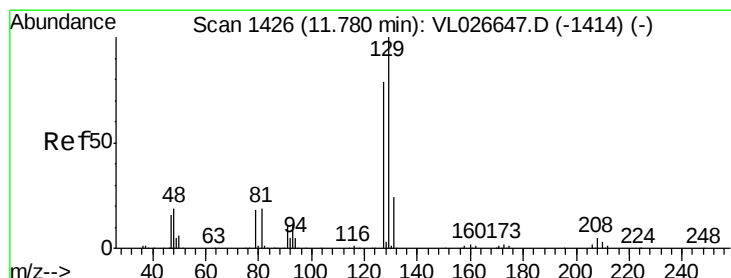
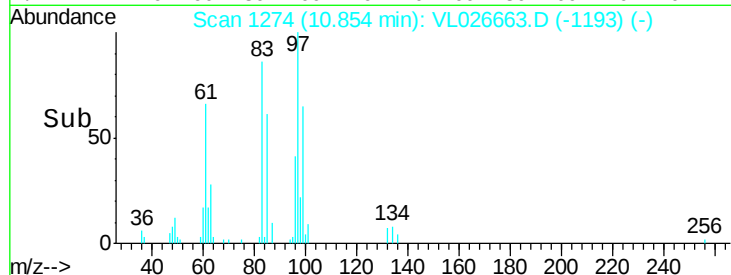
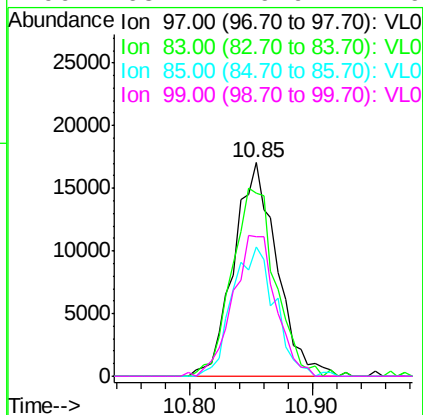
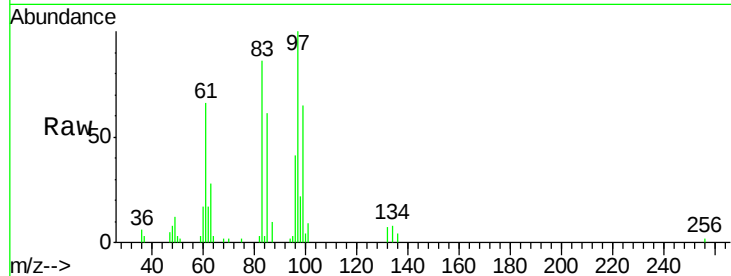
ClientSampleId :

MDL-AIR-5

Tot Ion:	97	Resp:	41762
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.5	104.3
85	60.8	46.4	69.6
99	65.1	49.9	74.9

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#48

Dibromochloromethane

Concen: 0.41 ppbv

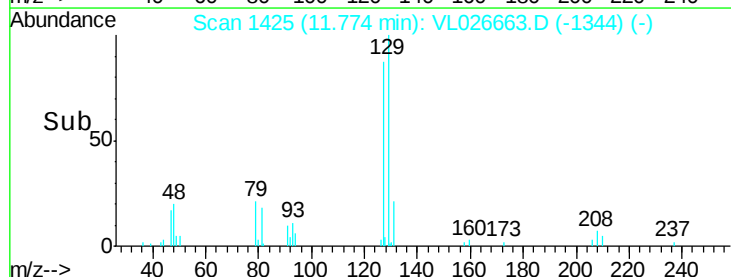
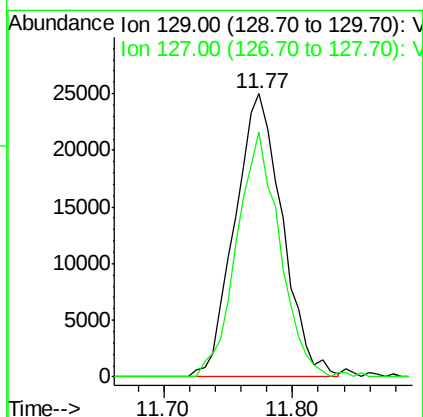
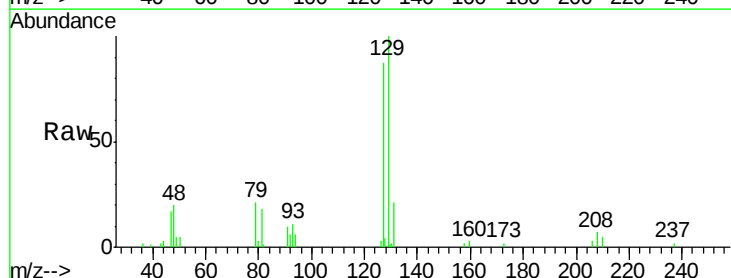
RT: 11.77 min Scan# 1425

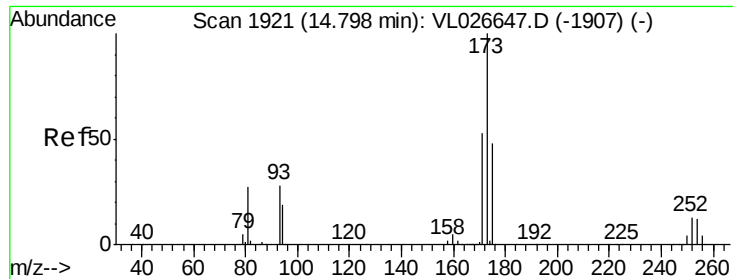
Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:	129	Resp:	63886
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.5	118.5





#49

Bromoform

Concen: 0.42 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

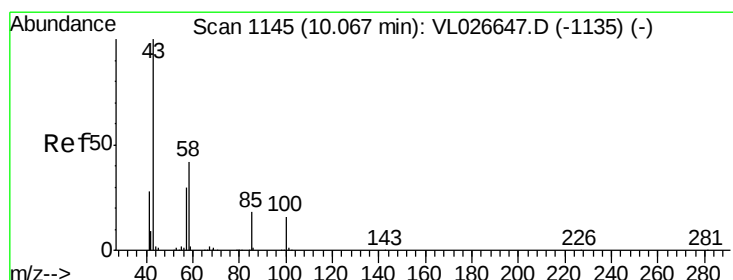
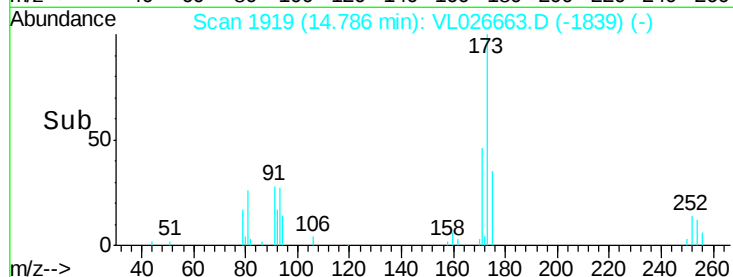
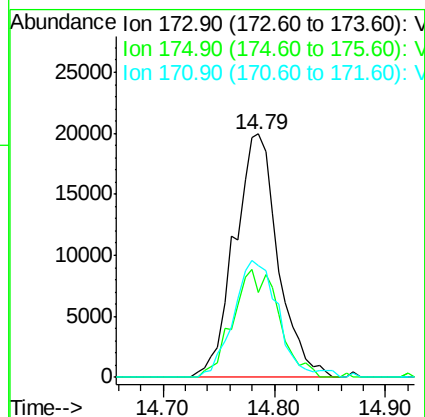
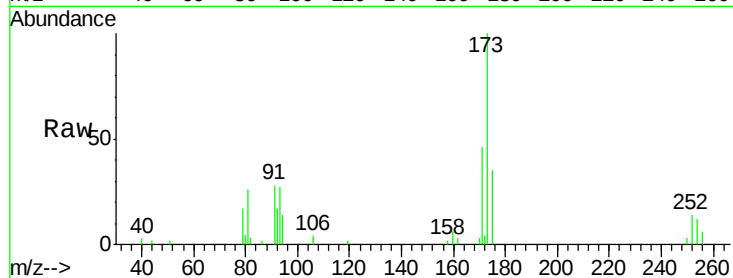
ClientSampleId :

MDL-AIR-5

Tot Ion:173 Resp: 54148
 Ion Ratio Lower Upper
 173 100
 175 47.0 38.6 58.0
 171 49.7 41.5 62.3

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#50

4-Methyl-2-Pentanone

Concen: 0.28 ppbv

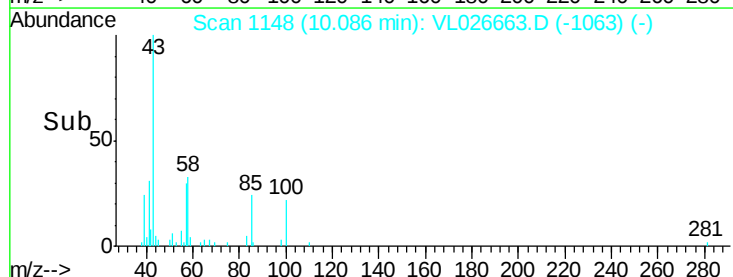
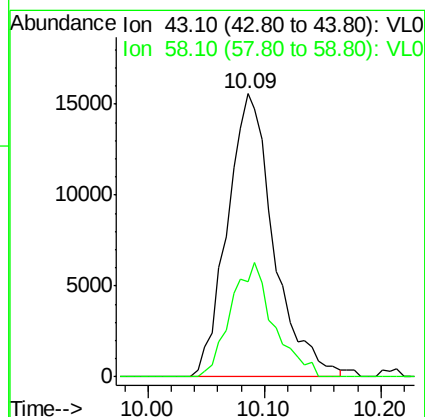
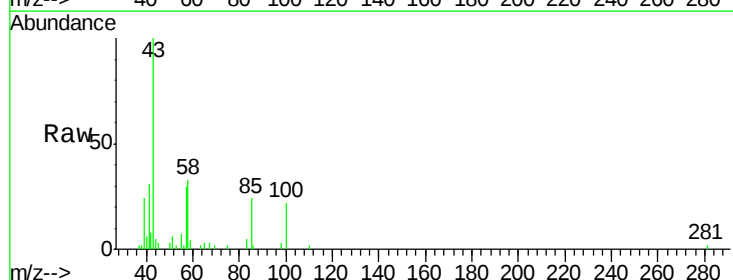
RT: 10.09 min Scan# 1148

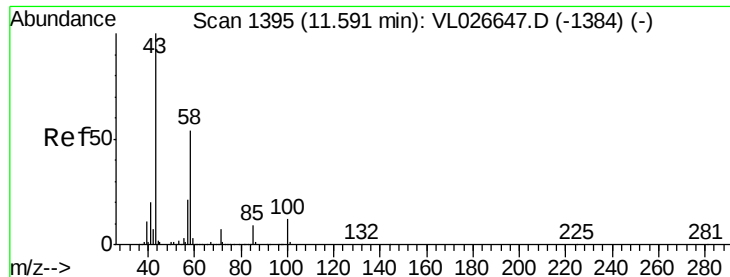
Delta R.T. 0.02 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion: 43 Resp: 43060
 Ion Ratio Lower Upper
 43 100
 58 37.1 32.4 48.6





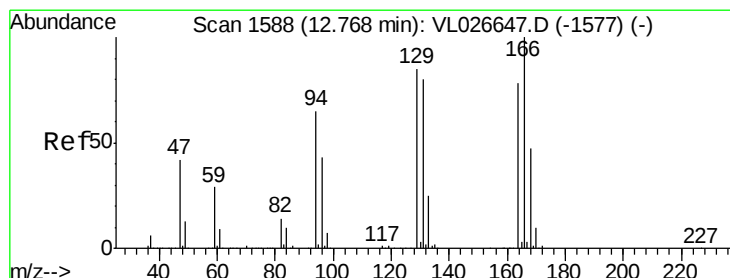
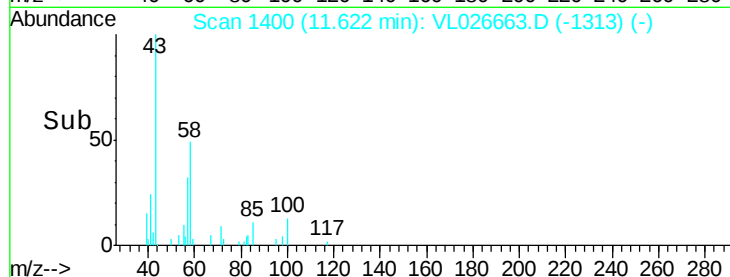
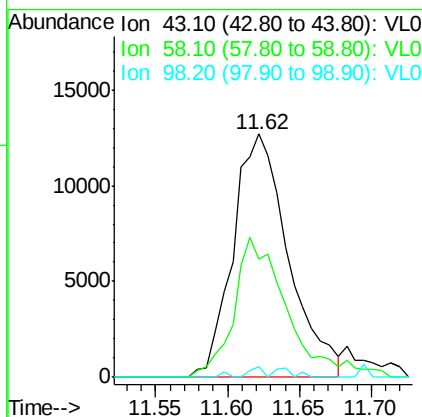
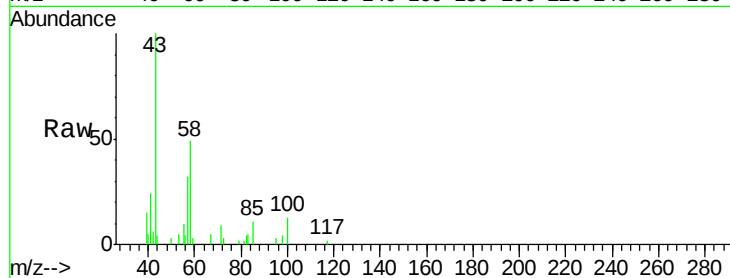
#51
2-Hexanone
Concen: 0.24 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.03 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.9	67.3
98	2.6	0.2	0.2#

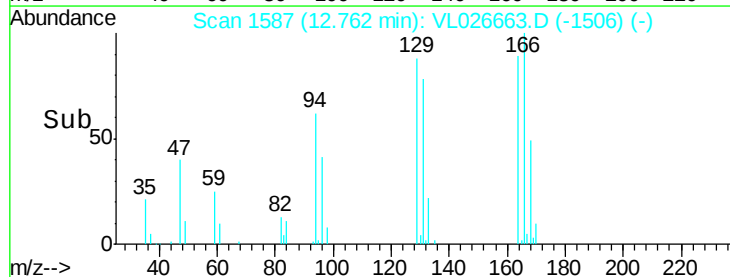
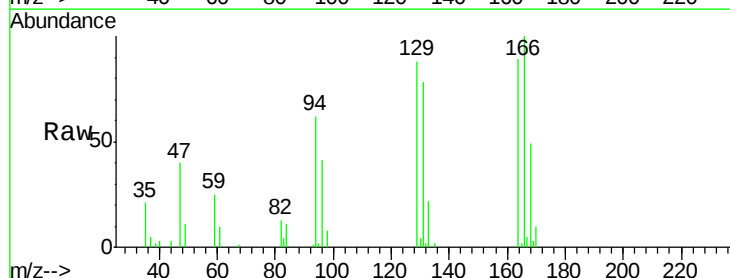
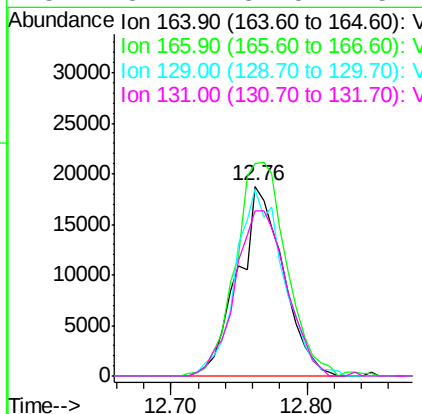
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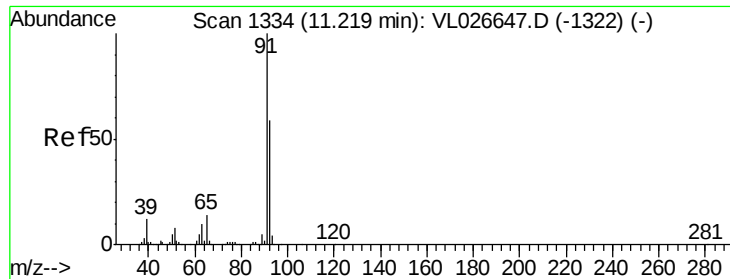
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#52
Tetrachloroethene
Concen: 0.41 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.4	102.5	153.7
129	98.8	87.0	130.6
131	87.1	82.5	123.7





#53

Toluene

Concen: 0.32 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

Tot Ion: 91 Resp: 95611

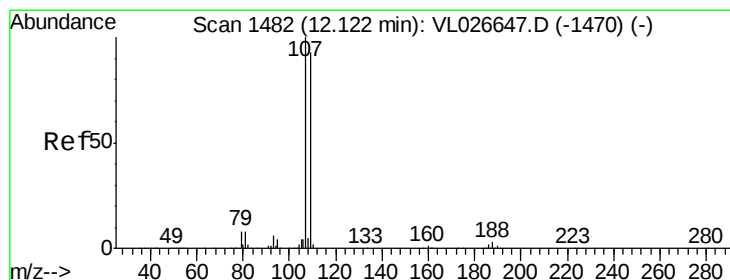
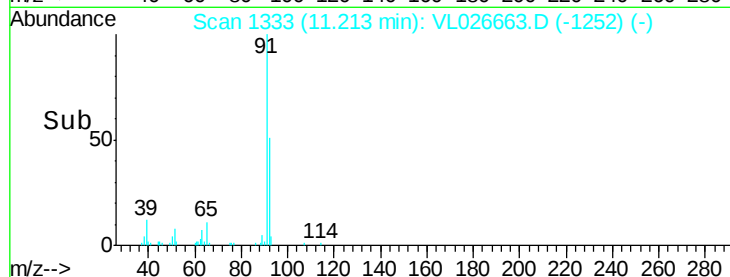
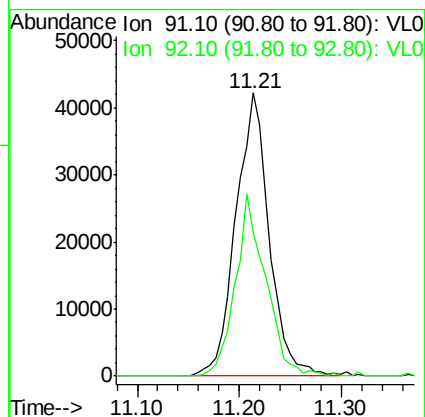
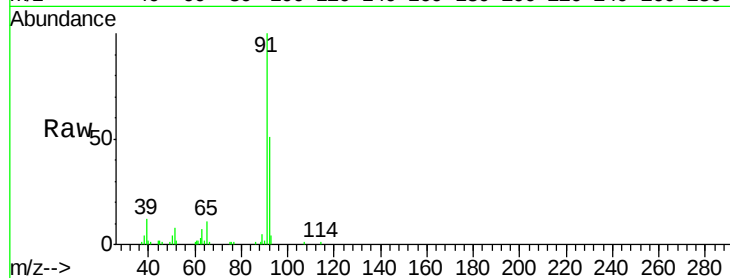
Ion Ratio Lower Upper

91 100

92 58.6 48.2 72.4

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#54

1,2-Dibromoethane

Concen: 0.43 ppbv m

RT: 12.11 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VL026663.D

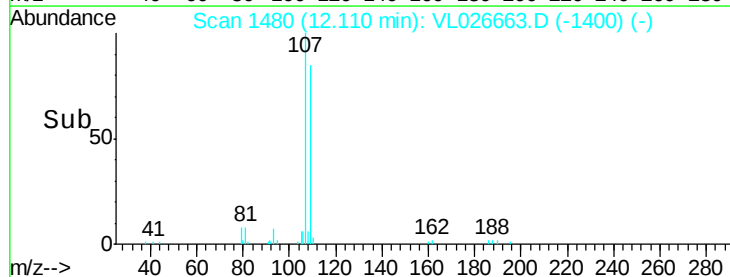
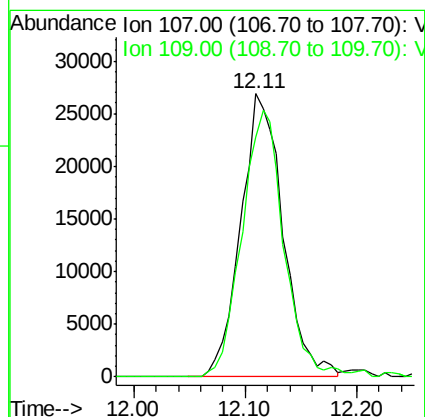
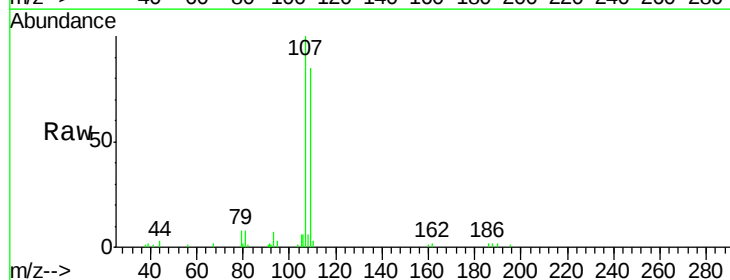
Acq: 9 Jan 2016 6:25

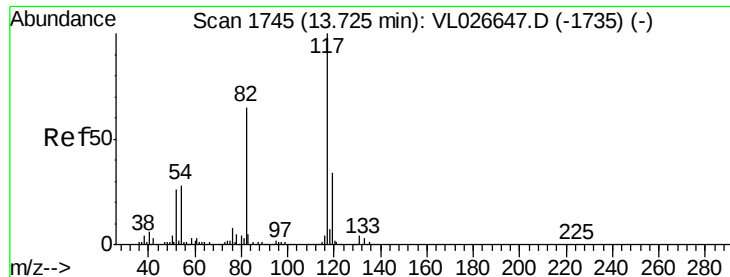
Tgt Ion: 107 Resp: 70732

Ion Ratio Lower Upper

107 100

109 84.6 74.1 111.1





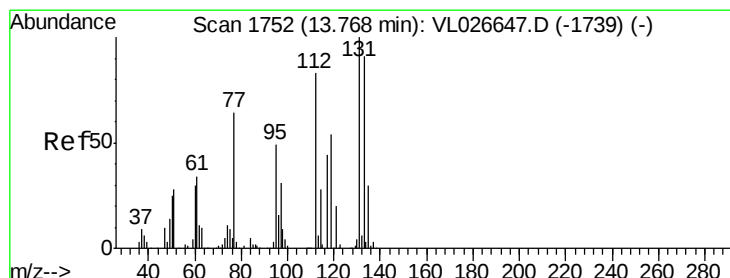
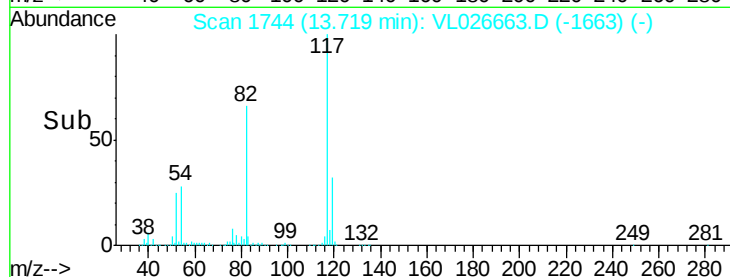
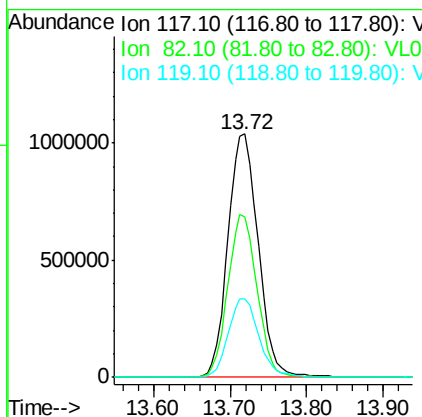
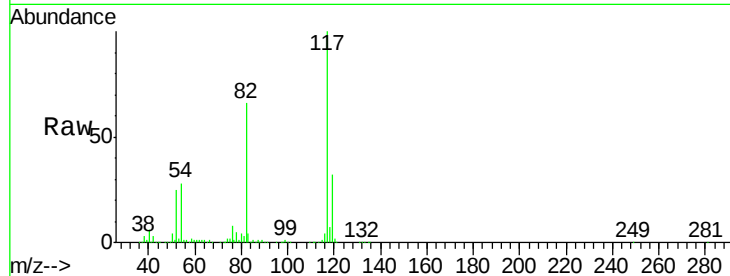
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.72 min Scan# 1744
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	49.7	74.5
119	33.0	43.8	65.8#

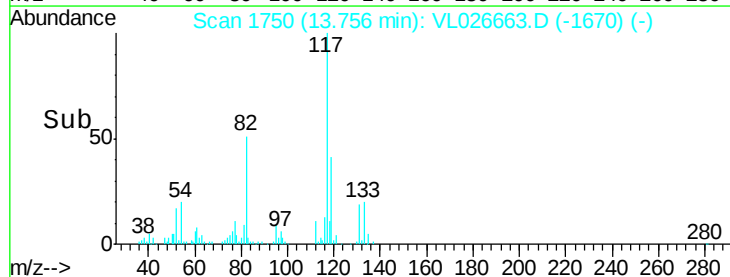
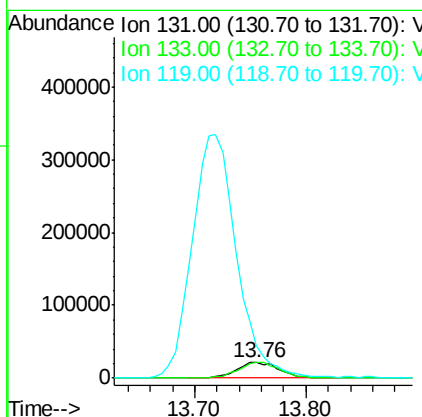
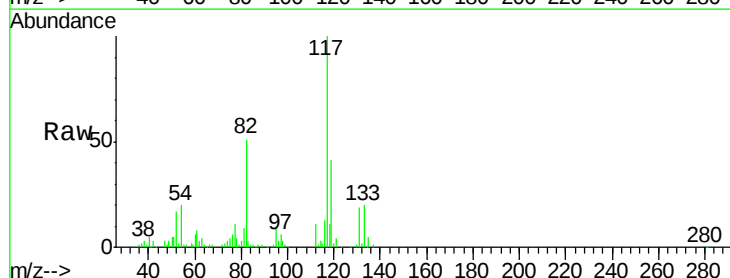
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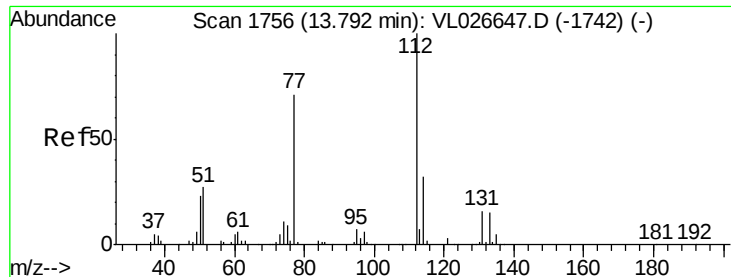
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.44 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	76.2	114.4
119	1632.0	104.3	156.5#





#57

Chlorobenzene

Concen: 0.46 ppbv

RT: 13.78 min Scan# 1754

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

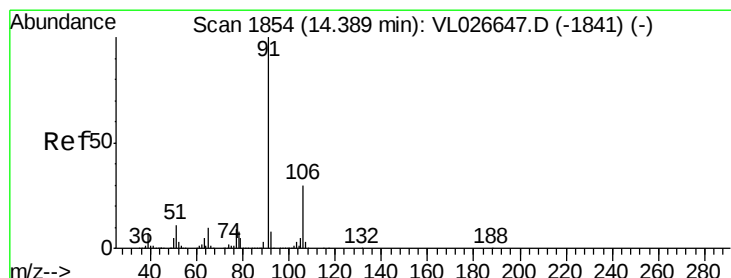
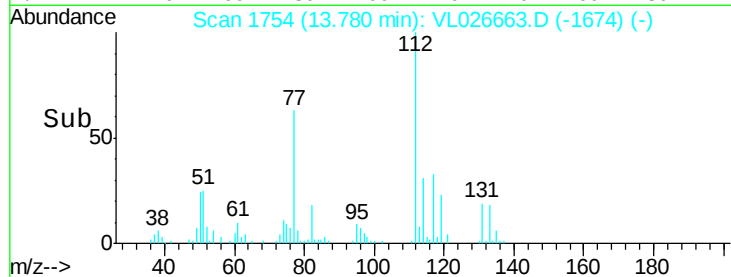
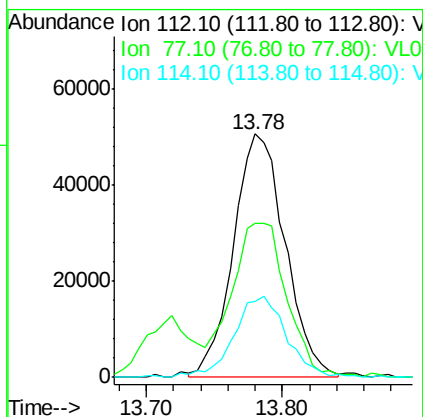
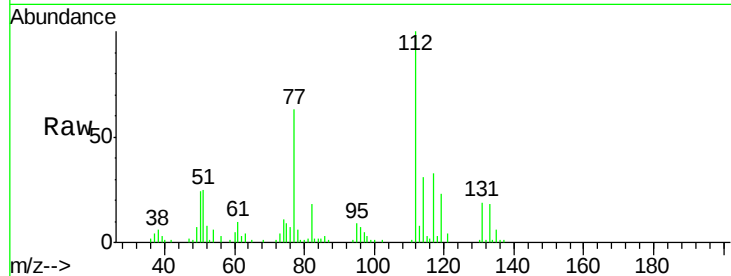
ClientSampleId :

MDL-AIR-5

Tot Ion:	112	Resp:	134474
Ion Ratio	Lower	Upper	
112	100		
77	62.8	56.9	85.3
114	30.3	28.8	35.2

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#58

Ethyl Benzene

Concen: 0.32 ppbv

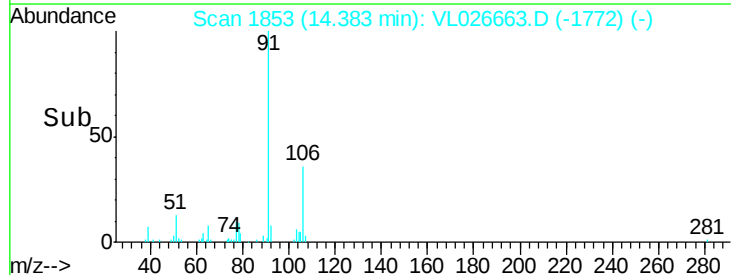
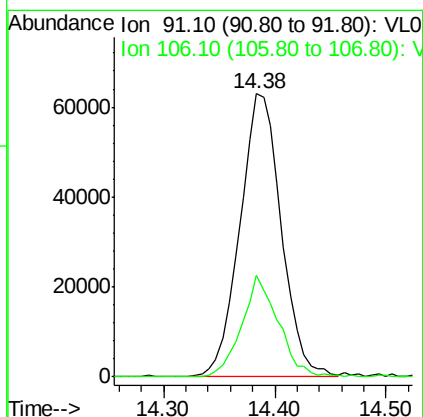
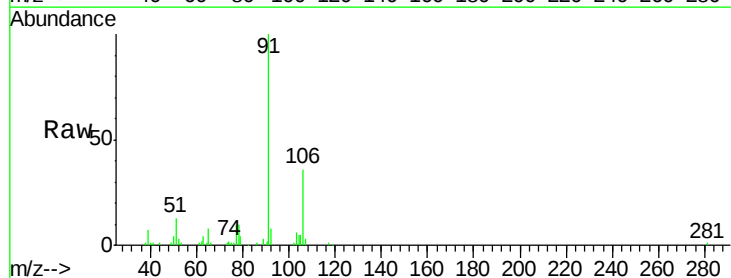
RT: 14.38 min Scan# 1853

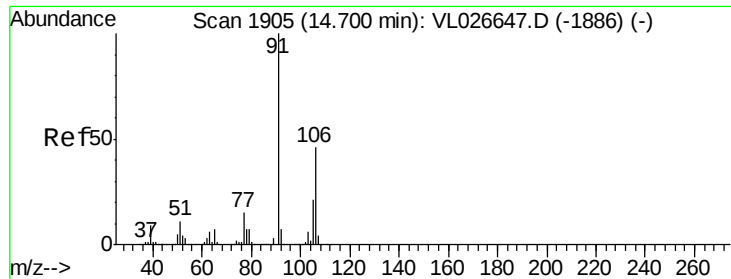
Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:	91	Resp:	162857
Ion Ratio	Lower	Upper	
91	100		
106	35.8	23.8	35.6#





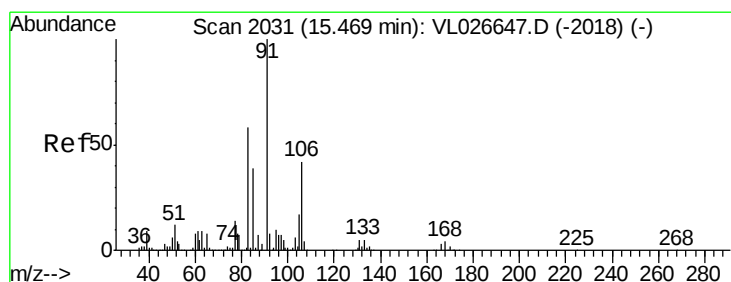
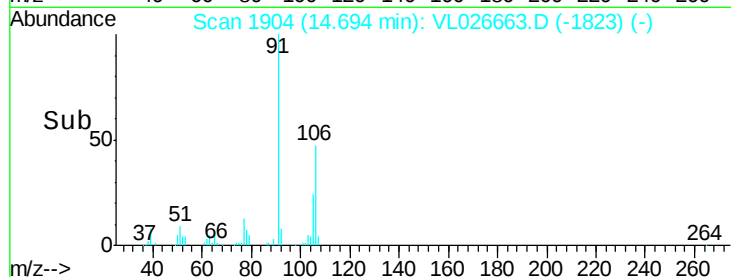
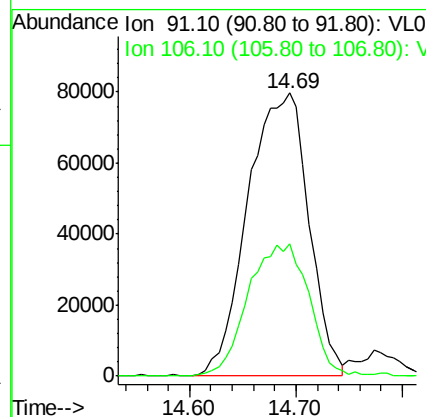
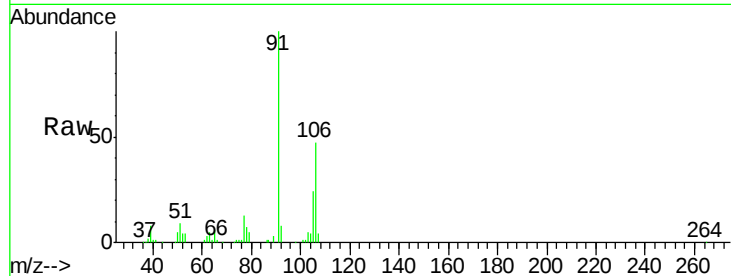
#59
m/p-Xylene
Concen: 0.76 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion: 91 Resp: 317002
Ion Ratio Lower Upper
91 100
106 46.8 36.6 55.0

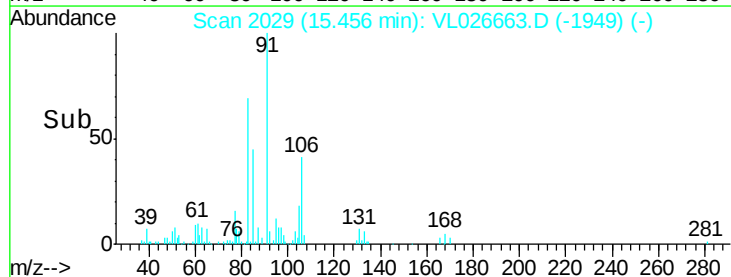
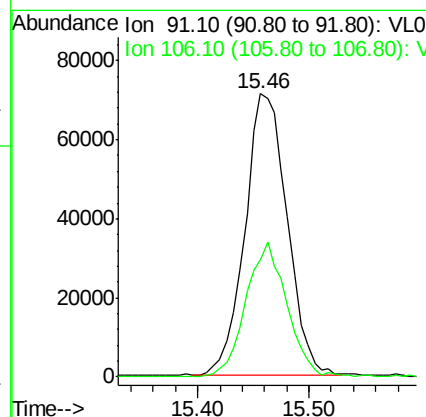
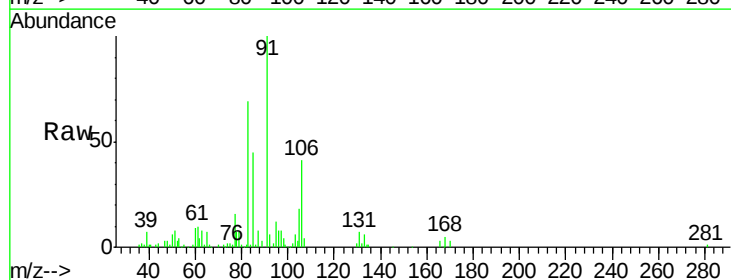
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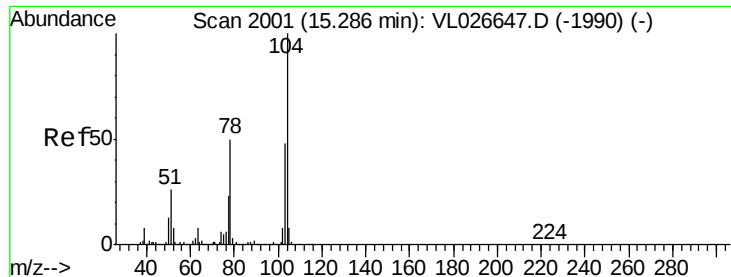
MMdadoda
1/14/2016 10:51:20 AM



#60
o-Xylene
Concen: 0.42 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion: 91 Resp: 188462
Ion Ratio Lower Upper
91 100
106 46.3 21.5 64.5





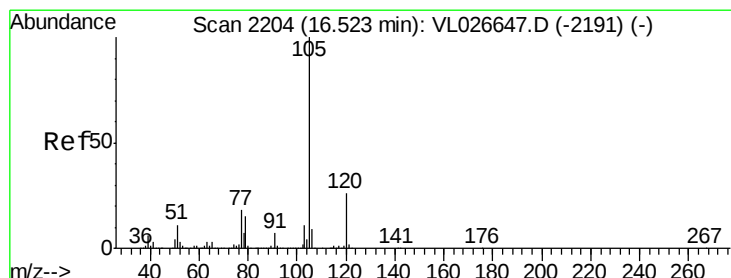
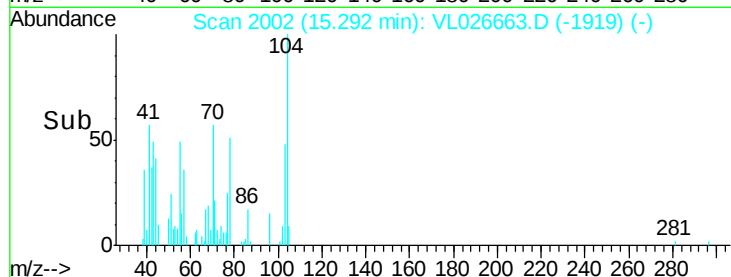
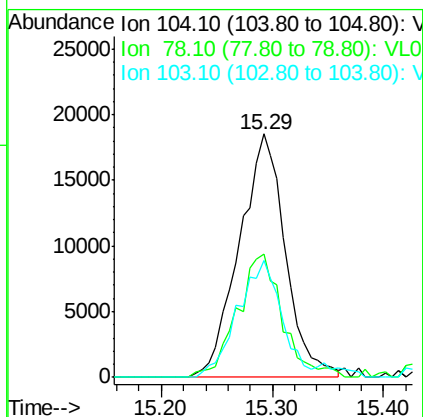
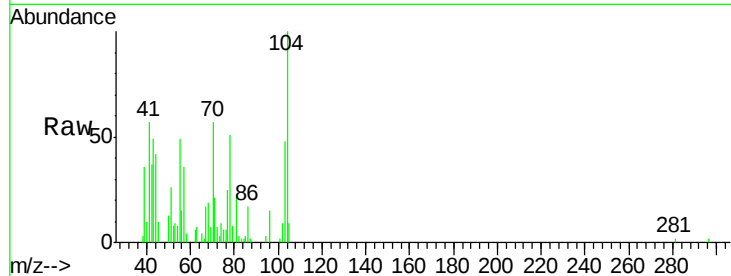
#61
Stvrene
Concen: 0.30 ppbv
RT: 15.29 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.6	59.4
103	48.9	37.8	56.6

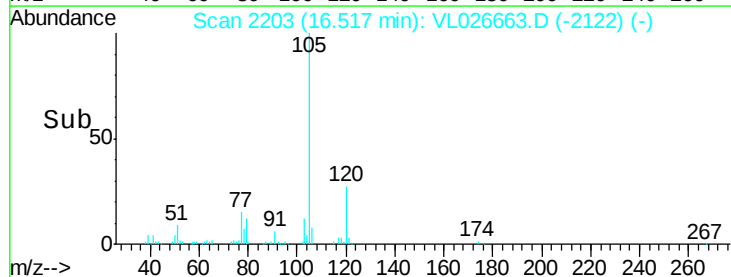
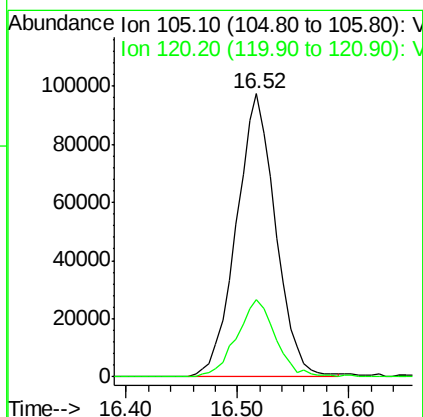
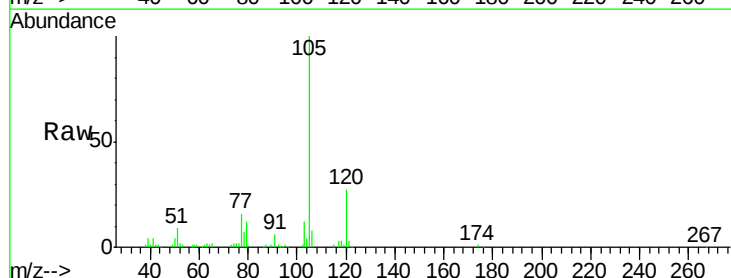
Manual Integrations
APPROVED

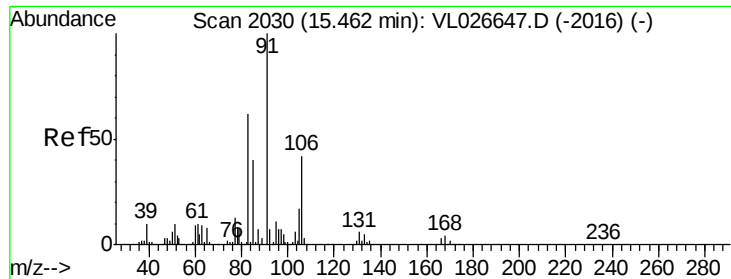
MMdadoda
1/14/2016 10:51:20 AM



#62
Isopropylbenzene
Concen: 0.40 ppbv
RT: 16.52 min Scan# 2203
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	20.3	30.5





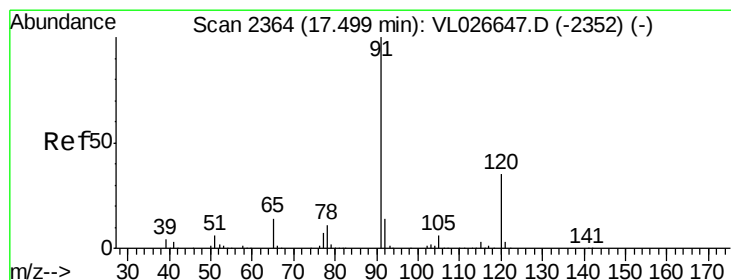
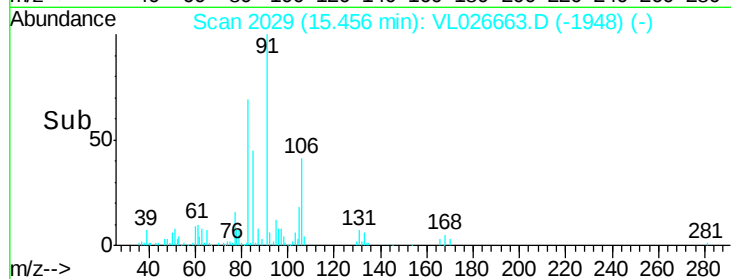
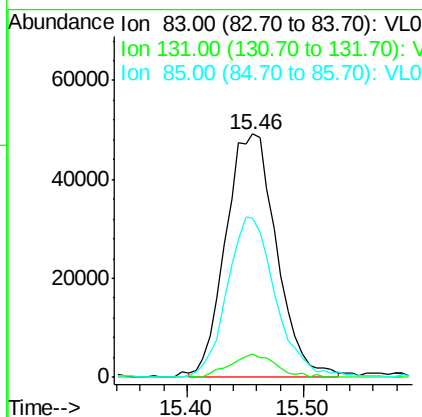
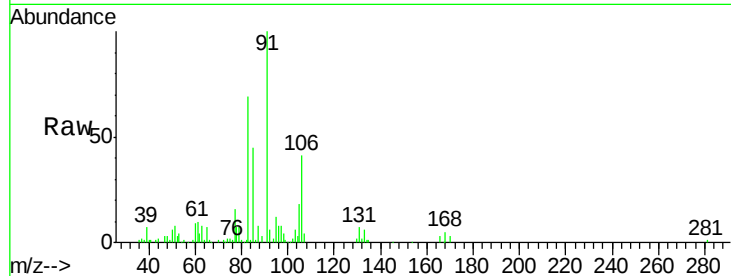
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.44 ppbv
 RT: 15.46 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149454		
131	8.6	4.5	13.4	
85	63.1	32.6	97.7	

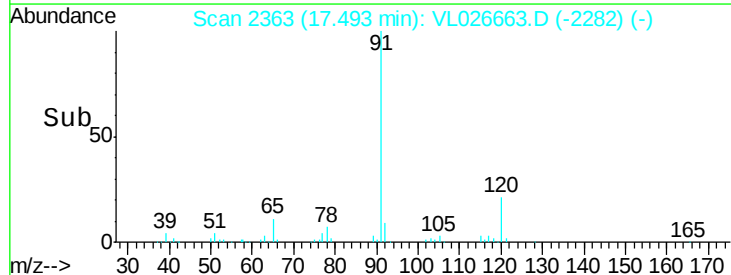
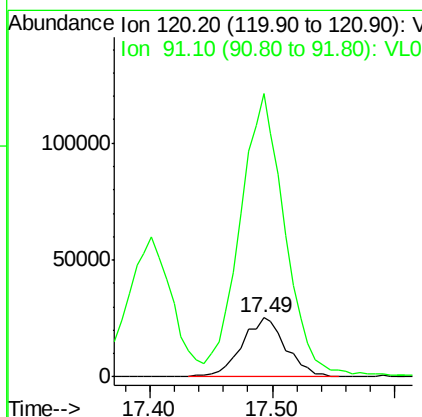
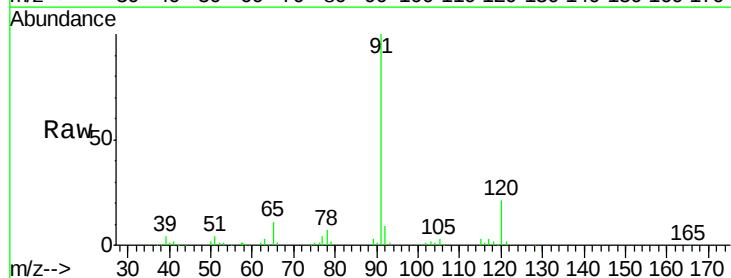
Manual Integrations
 APPROVED

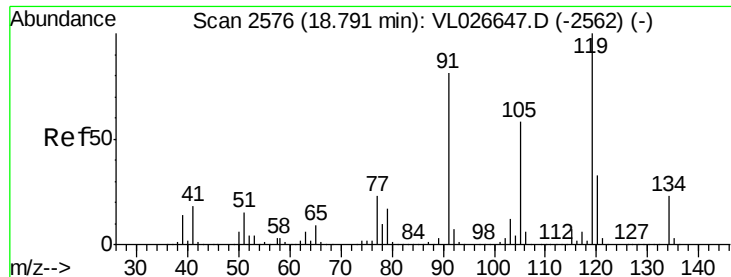
MMdadoda
 1/14/2016 10:51:20 AM



#64
 n-propylbenzene
 Concen: 0.39 ppbv
 RT: 17.49 min Scan# 2363
 Delta R.T. -0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	63046		
91	491.6	375.8	563.6	





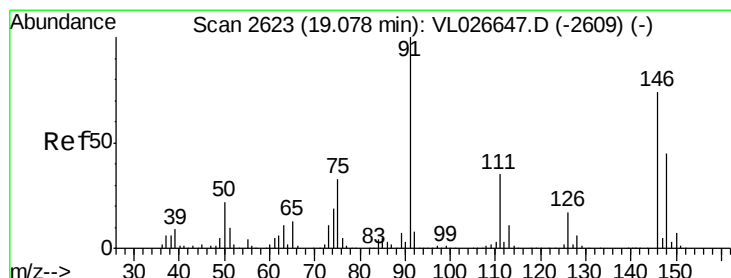
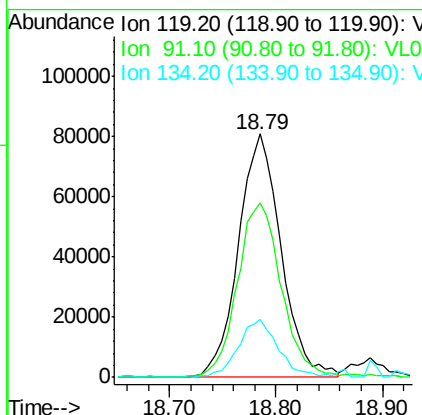
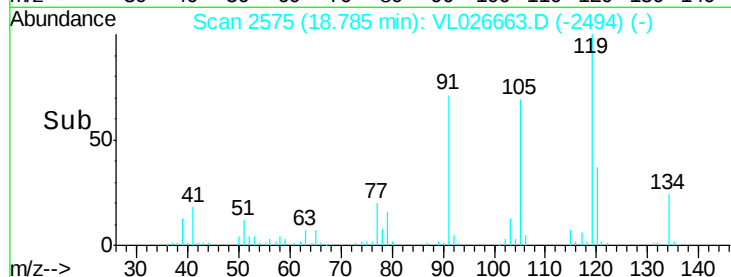
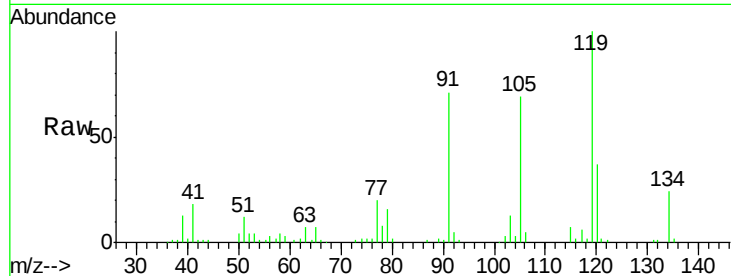
#65
tert-Butylbenzene
Concen: 0.41 ppbv
RT: 18.79 min Scan# 2575
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	227574		
91	75.0	64.8	97.2	
134	22.9	17.4	26.0	

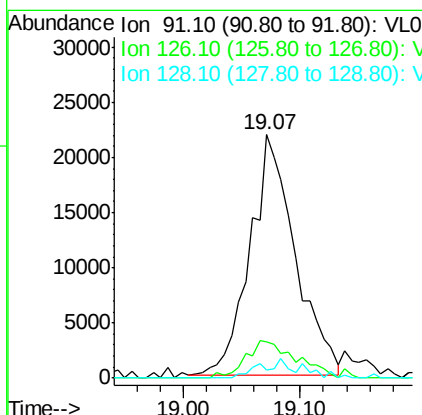
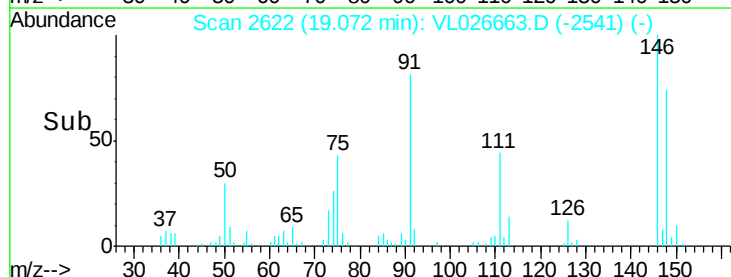
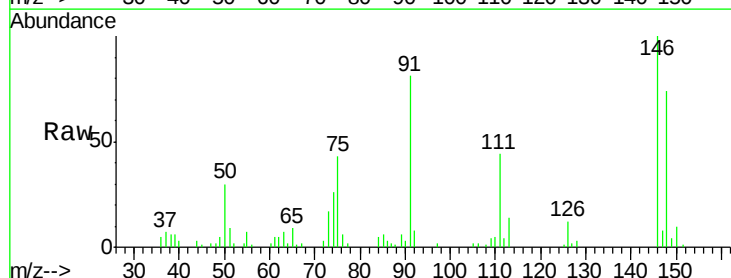
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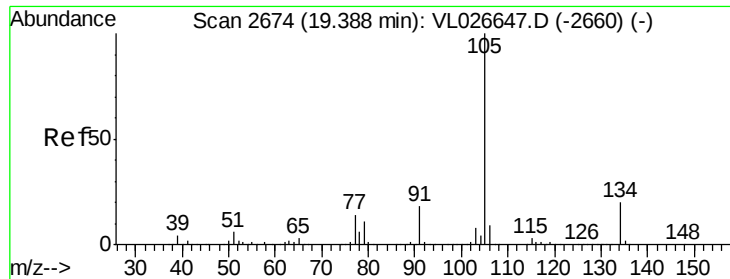
MMdadoda
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#66
Benzyl Chloride
Concen: 0.30 ppbv
RT: 19.07 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL026663.D
Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	58425		
126	18.2	14.2	21.2	
128	7.3	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: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-5

Tot Ion: 105 Resp: 330269

Ion Ratio Lower Upper

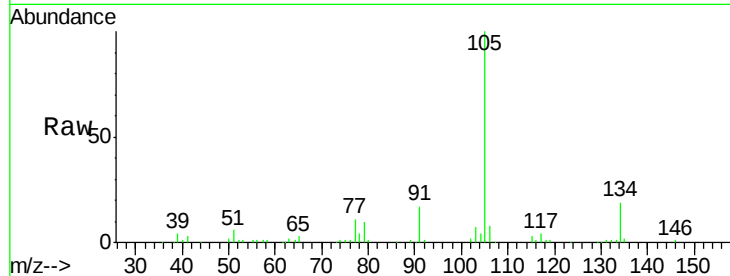
105 100

134 18.3 14.9 22.3

Manual Integrations
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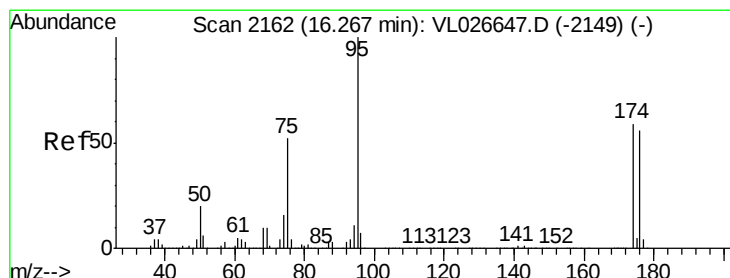
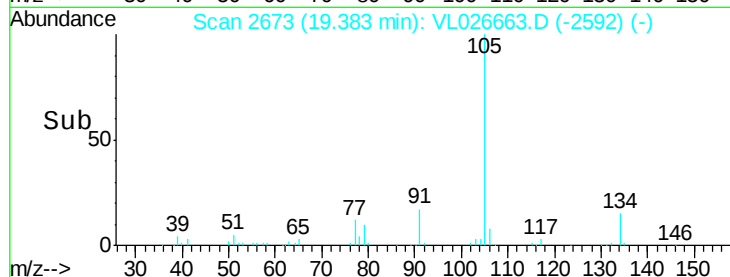
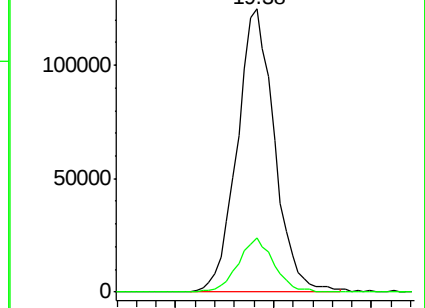
MMdadoda

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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: 10.31 ppbv

RT: 16.26 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

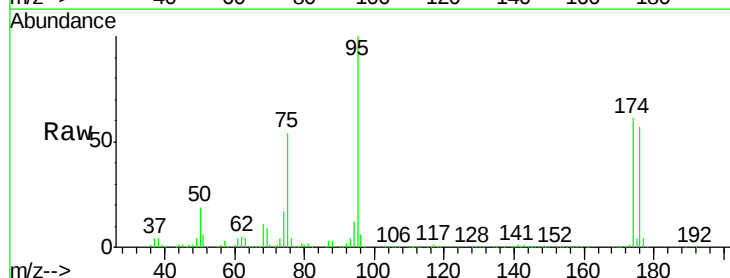
Tgt Ion: 95 Resp: 2341412

Ion Ratio Lower Upper

95 100

174 61.5 47.8 71.8

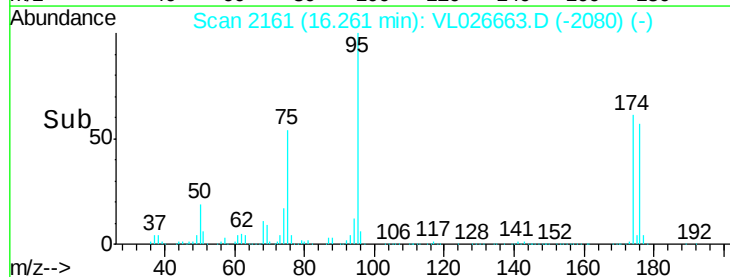
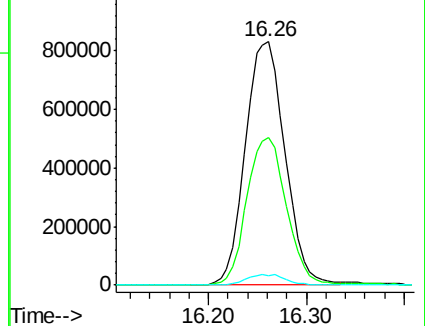
175 4.4 3.6 5.4

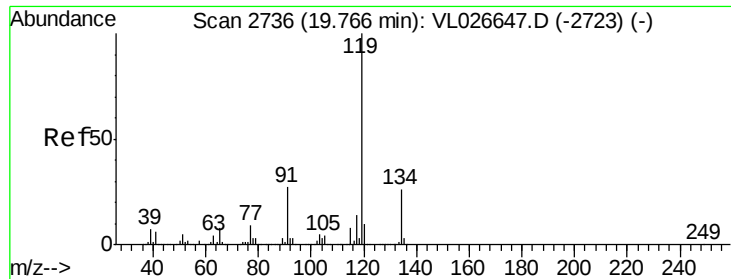


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





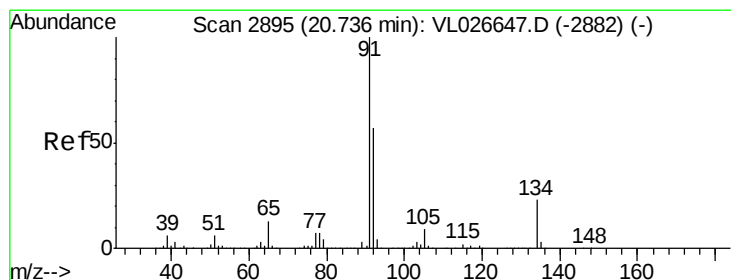
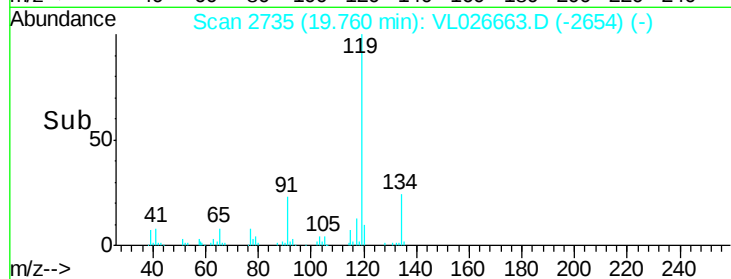
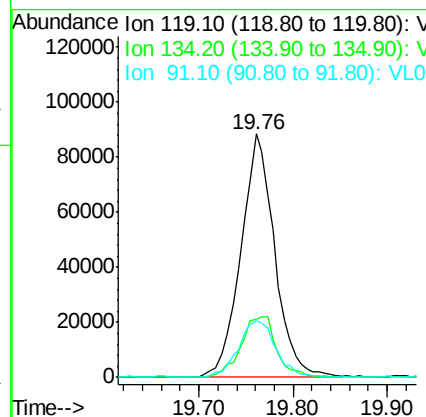
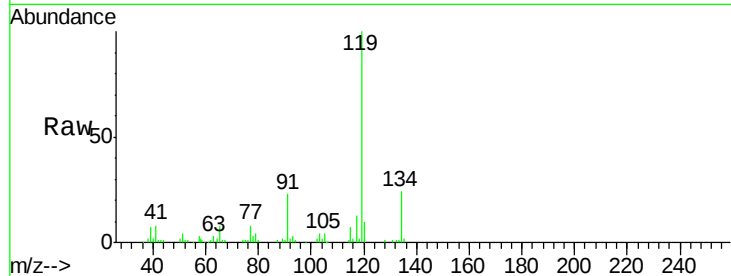
#69
 p-Isopropyltoluene
 Concen: 0.36 ppbv
 RT: 19.76 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	222050		
134	26.3		20.6	31.0
91	26.3		21.7	32.5

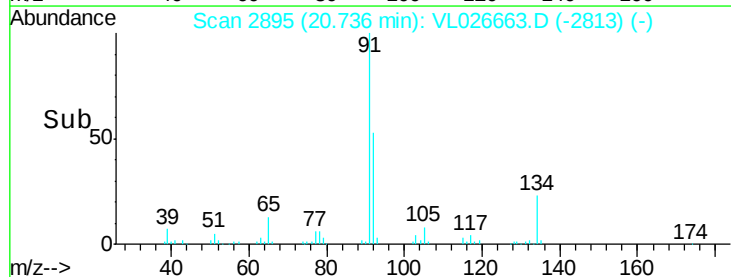
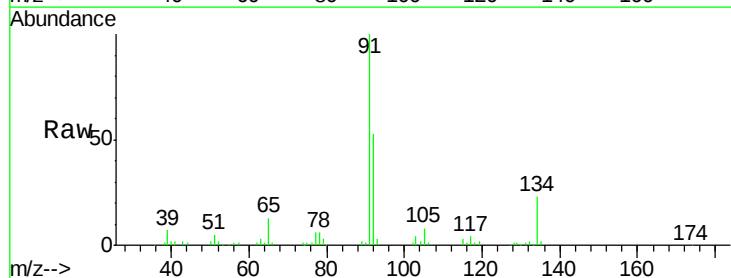
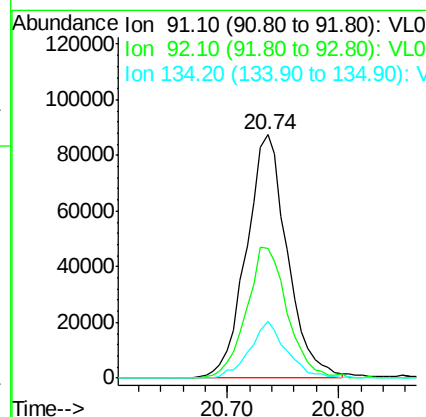
Manual Integrations
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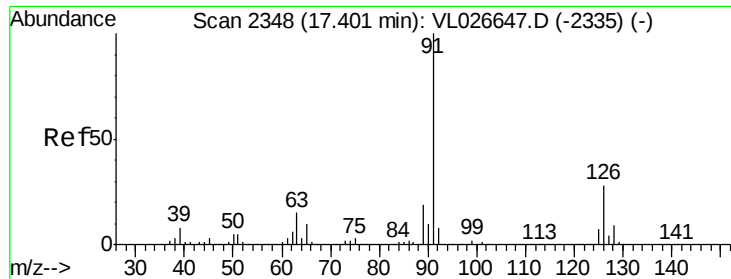
MMdadoda
 1/14/2016 10:51:20 AM



#70
 n-Butylbenzene
 Concen: 0.34 ppbv
 RT: 20.74 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	223683		
92	54.0		45.0	67.4
134	20.9		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: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-5

Tot Ion: 91 Resp: 152399

Ion Ratio Lower Upper

91 100

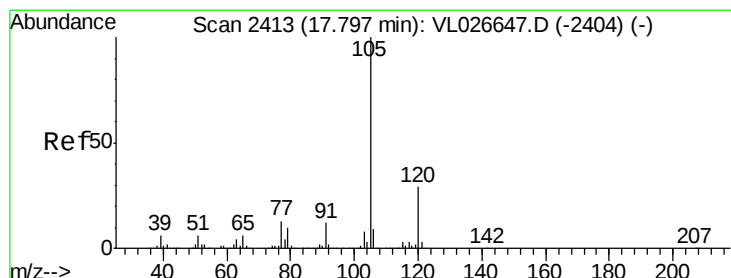
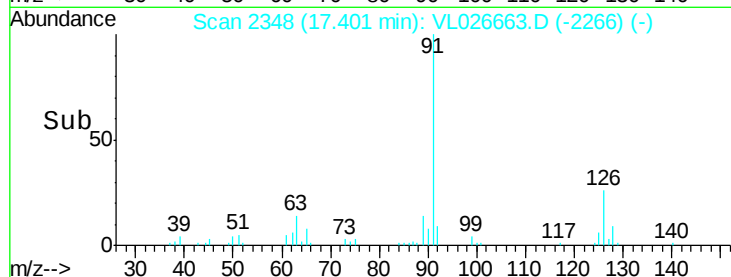
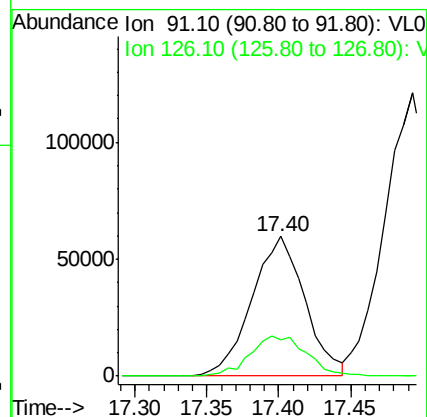
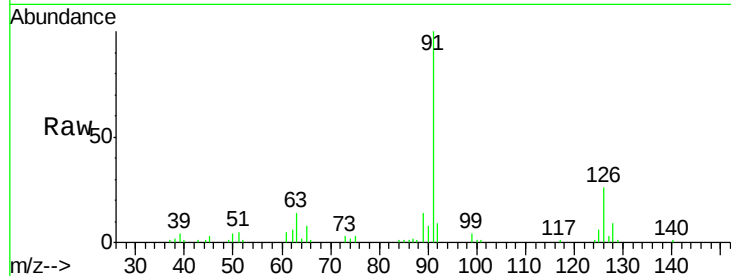
126 31.4 11.4 45.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 0.34 ppbv

RT: 17.79 min Scan# 2412

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion: 105 Resp: 169921

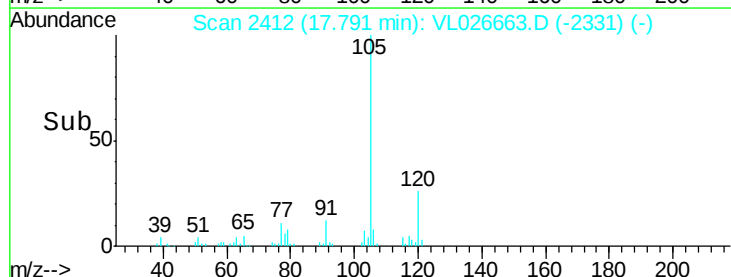
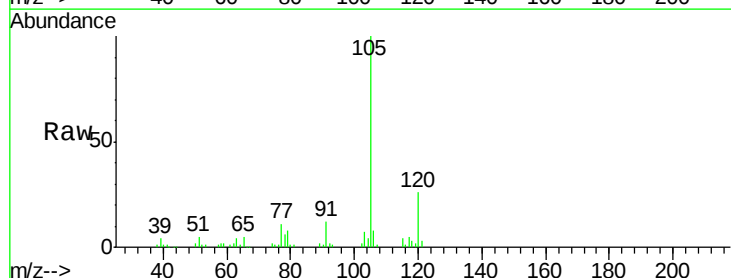
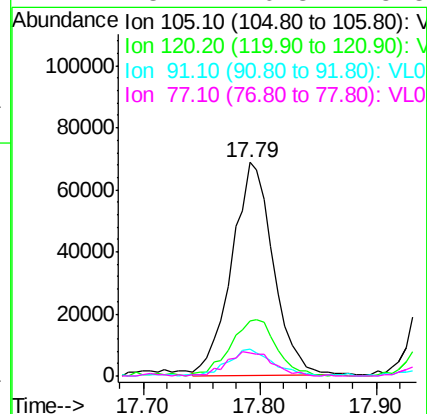
Ion Ratio Lower Upper

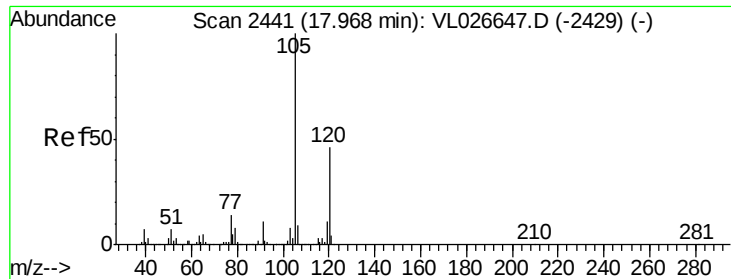
105 100

120 30.4 23.7 35.5

91 14.3 9.7 14.5

77 13.2 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 0.37 ppbv

RT: 17.96 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-5

Tot Ion:105 Resp: 176100

Ion Ratio Lower Upper

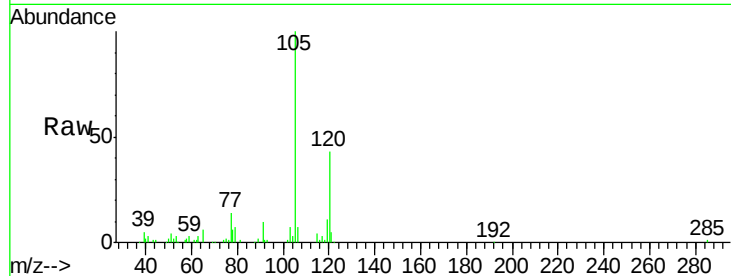
105 100

120 42.8 36.6 54.8

Manual Integrations
APPROVED

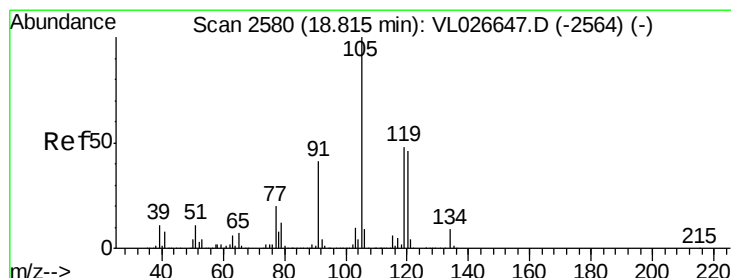
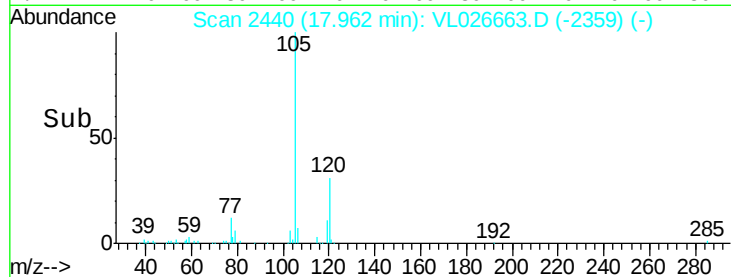
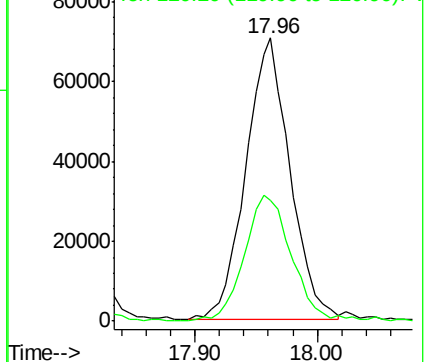
MMdadoda

1/14/2016 10:51:20 AM



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# 2577

Delta R.T. -0.02 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:105 Resp: 219456

Ion Ratio Lower Upper

105 100

120 51.6 36.6 55.0

91 56.0 32.5 48.7#

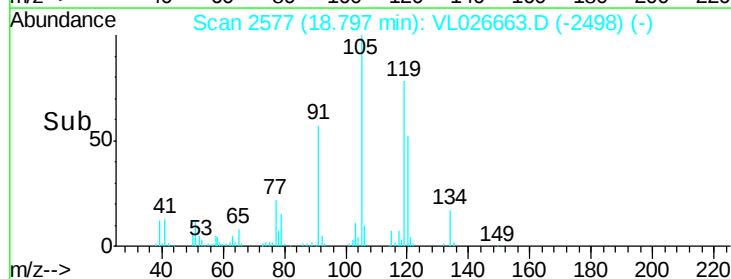
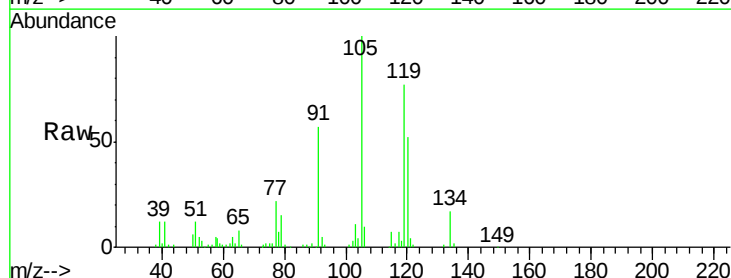
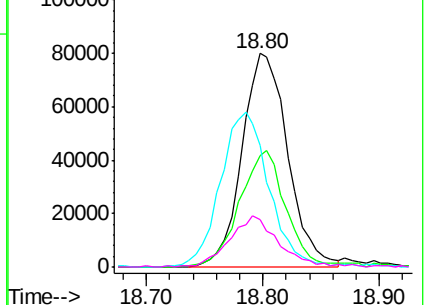
77 21.4 15.7 23.5

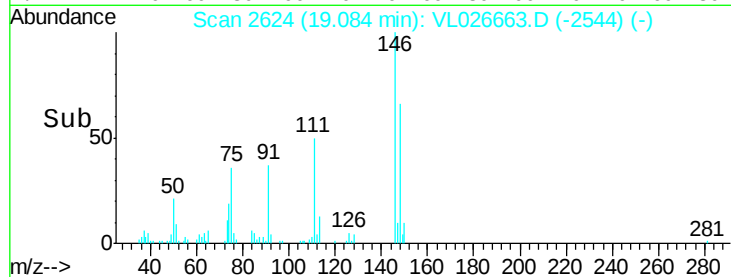
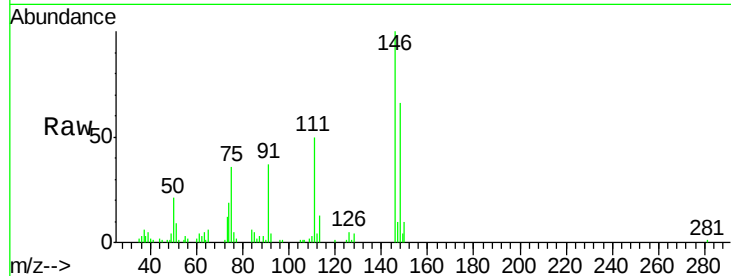
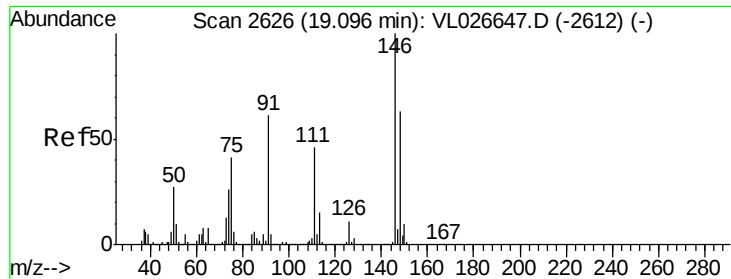
Abundance Ion 105.10 (104.80 to 105.80): V

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





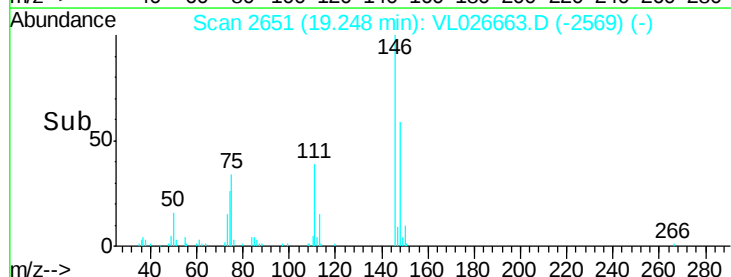
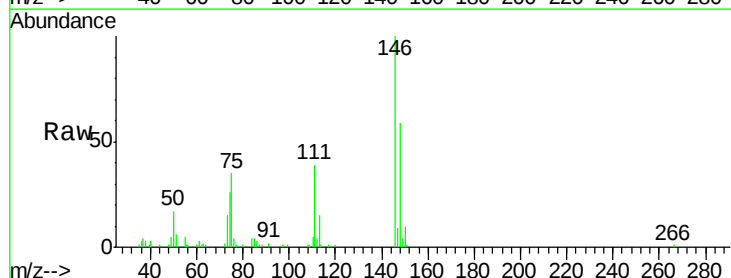
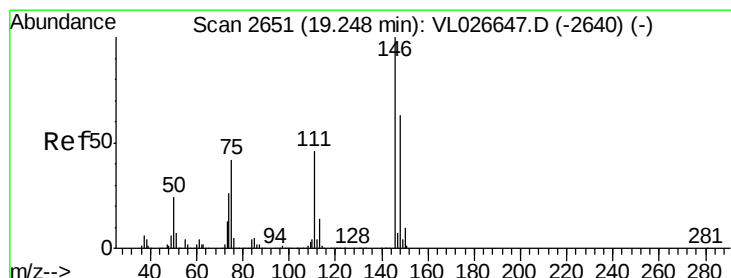
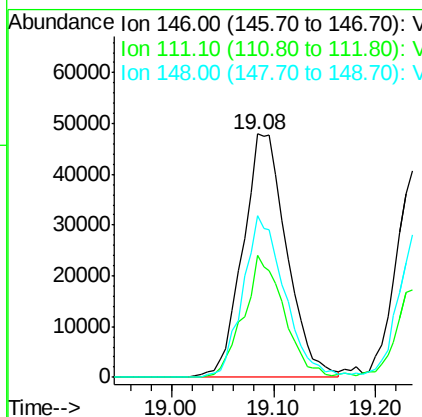
#75
 1,3-Dichlorobenzene
 Concen: 0.46 ppbv
 RT: 19.08 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.9	68.5
148	62.9	31.6	95.0

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

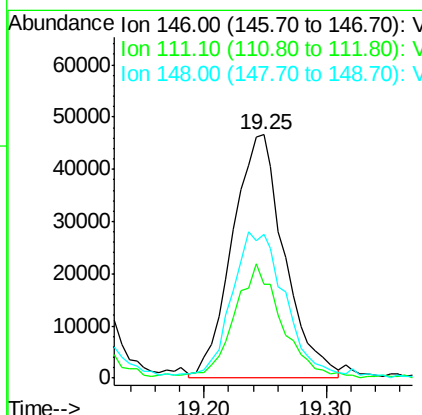
Manual Integrations
 APPROVED

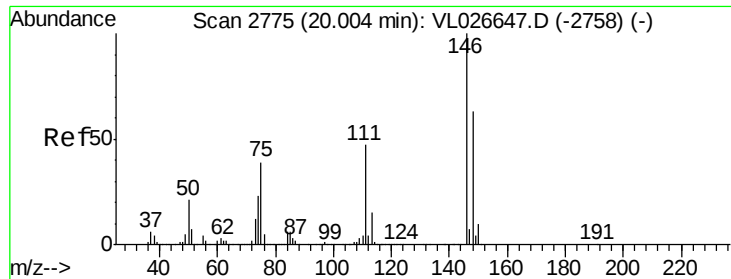
MMdadoda
 1/14/2016 10:51:20 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.43 ppbv
 RT: 19.25 min Scan# 2651
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	22.3	66.8
148	63.9	31.9	95.9





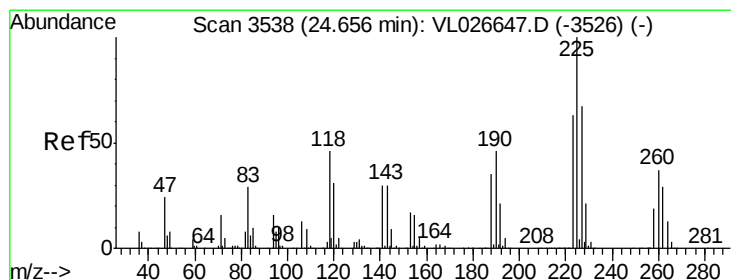
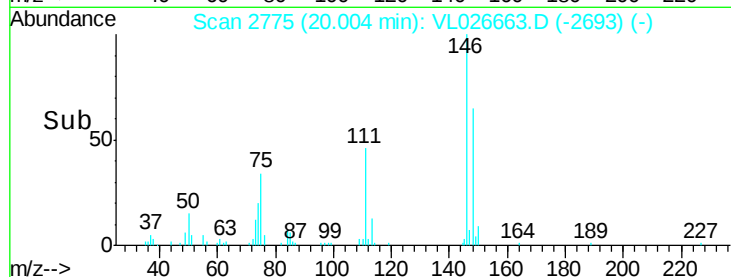
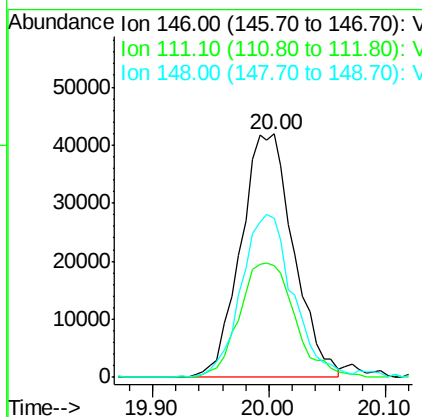
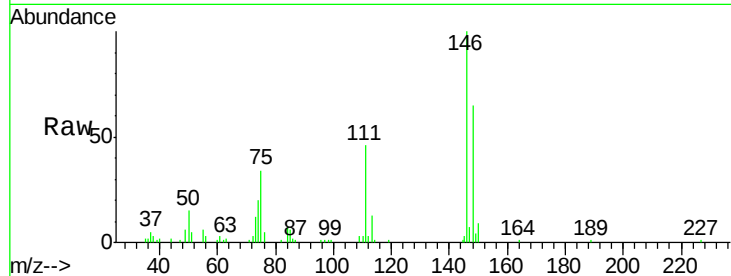
#77
 1,2-Dichlorobenzene
 Concen: 0.42 ppbv
 RT: 20.00 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampled :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.1	23.7	71.1
148	66.9	31.1	93.5

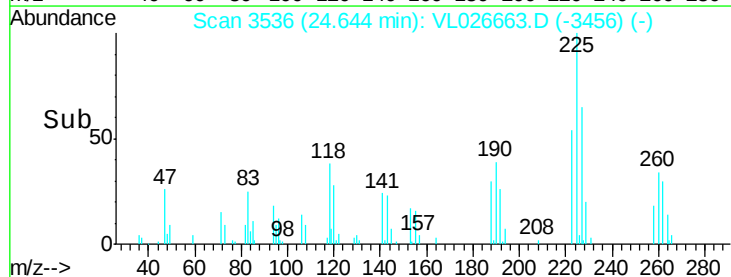
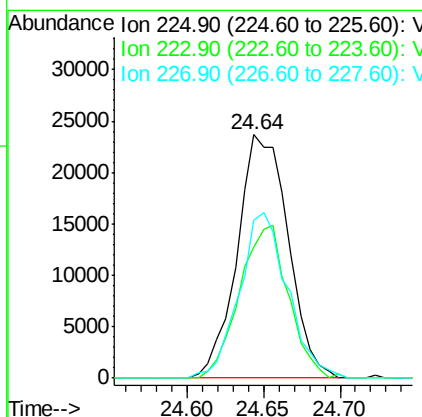
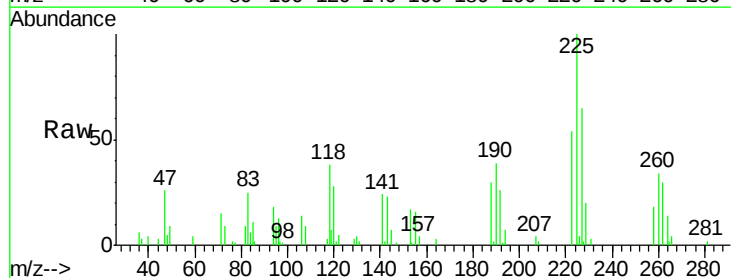
Manual Integrations
 APPROVED

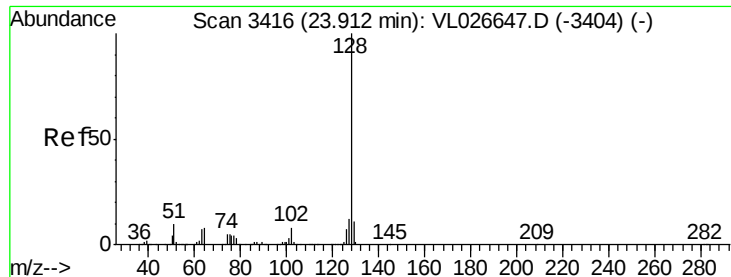
MMdadoda
 1/14/2016 10:51:20 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.42 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. -0.01 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	50.1	75.1
227	64.3	51.1	76.7





#79

Naphthalene

Concen: 0.25 ppbv

RT: 23.91 min Scan# 3416

Delta R.T. 0.00 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Instrument :

MSVOA_L

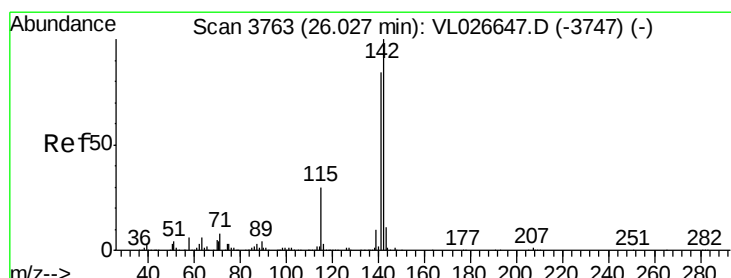
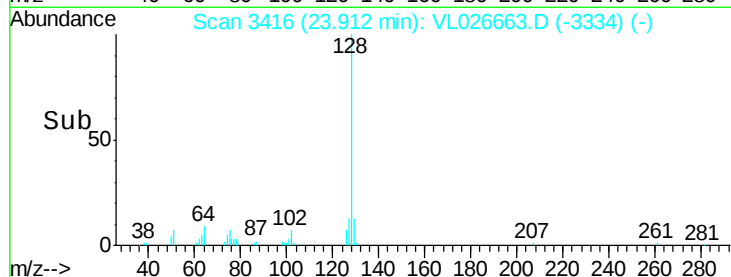
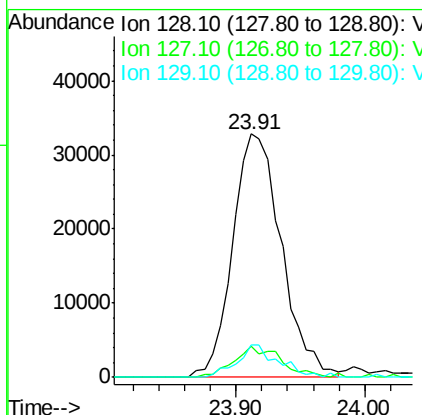
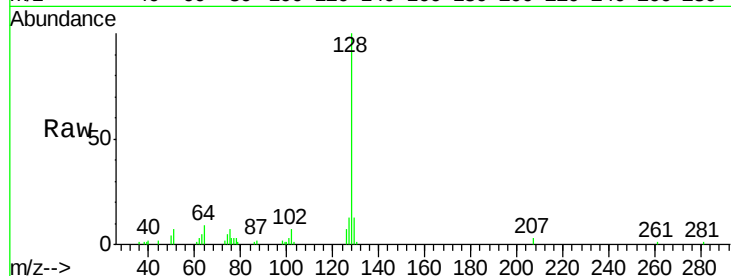
ClientSampleId :

MDL-AIR-5

Tot Ion:	128	Resp:	86098
Ion Ratio	Lower	Upper	
128	100		
127	12.9	9.8	14.8
129	13.3	8.9	13.3#

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1/14/2016 10:51:20 AM



#80

Naphthalene, 2-methyl-

Concen: 0.30 ppbv m

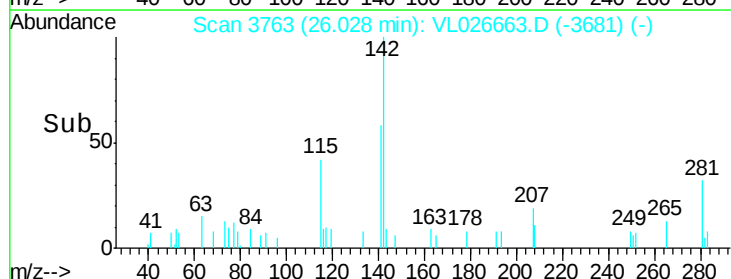
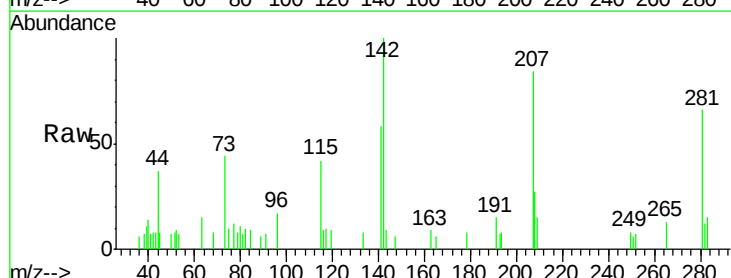
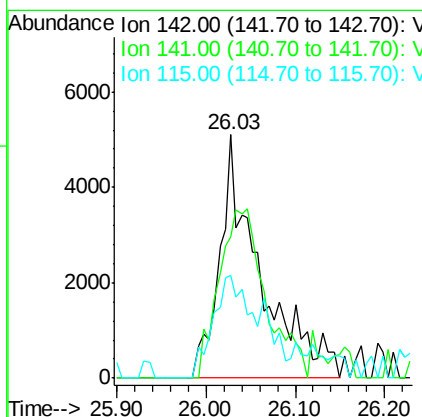
RT: 26.03 min Scan# 3763

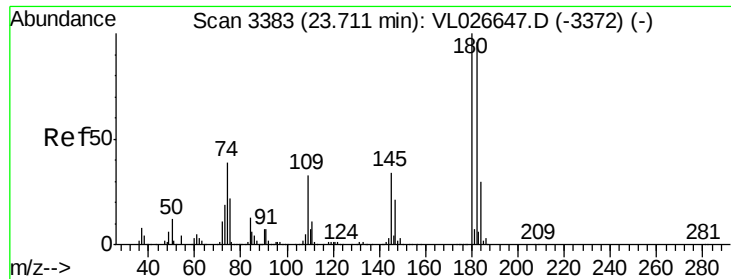
Delta R.T. 0.00 min

Lab File: VL026663.D

Acq: 9 Jan 2016 6:25

Tgt Ion:	142	Resp:	16047
Ion Ratio	Lower	Upper	
142	100		
141	90.3	67.0	100.6
115	63.8	24.7	37.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.31 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VL026663.D
 Acq: 9 Jan 2016 6:25

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	75.4	113.0
184	28.7	24.1	36.1

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:20 AM

