

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL010816\
 Data File : VL026664.D
 Acq On : 9 Jan 2016 7:03
 Operator : SY/AP
 Sample : H1002-20
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:21 AM

Quant Time: Jan 12 05:02:16 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	635426	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	2070383	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.72	117	2839007	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.25	95	2335673	10.32	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	85381	0.51	ppbv	99
3) Chlorodifluoromethane	3.56	51	42612	0.50	ppbv	99
4) Chloromethane	3.74	50	16362	0.40	ppbv	98
5) Vinyl Chloride	3.88	62	19601m	0.39	ppbv	
6) Bromomethane	4.14	94	16711	0.47	ppbv	99
7) Chloroethane	4.22	64	9372	0.46	ppbv #	87
8) Dichlorotetrafluoroethane	3.79	85	63035	0.47	ppbv	98
9) Propene	3.58	41	10984	0.36	ppbv	99
10) Heptane	9.33	43	42265	0.37	ppbv	94
11) Trichlorofluoromethane	4.68	101	93512	0.53	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.29	101	50406	0.47	ppbv	94
13) Ethanol	4.34	45	2836m	0.49	ppbv	
14) Bromoethene	4.44	108	17316	0.45	ppbv #	97
15) Acetone	4.61	43	57973m	0.55	ppbv	
16) 1,3-Butadiene	3.96	39	17574m	0.42	ppbv	
17) tert-Butyl alcohol	5.15	59	34273m	0.43	ppbv	
18) 1,1-Dichloroethene	5.07	96	20683	0.46	ppbv	91
19) Isopropyl Alcohol	4.76	45	17649	0.41	ppbv #	1
20) Methylene Chloride	5.14	84	22271m	0.52	ppbv	
21) Allyl Chloride	5.21	41	27857	0.43	ppbv #	72
22) trans-1,2-Dichloroethene	5.75	96	20861	0.41	ppbv #	95
23) Vinyl Acetate	5.97	43	48512	0.30	ppbv #	88
24) 1,1-Dichloroethane	5.89	63	51064	0.44	ppbv	98
25) Ethyl Acetate	6.67	43	35687m	0.22	ppbv	
26) Hexane	6.63	57	32367	0.39	ppbv	90
27) Carbon Disulfide	5.38	76	57218	0.46	ppbv #	82
28) Methyl tert-Butyl Ether	5.96	73	59861	0.36	ppbv	97
29) Chloroform	6.71	83	75274	0.50	ppbv	90
30) Cyclohexane	8.26	84	33625m	0.41	ppbv	
31) cis-1,2-Dichloroethene	6.49	61	30647	0.36	ppbv	99
32) 1,1,1-Trichloroethane	7.57	97	78770	0.46	ppbv	97
34) 2-Butanone	6.20	43	40237m	0.36	ppbv	
35) Carbon Tetrachloride	8.14	117	73538	0.40	ppbv	94
36) Benzene	7.99	78	70505	0.33	ppbv	97
37) 1,2-Dichloroethane	7.35	62	61050	0.42	ppbv	100
38) Trichloroethene	9.04	130	35637	0.37	ppbv	94
39) 1,2-Dichloropropane	8.80	63	27974	0.38	ppbv	90
40) 1,4-Dioxane	9.15	88	5179	0.31	ppbv #	1
41) Tetrahydrofuran	7.14	42	14371m	0.26	ppbv	
42) Bromodichloromethane	9.00	83	77728	0.41	ppbv #	97
43) Methyl Methacrylate	9.25	69	22631	0.29	ppbv	93

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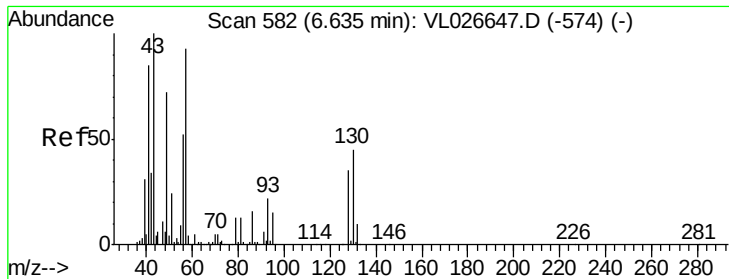
Manual Integrations
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Quant Time: Jan 12 05:02:16 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	113979	0.33	ppbv	95
45) t-1,3-Dichloropropene	10.63	75	35432	0.28	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	40853	0.29	ppbv	88
47) 1,1,2-Trichloroethane	10.85	97	42891m	0.41	ppbv	
48) Dibromochloromethane	11.77	129	63599	0.40	ppbv	100
49) Bromoform	14.79	173	53210	0.41	ppbv	99
50) 4-Methyl-2-Pentanone	10.08	43	44495	0.29	ppbv	94
51) 2-Hexanone	11.62	43	35005	0.24	ppbv #	93
52) Tetrachloroethene	12.77	164	43325	0.41	ppbv #	92
53) Toluene	11.21	91	94009	0.31	ppbv	92
54) 1,2-Dibromoethane	12.12	107	71369	0.43	ppbv	98
56) 1,1,1,2-Tetrachloroethane	13.76	131	57670	0.44	ppbv #	1
57) Chlorobenzene	13.79	112	132241	0.45	ppbv #	87
58) Ethyl Benzene	14.39	91	162577	0.32	ppbv	100
59) m/p-Xylene	14.69	91	313439m	0.75	ppbv	
60) o-Xylene	15.46	91	192609	0.43	ppbv	99
61) Styrene	15.30	104	52288	0.30	ppbv	97
62) Isopropylbenzene	16.52	105	238747	0.40	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.45	83	150938	0.45	ppbv	97
64) n-propylbenzene	17.49	120	65259	0.41	ppbv	98
65) tert-Butylbenzene	18.78	119	234078	0.43	ppbv	92
66) Benzyl Chloride	19.08	91	62934	0.32	ppbv #	98
67) sec-Butylbenzene	19.38	105	327637	0.40	ppbv	100
69) p-Isopropyltoluene	19.76	119	228670	0.37	ppbv	97
70) n-Butylbenzene	20.74	91	229748	0.36	ppbv	94
71) 2-Chlorotoluene	17.40	91	149838	0.32	ppbv	97
72) 4-Ethyltoluene	17.80	105	172937	0.34	ppbv	96
73) 1,3,5-Trimethylbenzene	17.96	105	183831	0.38	ppbv	99
74) 1,2,4-Trimethylbenzene	18.80	105	222120	0.44	ppbv	96
75) 1,3-Dichlorobenzene	19.09	146	139616	0.44	ppbv	97
76) 1,4-Dichlorobenzene	19.24	146	137772	0.43	ppbv	97
77) 1,2-Dichlorobenzene	20.00	146	138073	0.43	ppbv	97
78) Hexachloro-1,3-Butadiene	24.65	225	53254	0.41	ppbv	98
79) Naphthalene	23.92	128	89310m	0.26	ppbv	
80) Naphthalene, 2-methyl-	26.05	142	16785	0.32	ppbv #	89
81) 1,2,4-Trichlorobenzene	23.72	180	50501	0.32	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026664.D

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MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 49 Resp: 635426
Ion Ratio Lower Upper

49 100

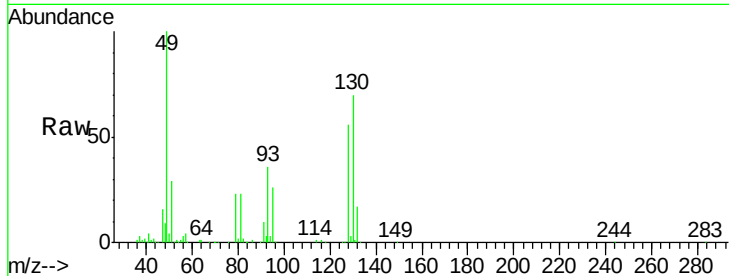
128 59.2 25.9 77.7

130 76.6 33.6 100.8

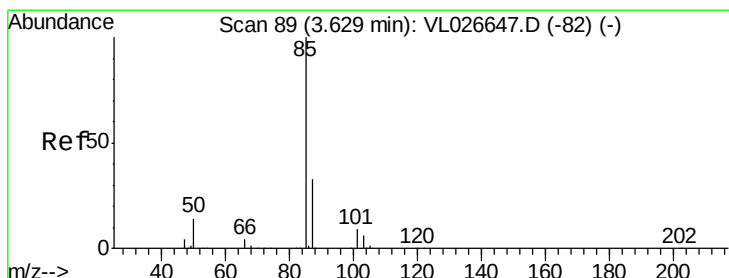
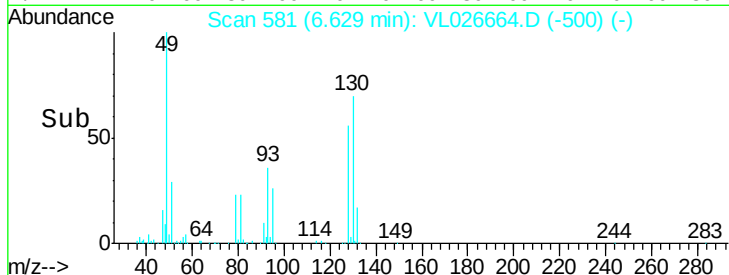
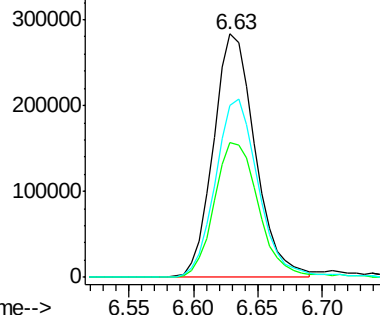
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.51 ppbv

RT: 3.63 min Scan# 89

Delta R.T. 0.00 min

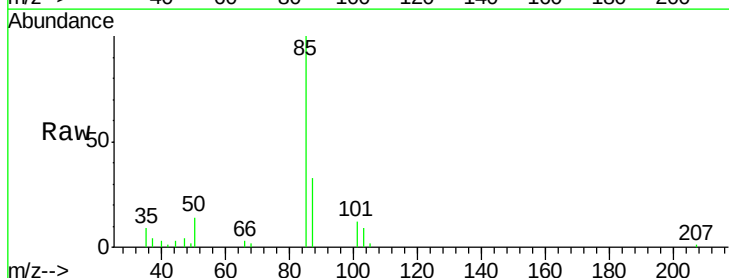
Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

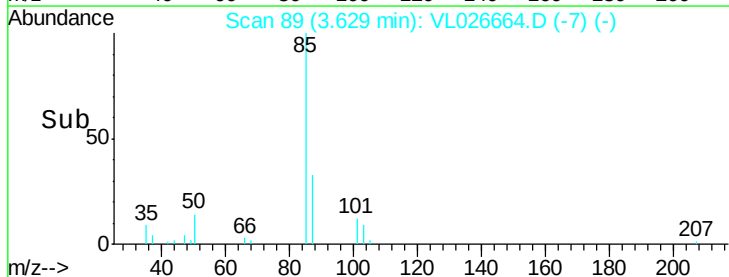
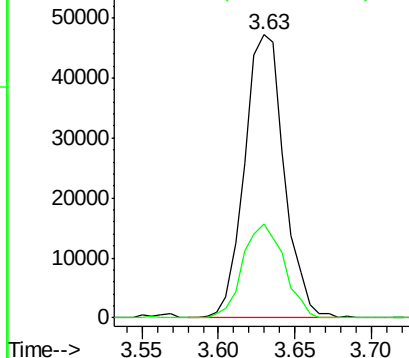
Tgt Ion: 85 Resp: 85381
Ion Ratio Lower Upper

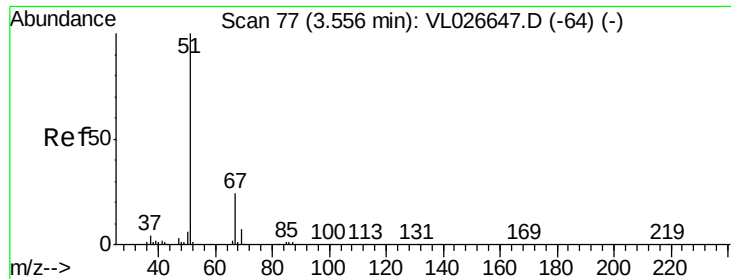
85 100

87 33.3 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.50 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 51 Resp: 42612

Ion Ratio Lower Upper

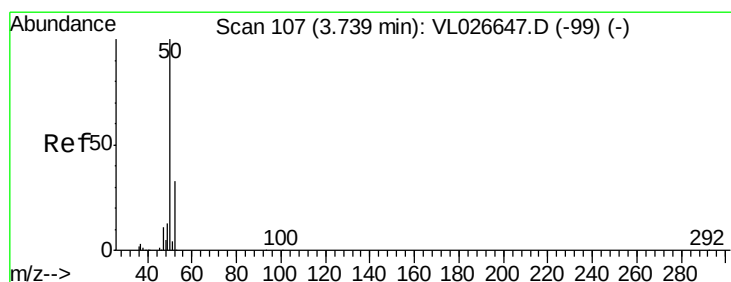
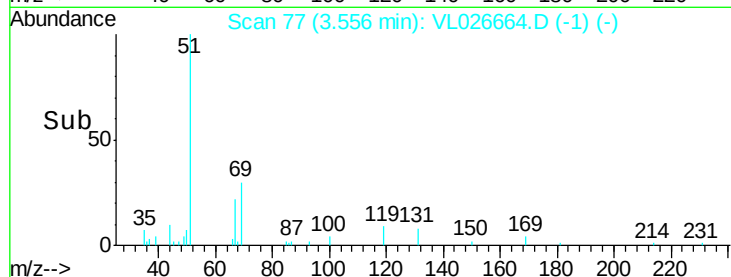
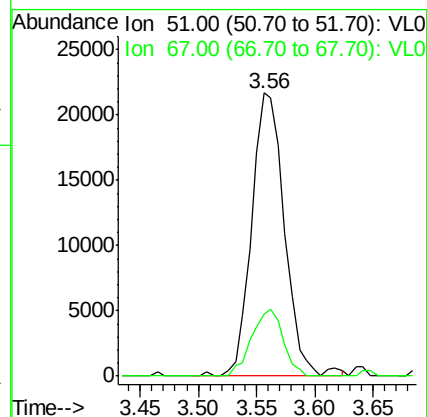
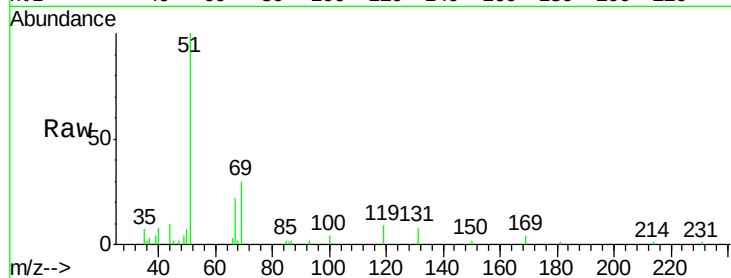
51 100

67 22.8 18.6 28.0

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#4

Chloromethane

Concen: 0.40 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL026664.D

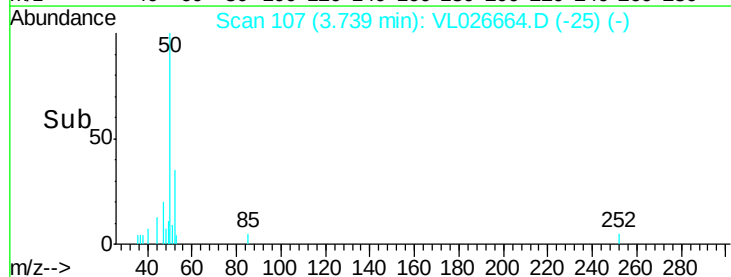
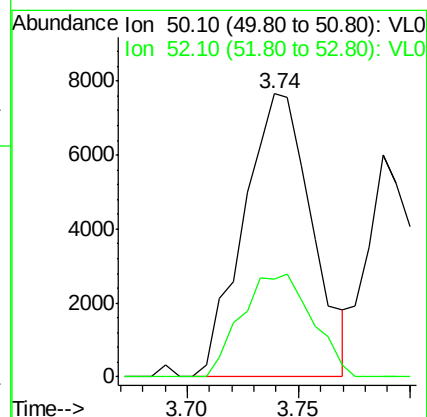
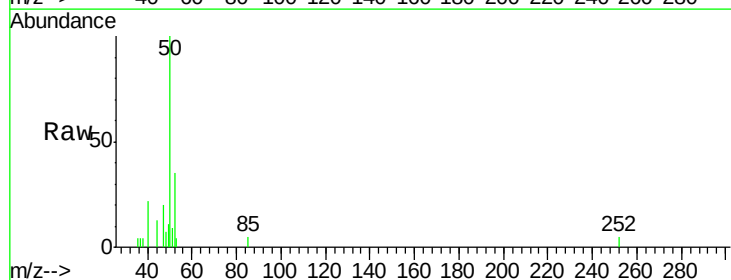
Acq: 9 Jan 2016 7:03

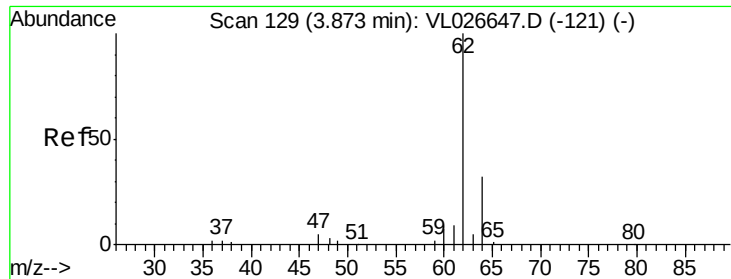
Tgt Ion: 50 Resp: 16362

Ion Ratio Lower Upper

50 100

52 34.6 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: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 62 Resp: 19601

Ion Ratio Lower Upper

62 100

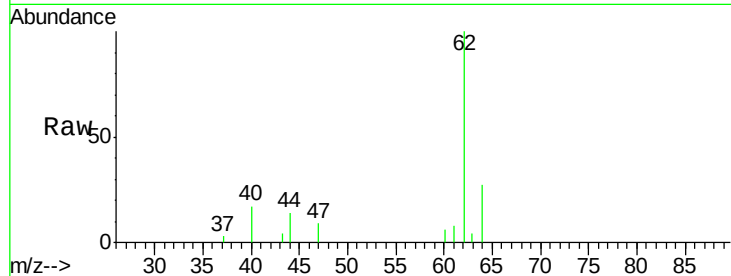
64 27.2 25.6 38.4

Manual Integrations

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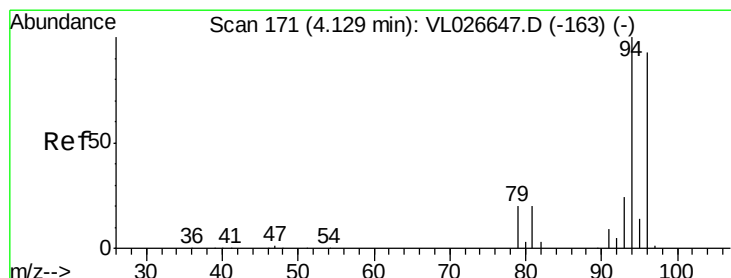
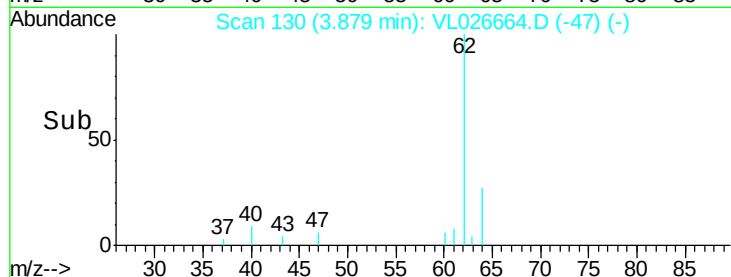
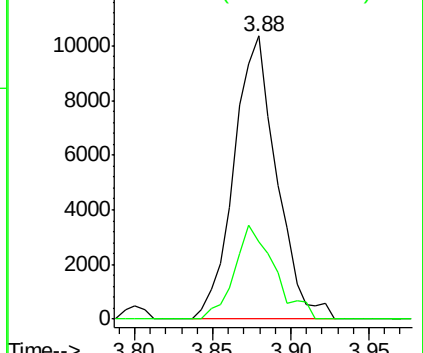
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.47 ppbv

RT: 4.14 min Scan# 172

Delta R.T. 0.01 min

Lab File: VL026664.D

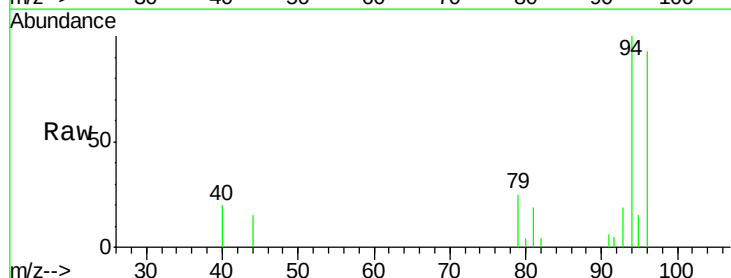
Acq: 9 Jan 2016 7:03

Tgt Ion: 94 Resp: 16711

Ion Ratio Lower Upper

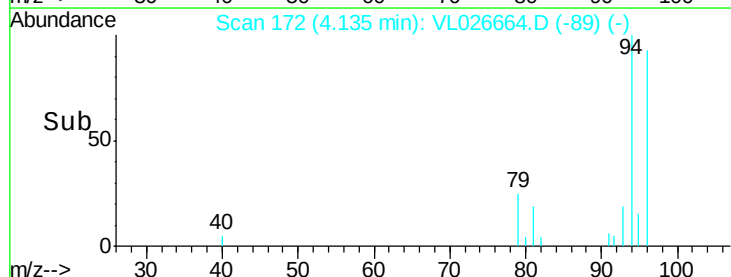
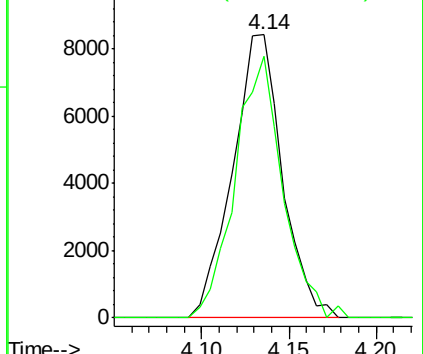
94 100

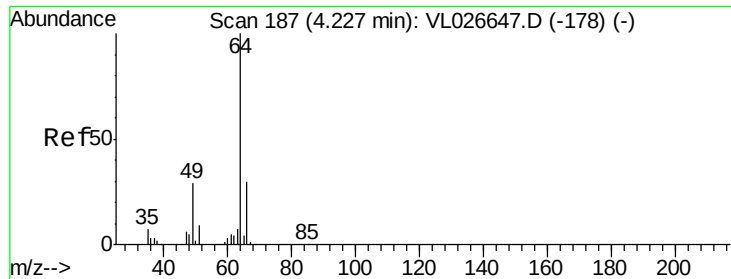
96 92.6 74.6 112.0



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: 4.22 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 64 Resp: 9372

Ion Ratio Lower Upper

64 100

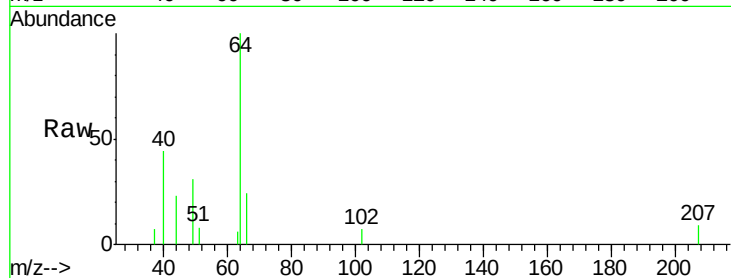
66 23.6 24.3 36.5#

Manual Integrations

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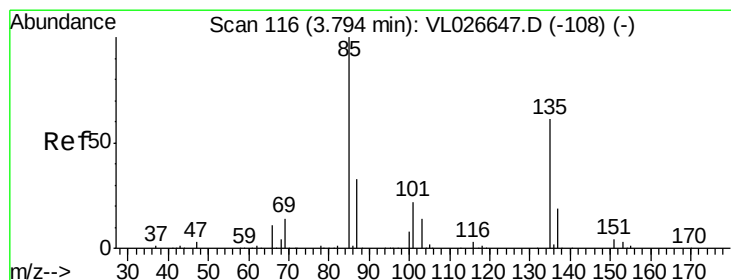
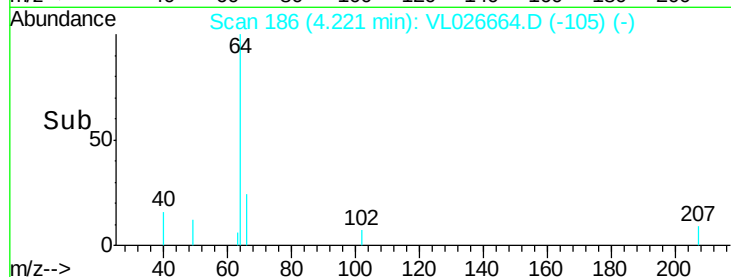
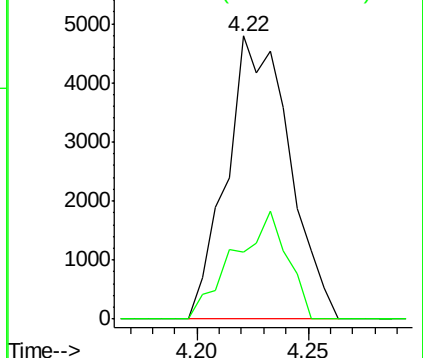
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.47 ppbv

RT: 3.79 min Scan# 116

Delta R.T. 0.00 min

Lab File: VL026664.D

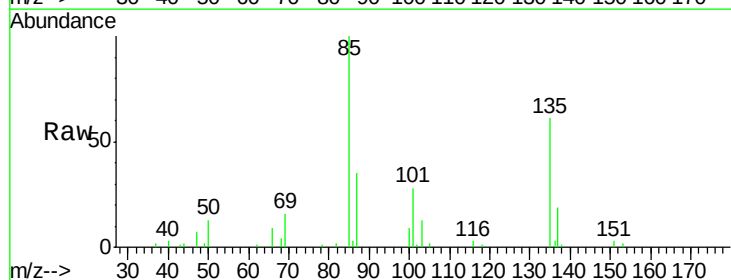
Acq: 9 Jan 2016 7:03

Tgt Ion: 85 Resp: 63035

Ion Ratio Lower Upper

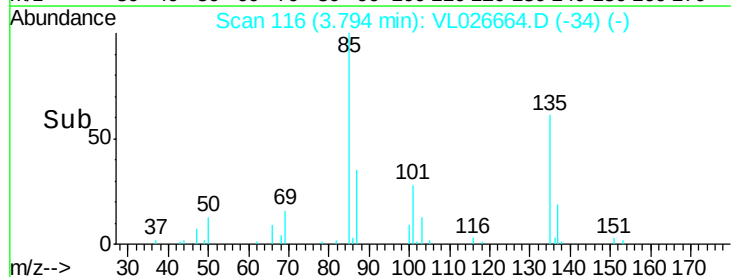
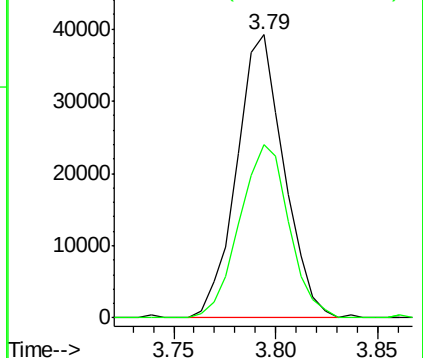
85 100

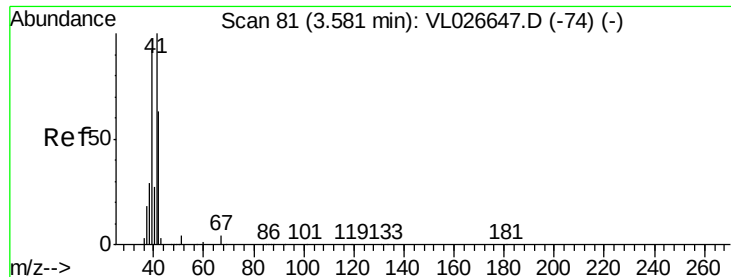
135 64.0 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.36 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 41 Resp: 10984

Ion Ratio Lower Upper

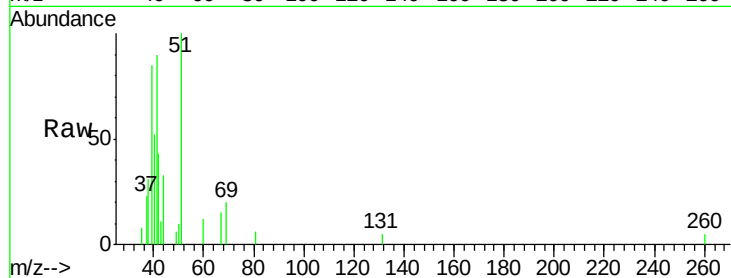
41 100

42 65.9 53.6 80.4

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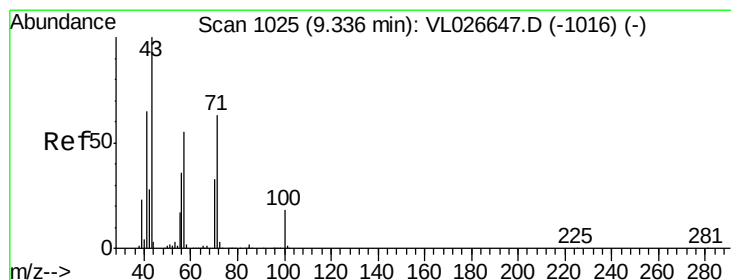
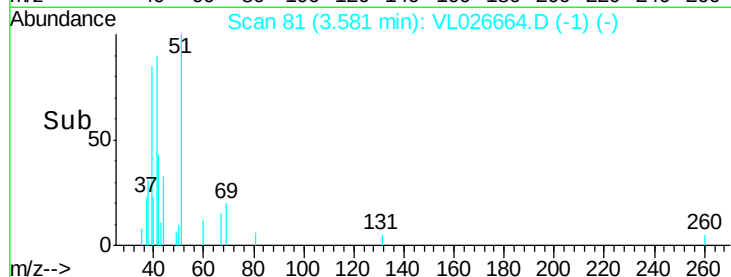
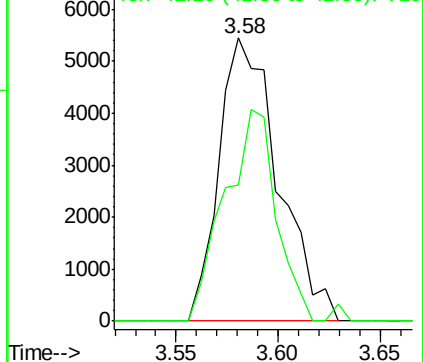
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.37 ppbv

RT: 9.33 min Scan# 1024

Delta R.T. -0.01 min

Lab File: VL026664.D

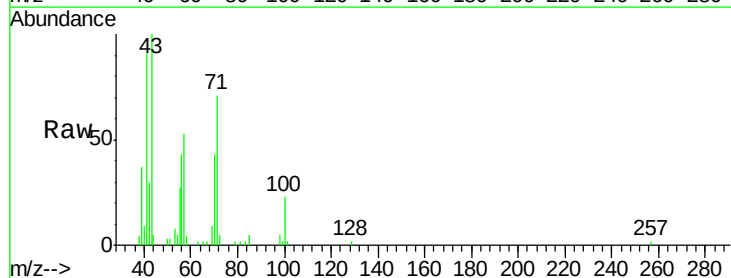
Acq: 9 Jan 2016 7:03

Tgt Ion: 43 Resp: 42265

Ion Ratio Lower Upper

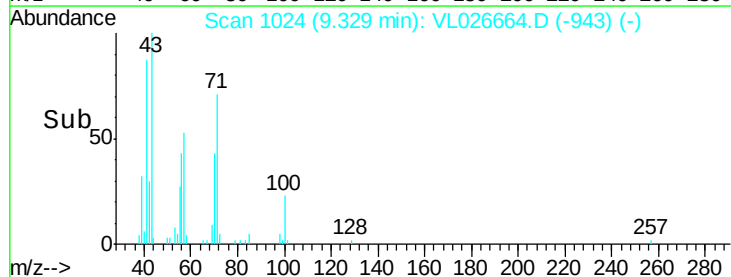
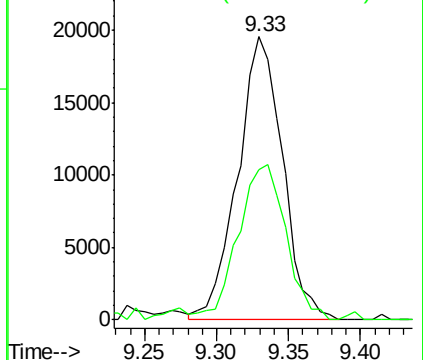
43 100

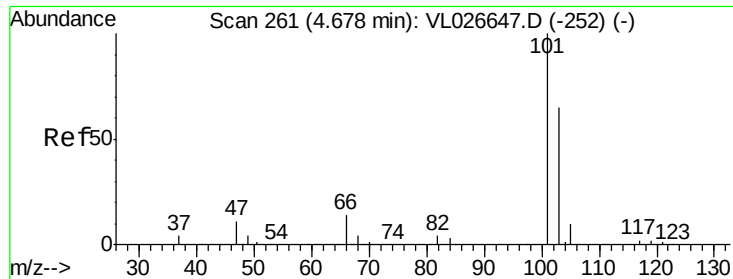
57 61.3 45.8 68.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.53 ppbv

RT: 4.68 min Scan# 262

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 93512

Ion Ratio Lower Upper

101 100

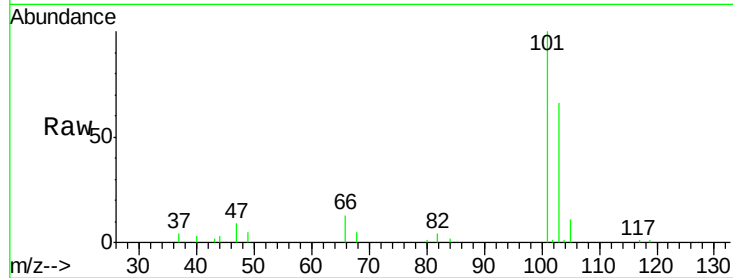
103 66.0 51.7 77.5

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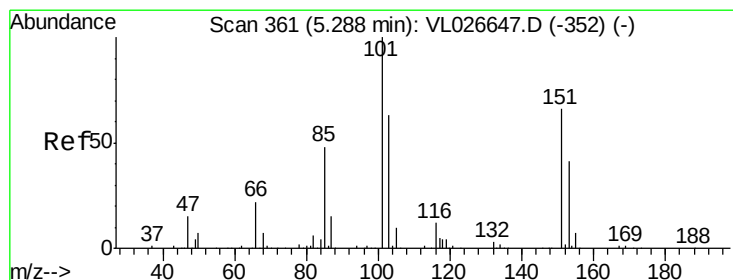
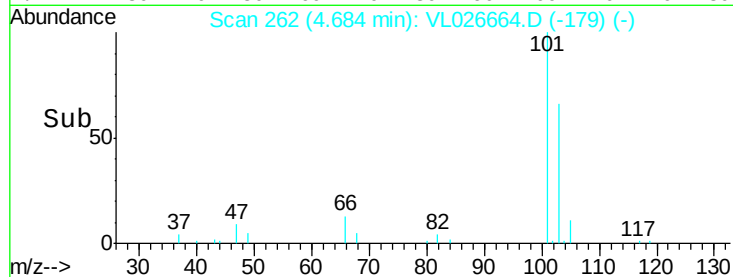
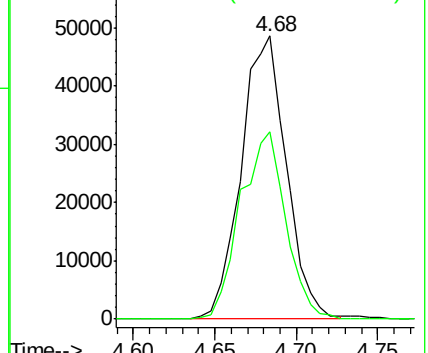
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.47 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL026664.D

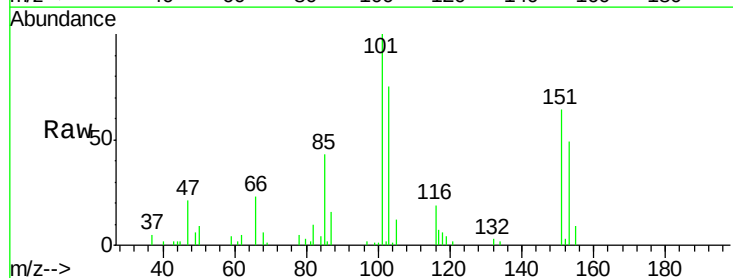
Acq: 9 Jan 2016 7:03

Tgt Ion:101 Resp: 50406

Ion Ratio Lower Upper

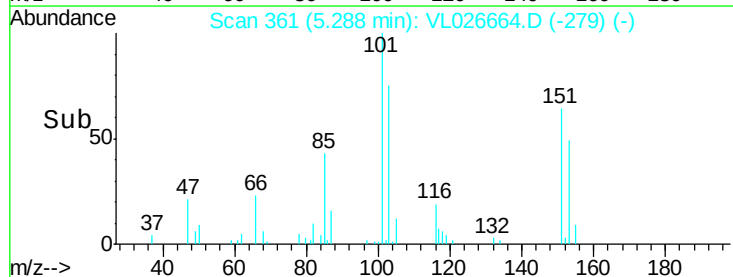
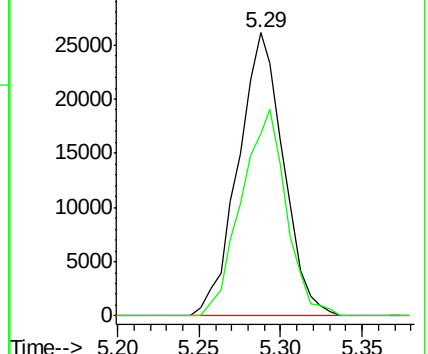
101 100

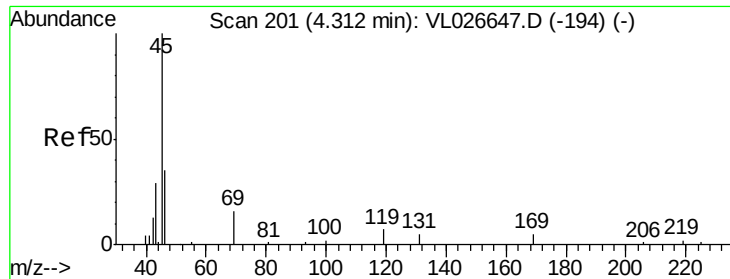
151 72.3 54.2 81.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





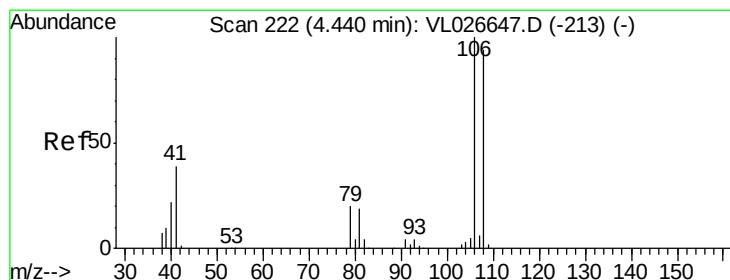
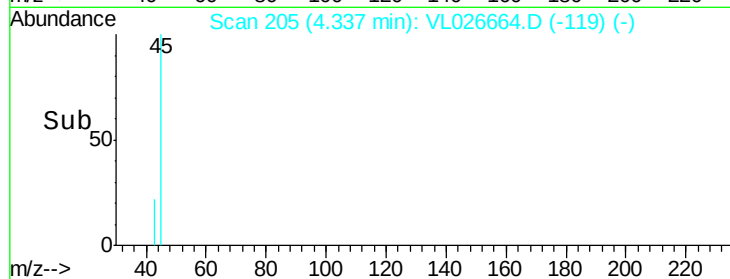
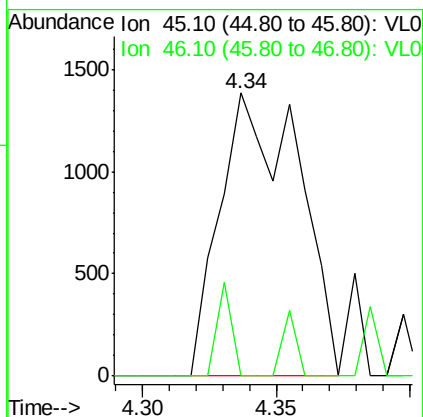
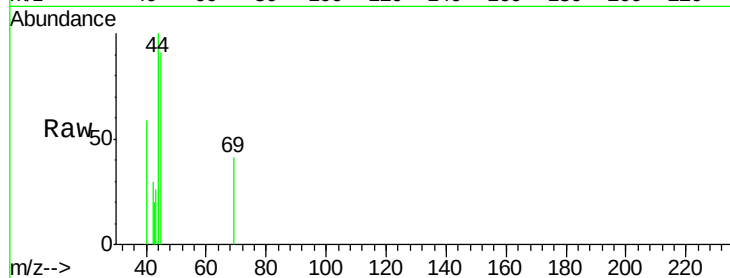
#13
Ethanol
Concen: 0.49 ppbv m
RT: 4.34 min Scan# 205
Delta R.T. 0.02 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-6

Tot Ion: 45 Resp: 2836
Ion Ratio Lower Upper
45 100
46 14.5 16.7 66.7#

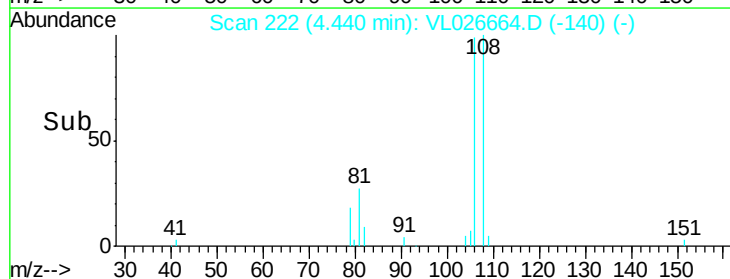
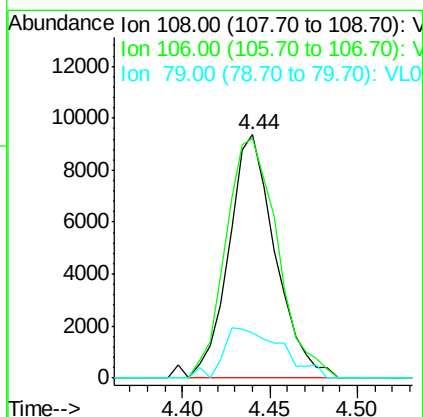
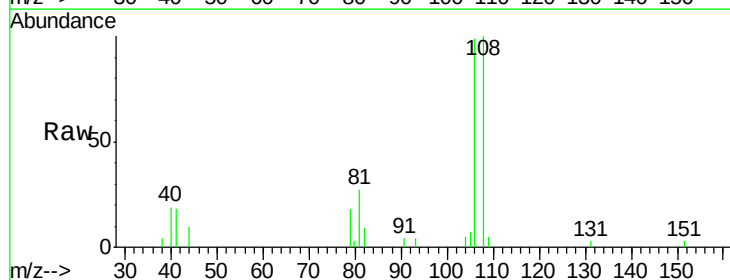
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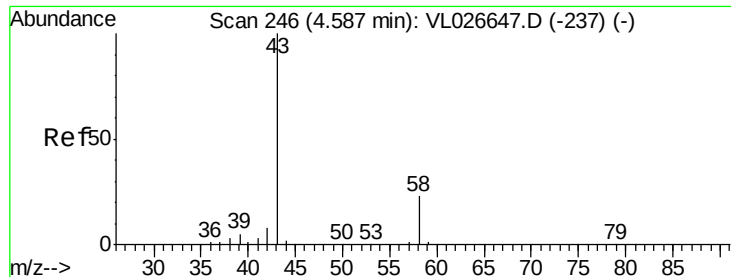
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#14
Bromoethene
Concen: 0.45 ppbv
RT: 4.44 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 108 Resp: 17316
Ion Ratio Lower Upper
108 100
106 110.1 86.4 129.6
79 26.0 17.2 25.8#





#15

Acetone

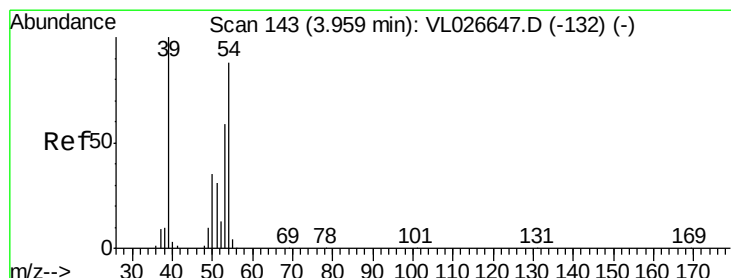
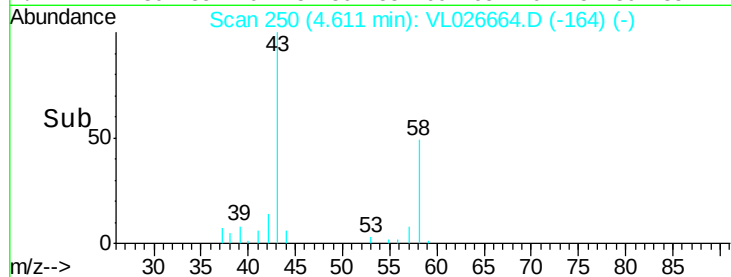
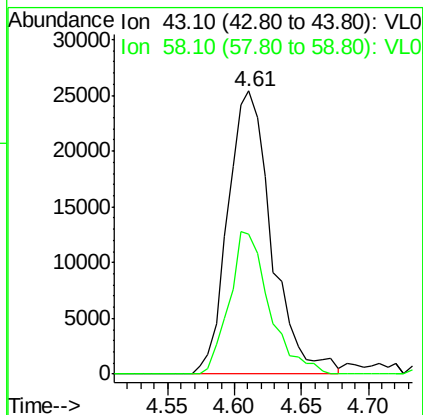
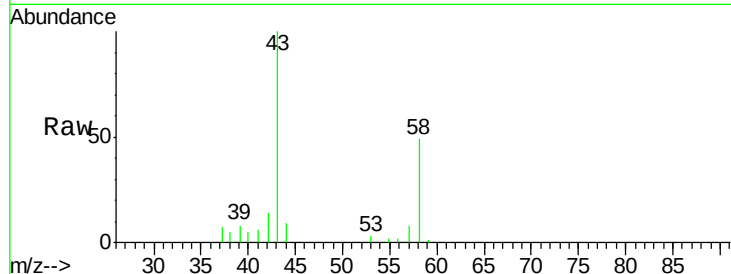
Concen: 0.55 ppbv m
RT: 4.61 min Scan# 250
Delta R.T. 0.02 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion: 43 Resp: 57973
Ion Ratio Lower Upper
43 100
58 45.8 19.2 28.8#

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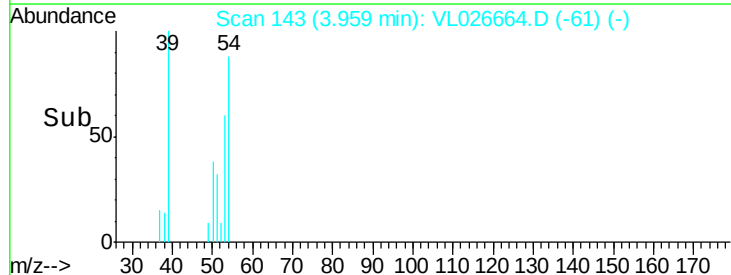
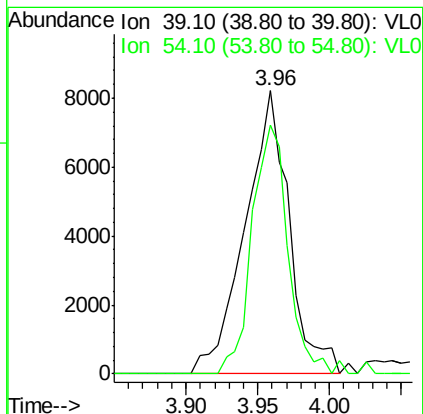
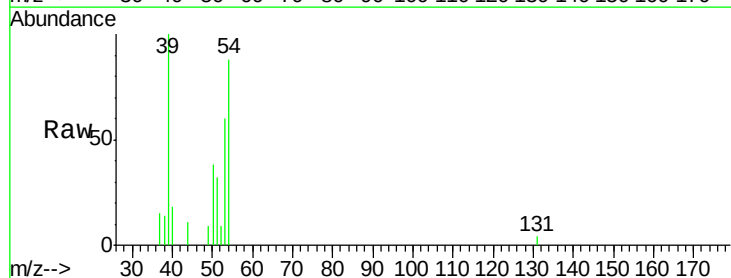


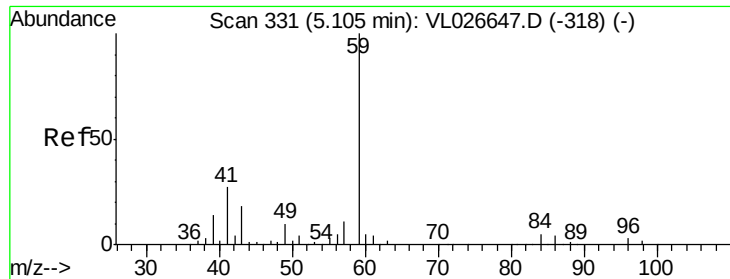
#16

1,3-Butadiene

Concen: 0.42 ppbv m
RT: 3.96 min Scan# 143
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 39 Resp: 17574
Ion Ratio Lower Upper
39 100
54 71.7 66.6 100.0





#17

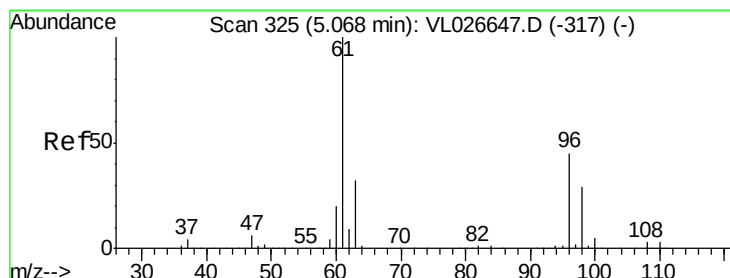
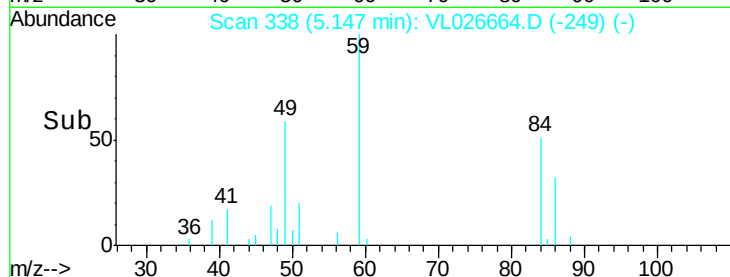
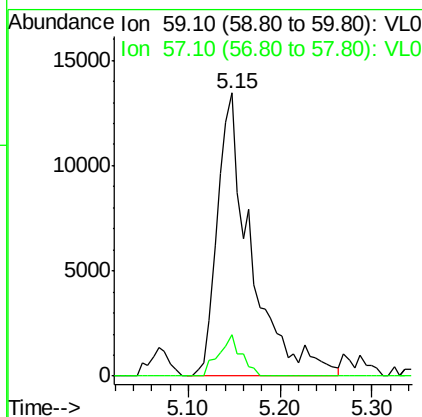
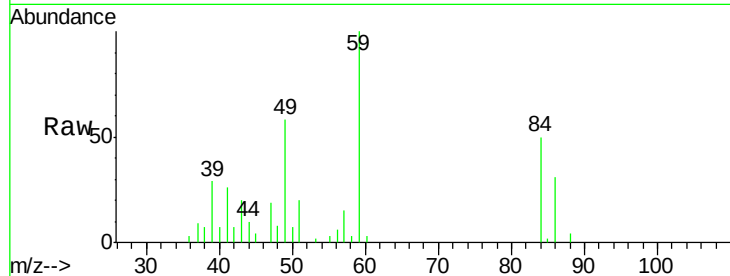
tert-Butyl alcohol
Concen: 0.43 ppbv m
RT: 5.15 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion: 59 Resp: 34273
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

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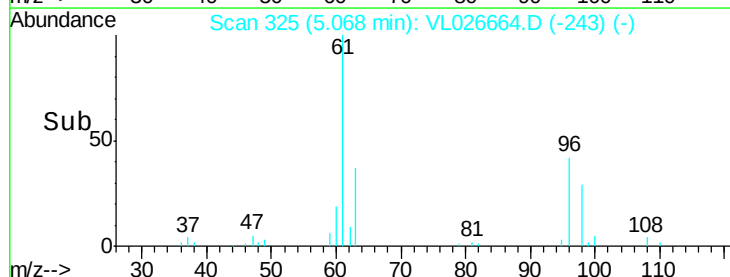
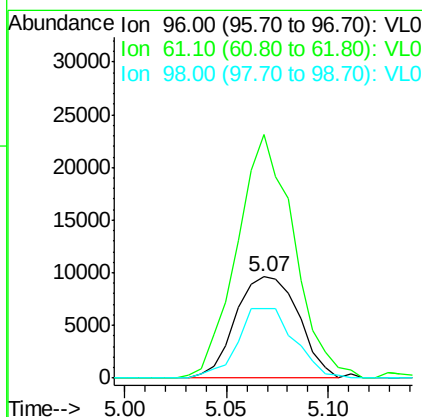
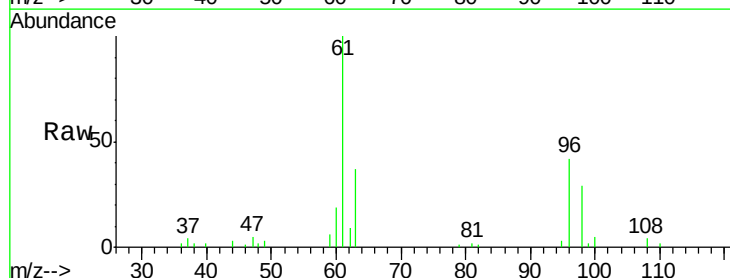
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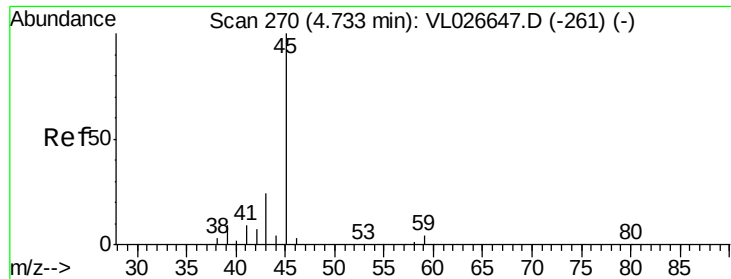


#18

1,1-Dichloroethene
Concen: 0.46 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 96 Resp: 20683
Ion Ratio Lower Upper
96 100
61 237.3 176.7 265.1
98 68.8 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.41 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.03 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 45 Resp: 17649

Ion Ratio Lower Upper

45 100

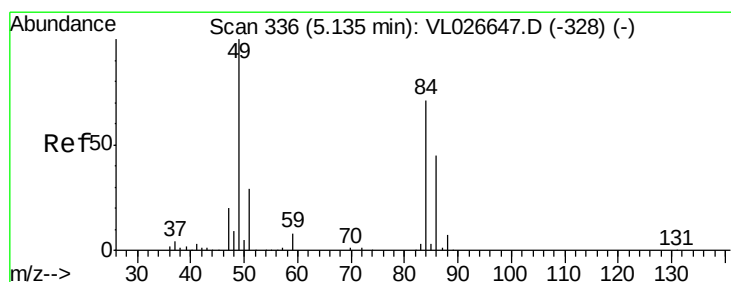
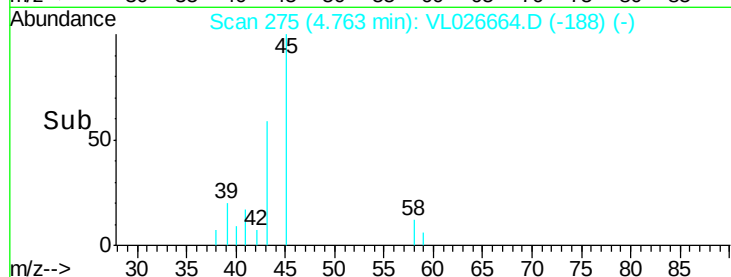
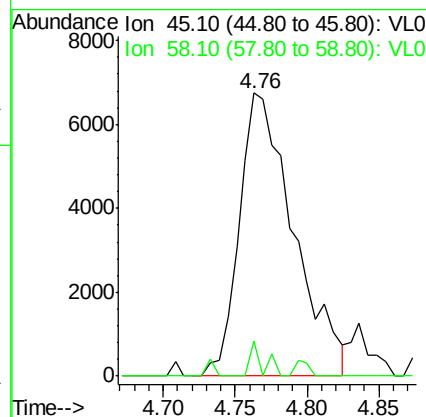
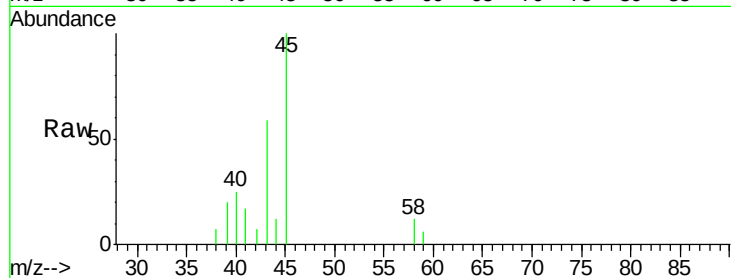
58 150.5 1.3 1.9#

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#20

Methylene Chloride

Concen: 0.52 ppbv m

RT: 5.14 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion: 84 Resp: 22271

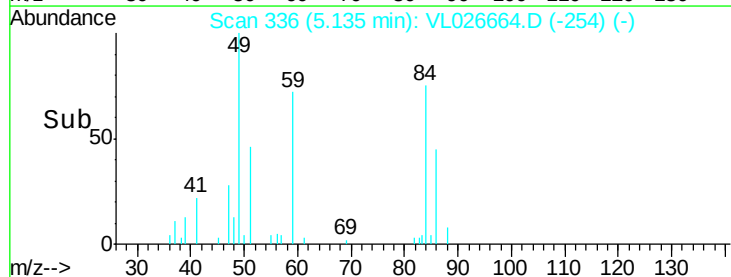
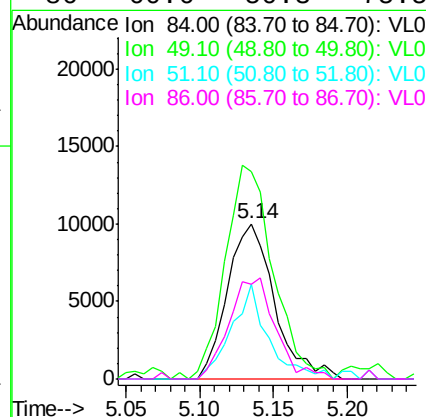
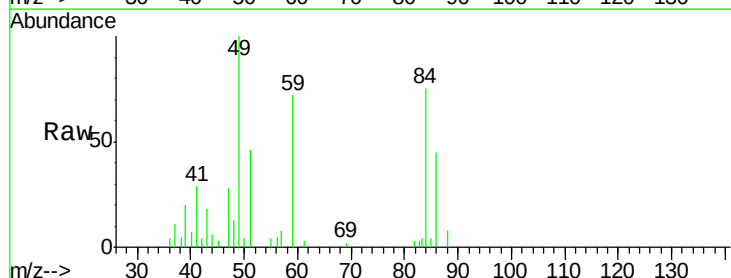
Ion Ratio Lower Upper

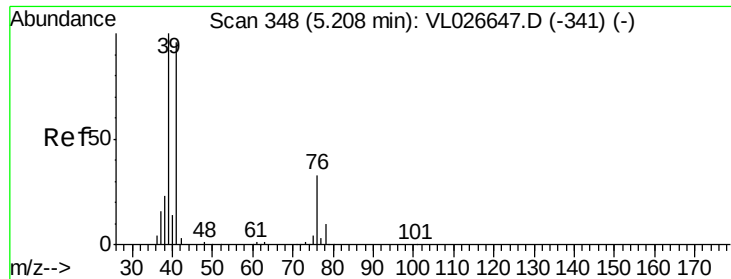
84 100

49 133.5 112.3 168.5

51 60.8 32.5 48.7#

86 60.6 50.3 75.5





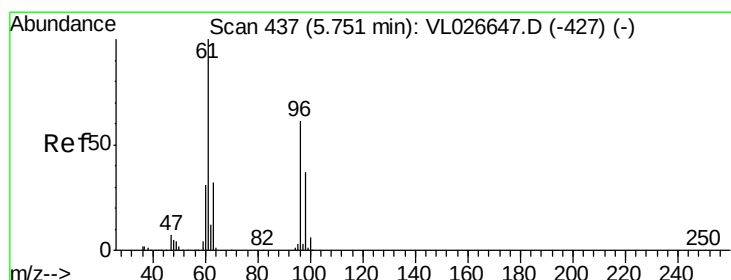
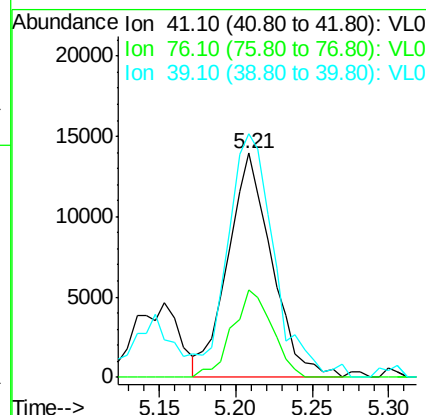
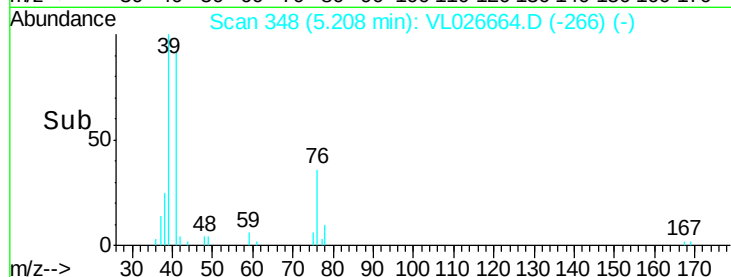
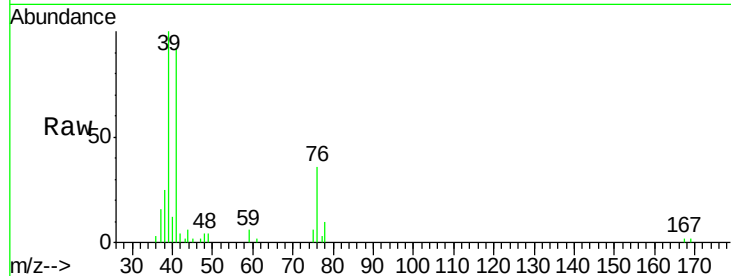
#21
Allvl Chloride
Concen: 0.43 ppbv
RT: 5.21 min Scan# 348
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
41	100		
76	35.3	27.5	41.3
39	141.4	83.0	124.6#

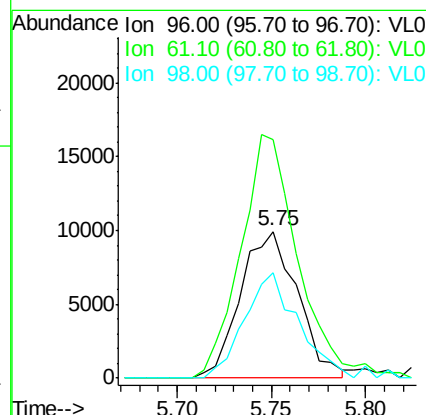
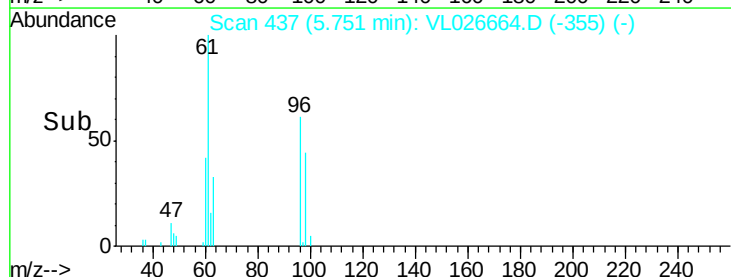
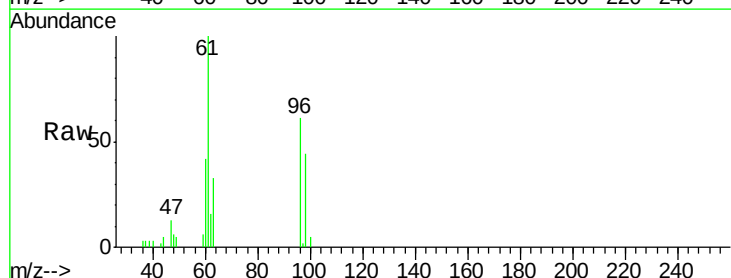
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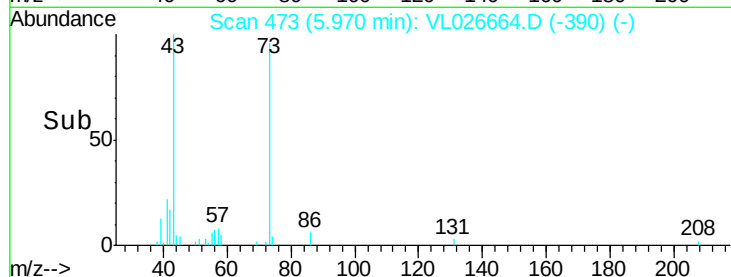
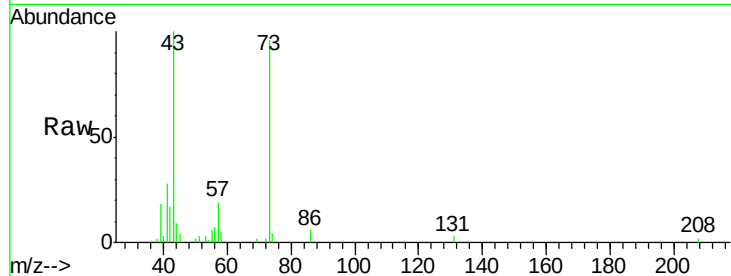
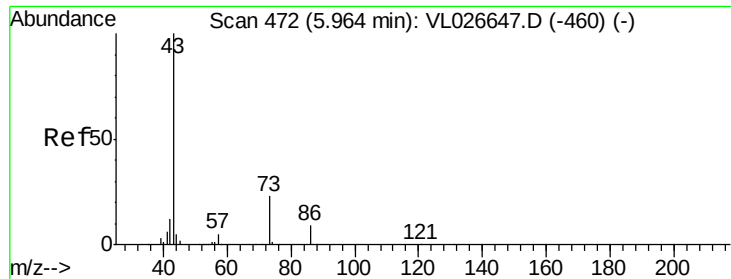
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#22
trans-1,2-Dichloroethene
Concen: 0.41 ppbv
RT: 5.75 min Scan# 437
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	131.0	196.6
98	72.2	48.1	72.1#





#23

Vinyl Acetate

Concen: 0.30 ppbv

RT: 5.97 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tot Ion	43	Resp	48512
Ion Ratio	Lower	Upper	
43	100		
86	6.2	7.4	11.0#
42	17.0	9.2	13.8#
44	9.1	3.8	5.8#

Instrument :

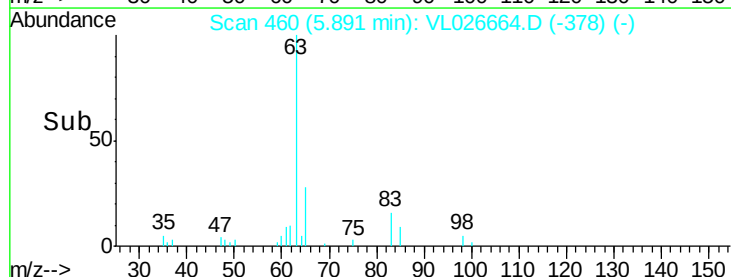
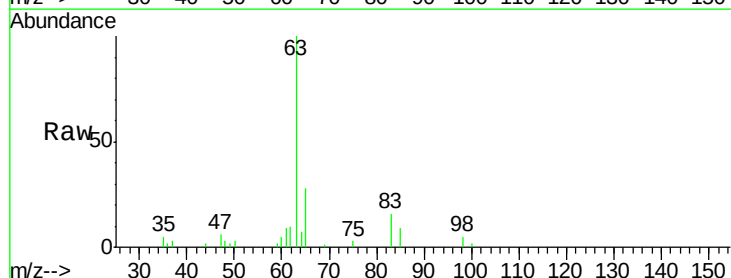
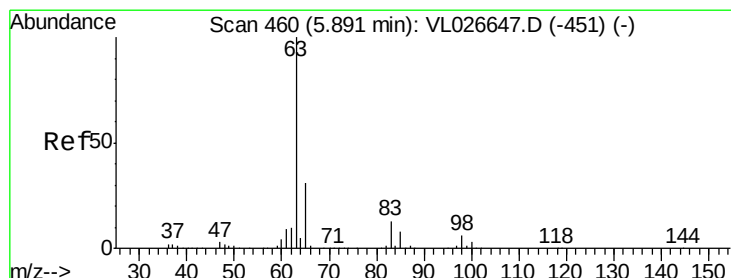
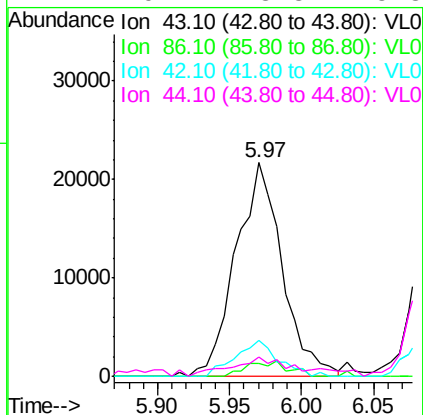
MSVOA_L

ClientSampled :

MDL-AIR-6

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#24

1,1-Dichloroethane

Concen: 0.44 ppbv

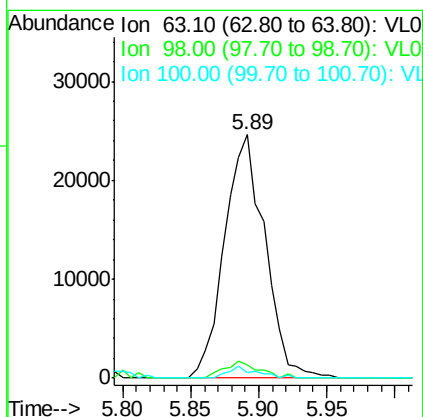
RT: 5.89 min Scan# 460

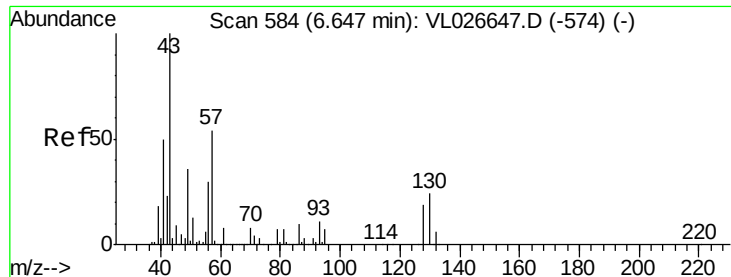
Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion	63	Resp	51064
Ion Ratio	Lower	Upper	
63	100		
98	5.2	2.9	8.7
100	2.5	1.6	4.8





#25

Ethyl Acetate

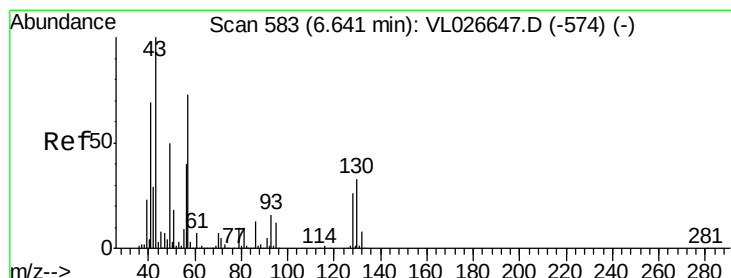
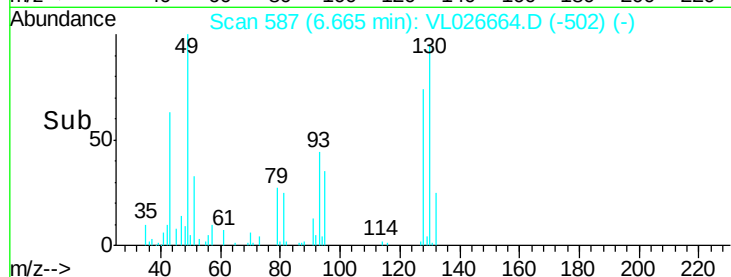
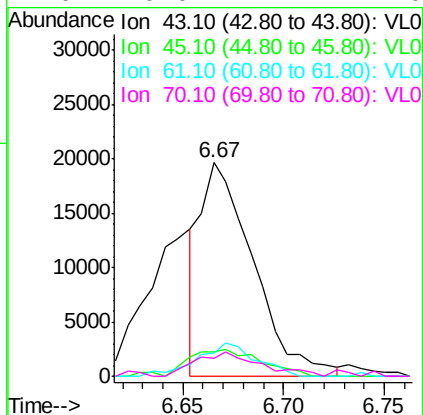
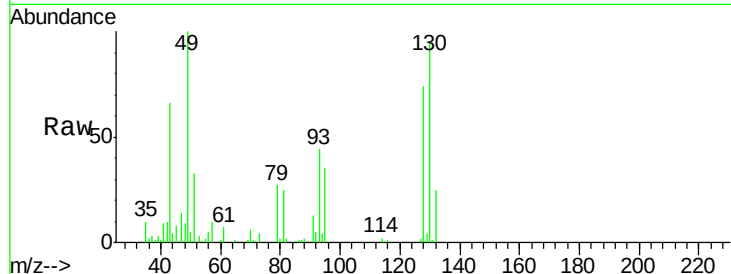
Concen: 0.22 ppbv m
RT: 6.67 min Scan# 587
Delta R.T. 0.02 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	17.9	7.5	11.3#	
61	17.1	7.3	10.9#	
70	16.0	7.4	11.0#	

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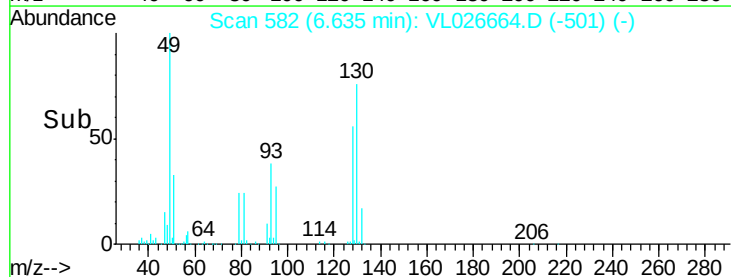
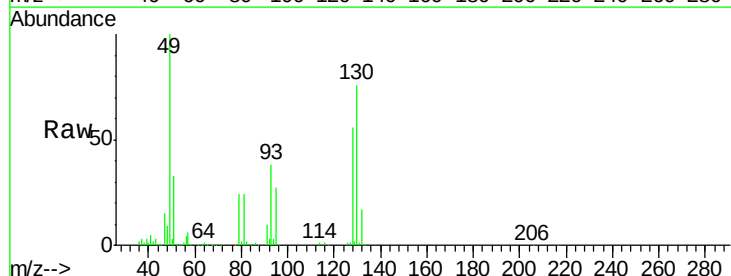
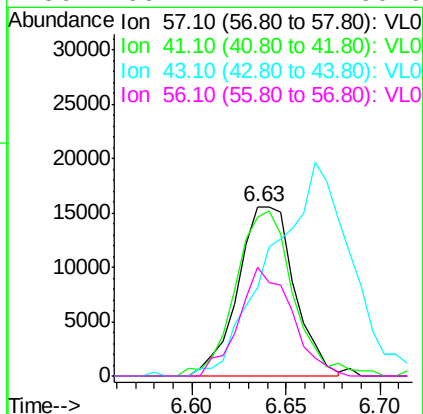


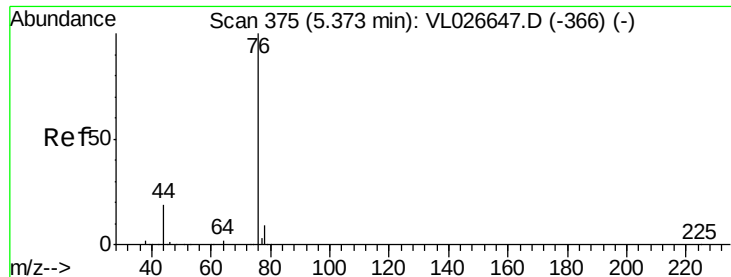
#26

Hexane

Concen: 0.39 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	100.5	74.8	112.2	
43	182.7	161.5	242.3	
56	60.2	44.4	66.6	





#27

Carbon Disulfide

Concen: 0.46 ppbv

RT: 5.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

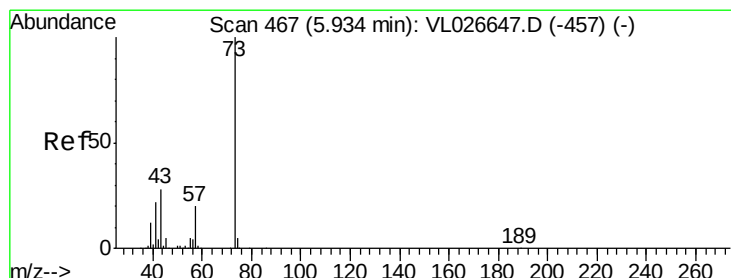
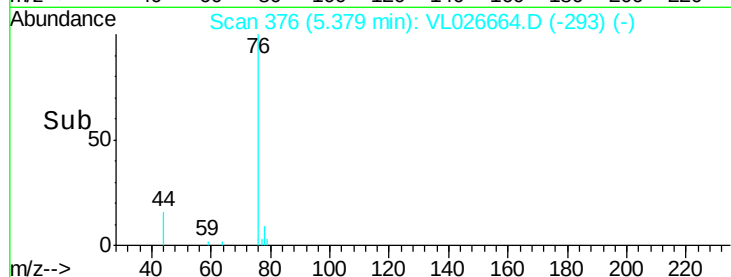
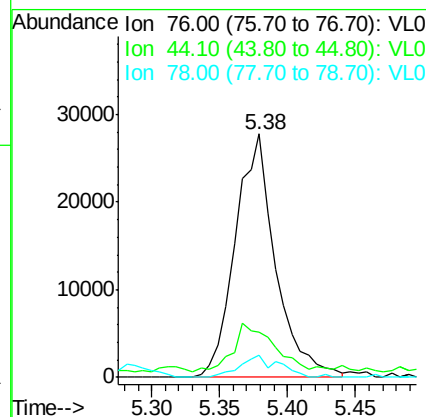
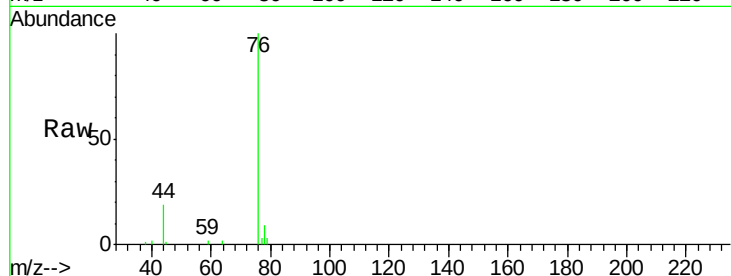
ClientSampleId :

MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
76	100		
44	31.4	15.9	23.9#
78	8.9	7.6	11.4

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#28

Methyl tert-Butyl Ether

Concen: 0.36 ppbv

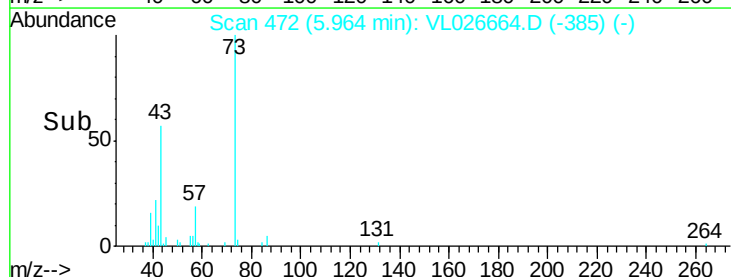
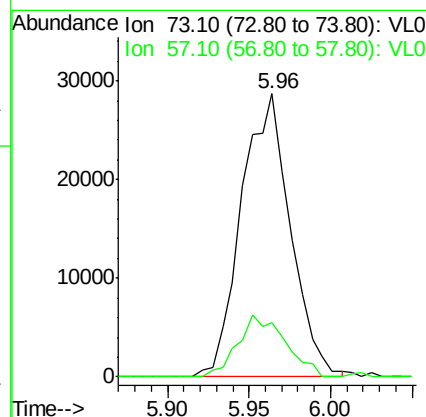
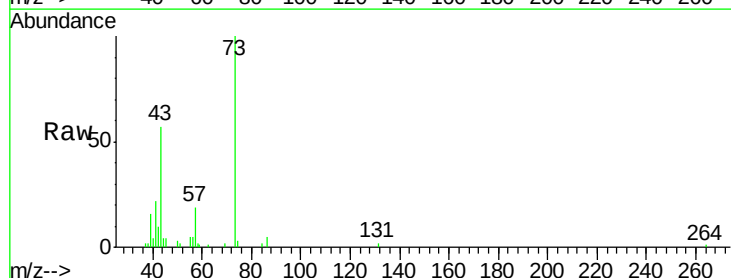
RT: 5.96 min Scan# 472

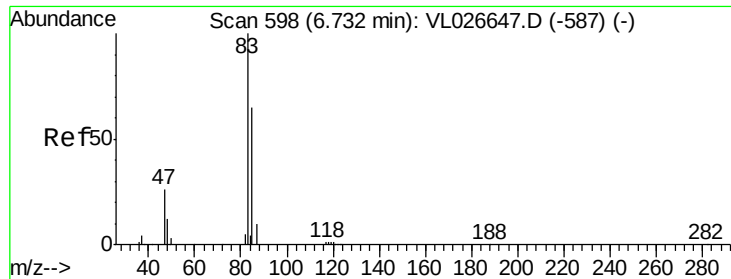
Delta R.T. 0.03 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.5	16.2	24.4





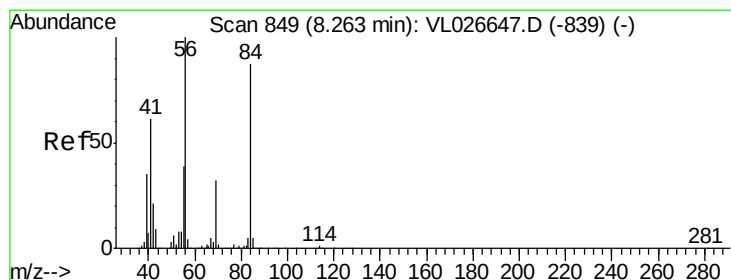
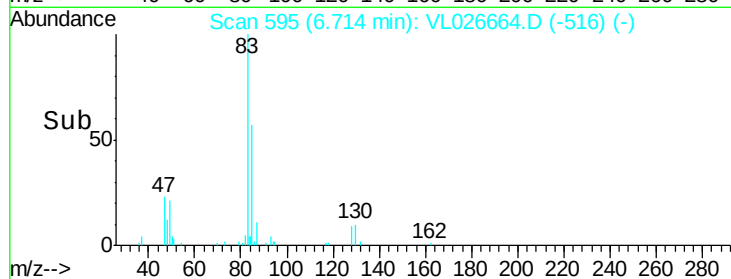
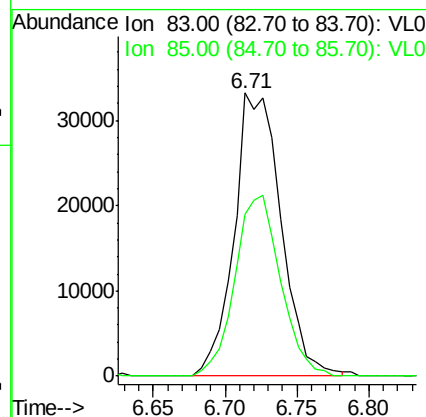
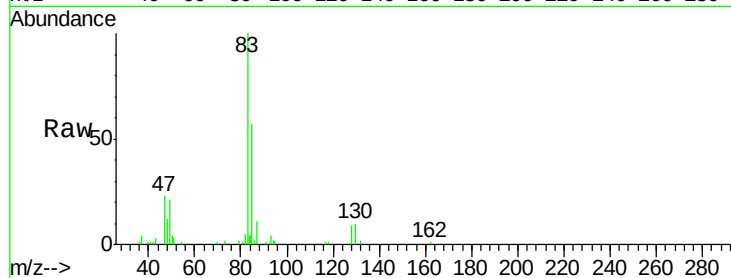
#29
Chloroform
Concen: 0.50 ppbv
RT: 6.71 min Scan# 595
Delta R.T. -0.02 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion	83.00	Resp	75274
Ion Ratio	Lower	Upper	
83	100		
85	57.0	51.6	77.4

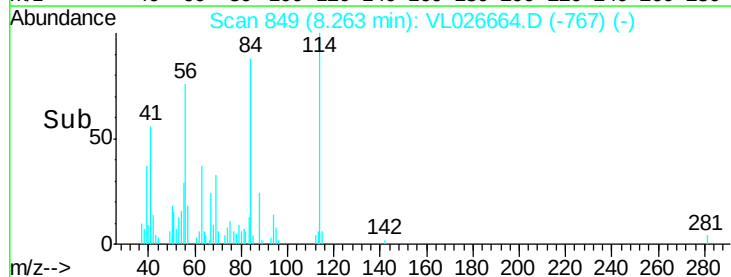
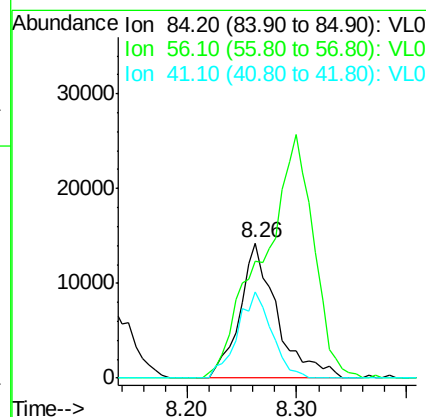
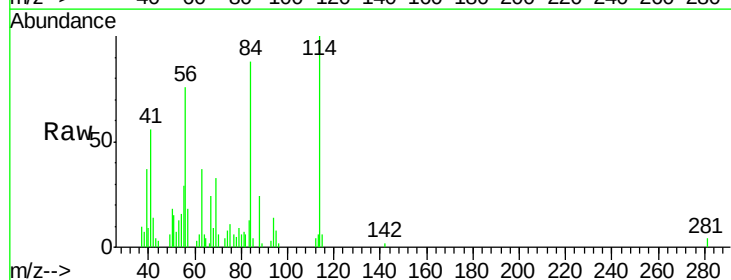
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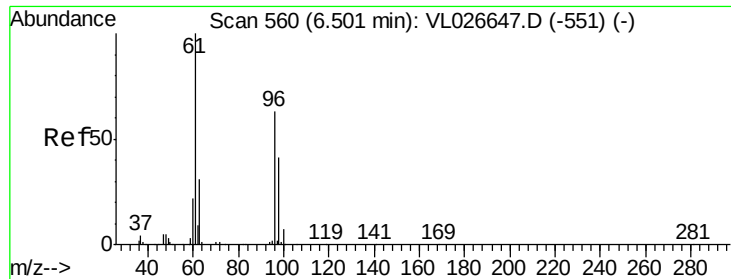
MMdadoda
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#30
Cyclohexane
Concen: 0.41 ppbv m
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	84	Resp	33625
Ion Ratio	Lower	Upper	
84	100		
56	0.0	95.9	143.9#
41	58.3	54.8	82.2





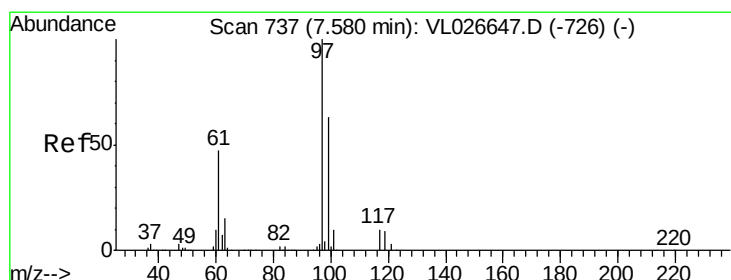
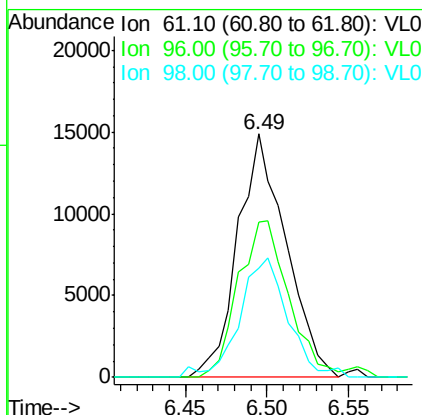
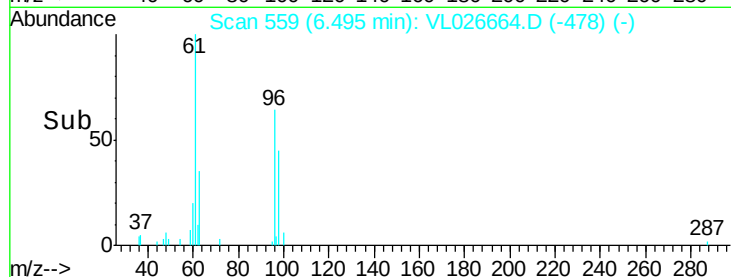
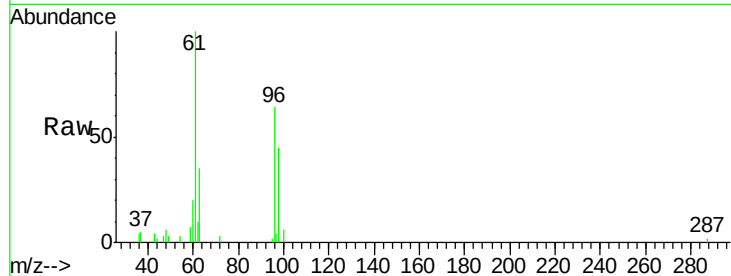
#31
 cis-1,2-Dichloroethene
 Concen: 0.36 ppbv
 RT: 6.49 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		30647		
96	63.6	50.2	75.4		
98	40.8	32.4	48.6		

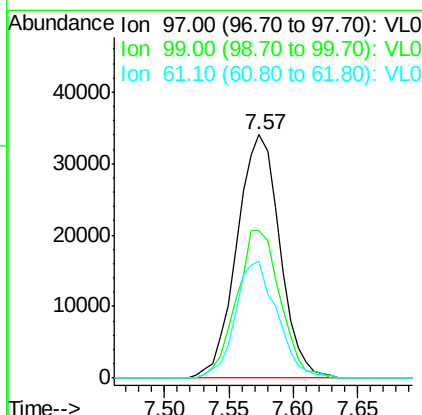
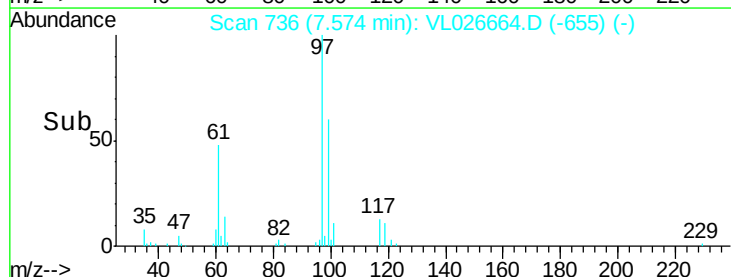
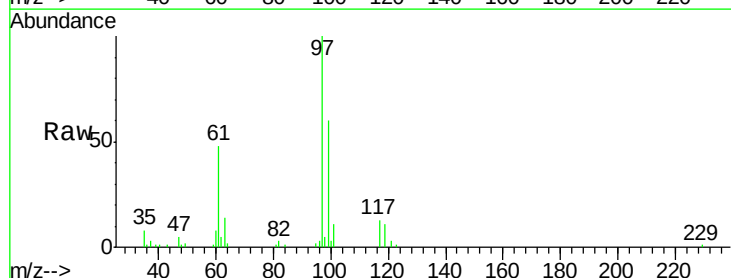
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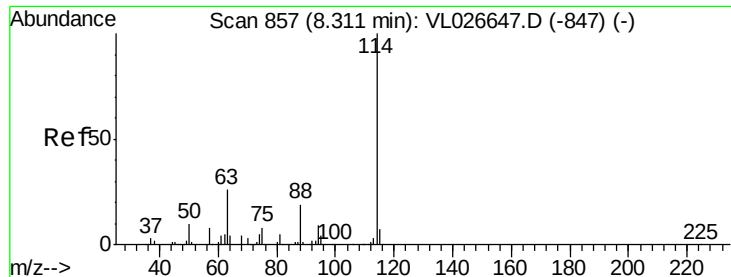
MMdadoda
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#32
 1,1,1-Trichloroethane
 Concen: 0.46 ppbv
 RT: 7.57 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		78770		
99	61.4	50.8	76.2		
61	46.6	38.9	58.3		





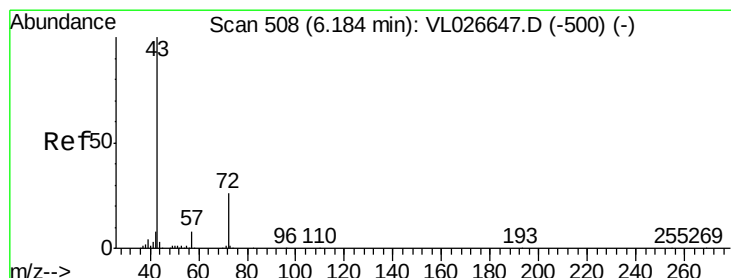
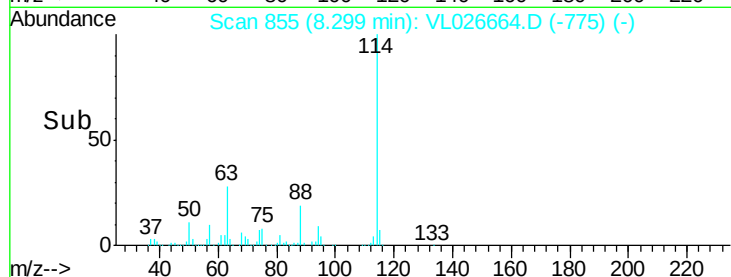
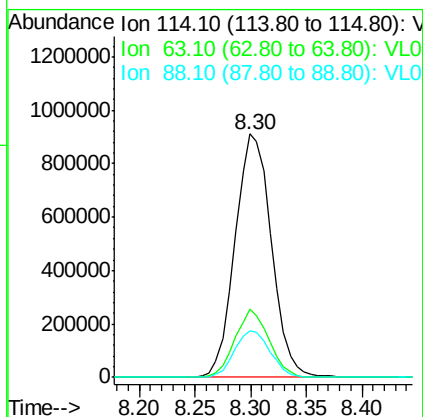
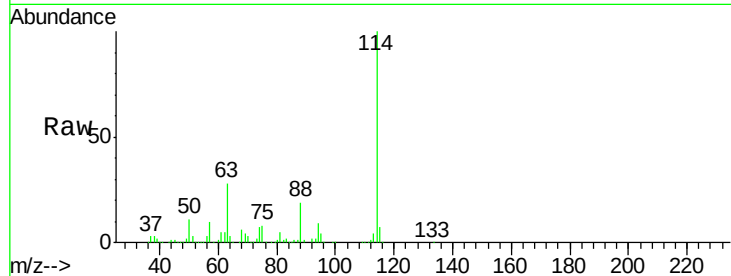
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	21.7	32.5
88	18.9	15.2	22.8

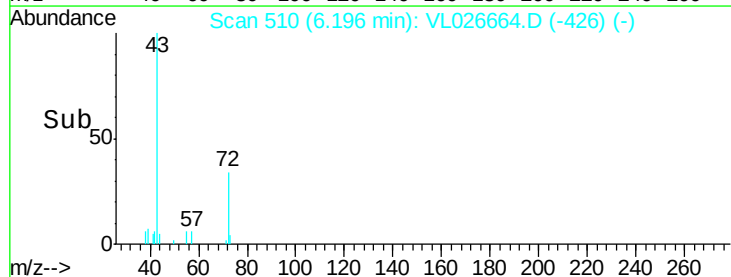
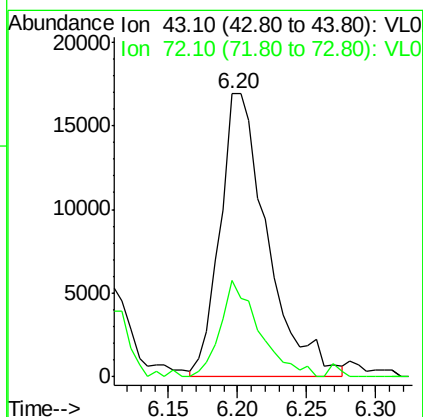
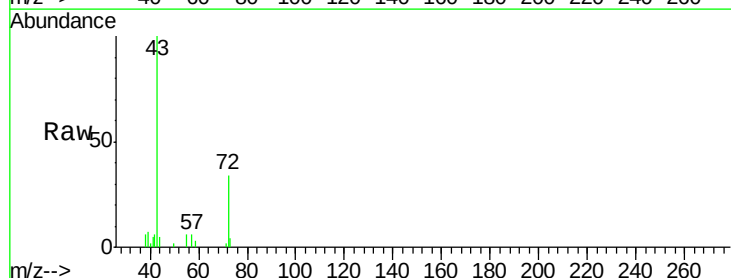
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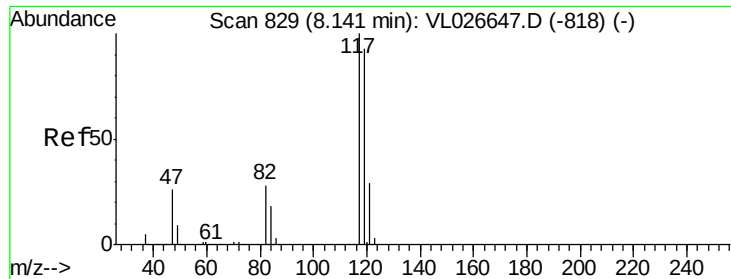
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#34
 2-Butanone
 Concen: 0.36 ppbv m
 RT: 6.20 min Scan# 510
 Delta R.T. 0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.5	20.9	31.3





#35

Carbon Tetrachloride

Concen: 0.40 ppbv

RT: 8.14 min Scan# 829

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

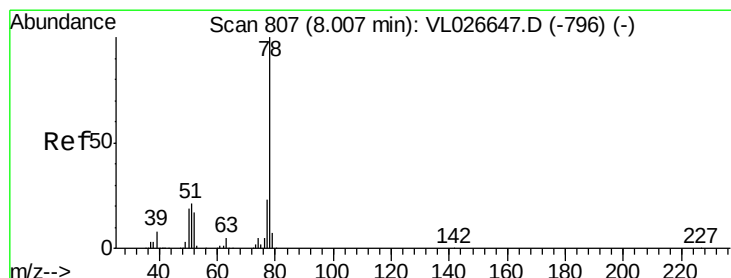
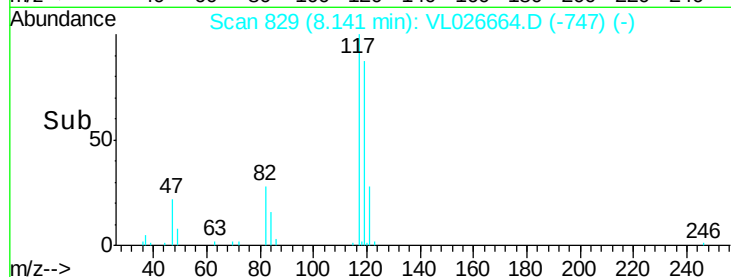
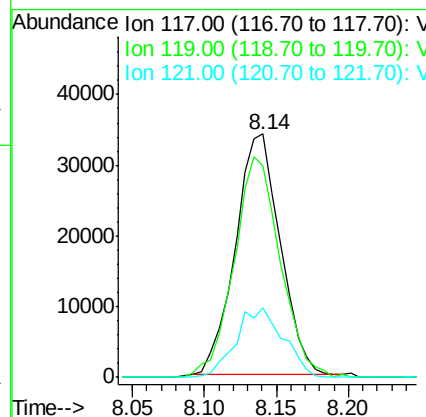
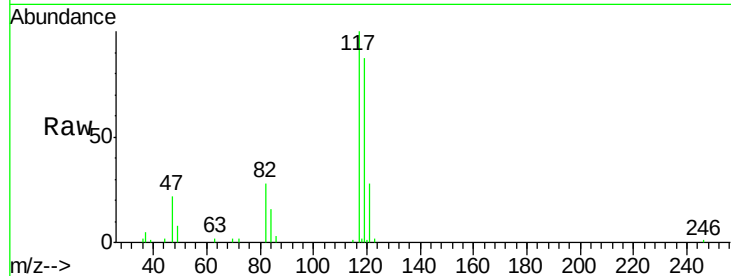
ClientSampleId :

MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.6	74.7	112.1
121	28.7	23.1	34.7

Manual Integrations
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#36

Benzene

Concen: 0.33 ppbv

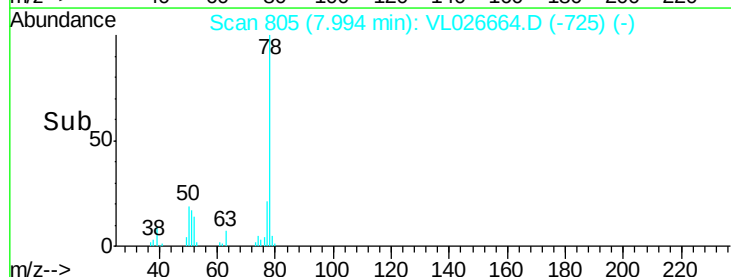
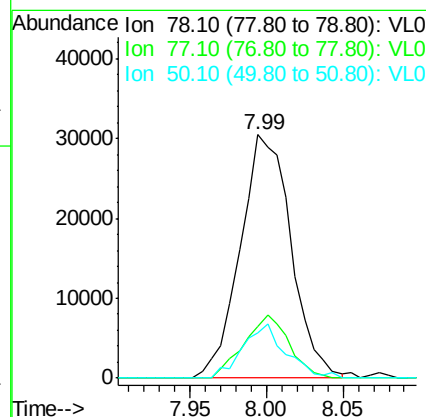
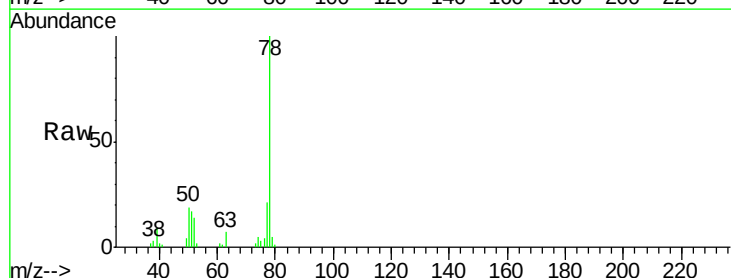
RT: 7.99 min Scan# 805

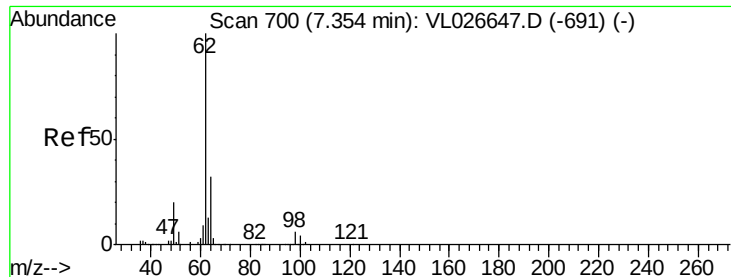
Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.5	27.7
50	18.5	15.4	23.2





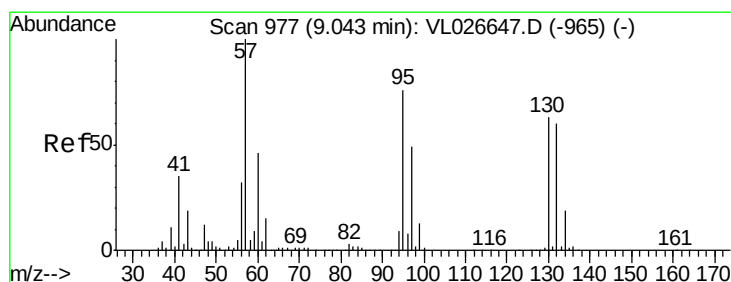
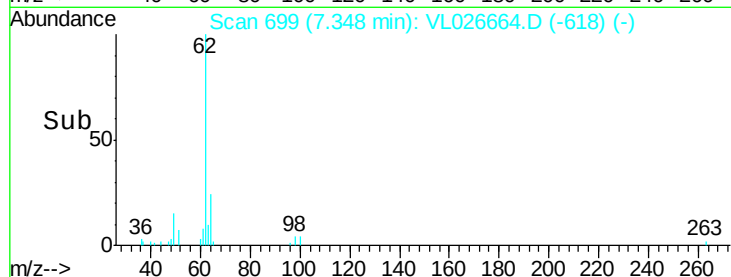
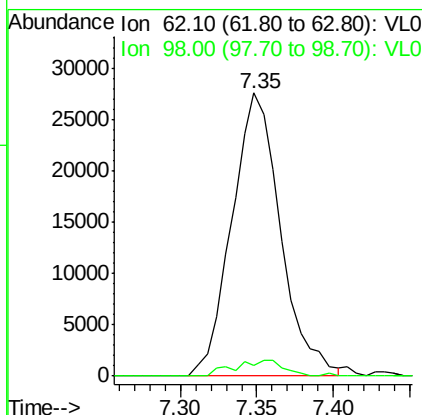
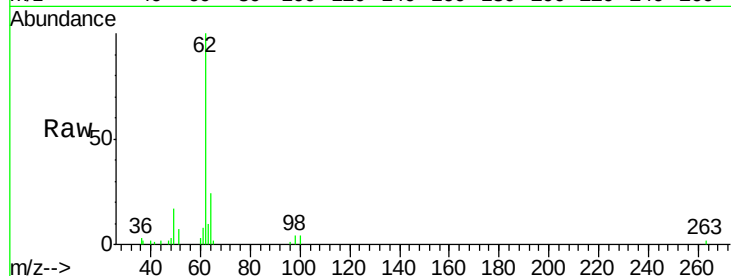
#37
 1,2-Dichloroethane
 Concen: 0.42 ppbv
 RT: 7.35 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ratio	Resp	Lower	Upper
62	100	61050		
98	5.9		4.8	7.2

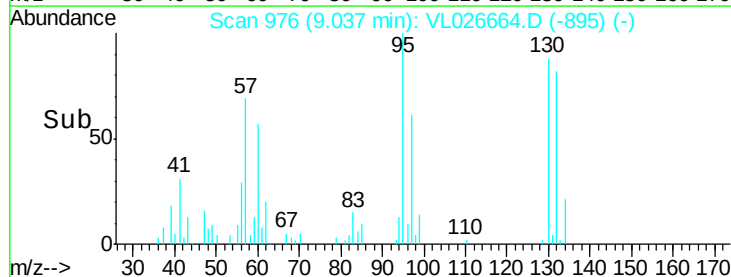
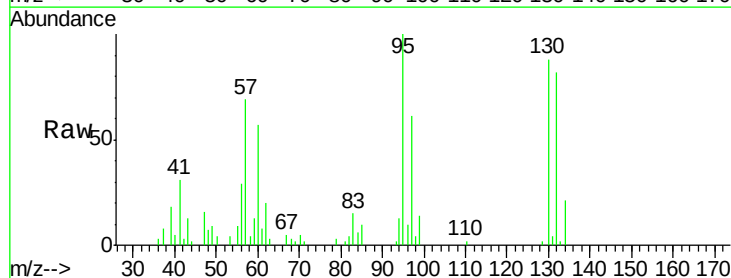
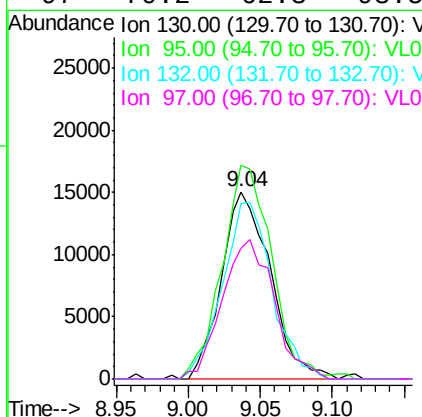
Manual Integrations
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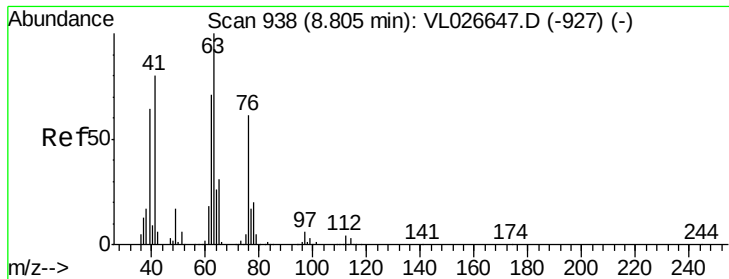
MMdadoda
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#38
 Trichloroethene
 Concen: 0.37 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	35637		
95	111.8		96.6	145.0
132	93.6		76.2	114.4
97	70.2		62.3	93.5





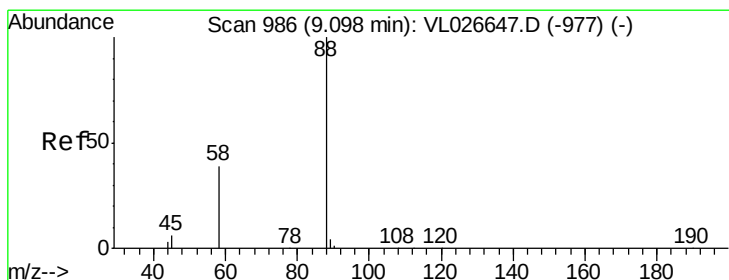
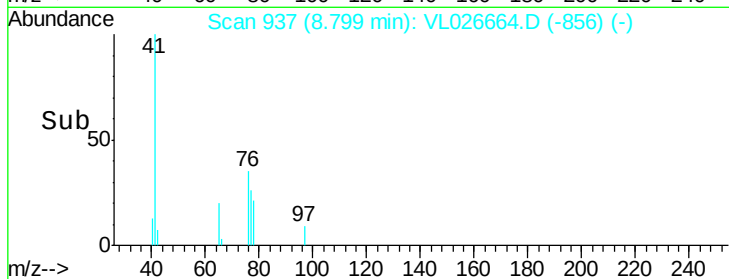
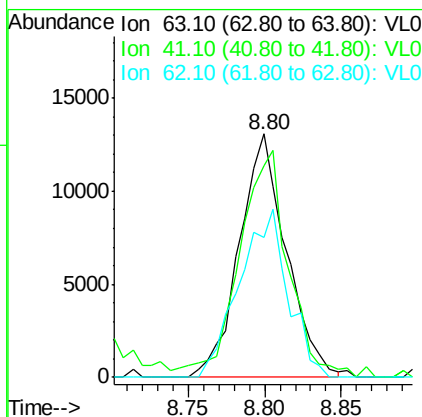
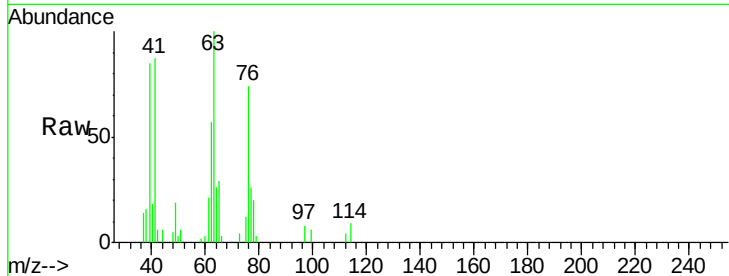
#39
 1,2-Dichloropropane
 Concen: 0.38 ppbv
 RT: 8.80 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
63	100		
41	83.6	64.1	96.1
62	57.5	56.6	84.8

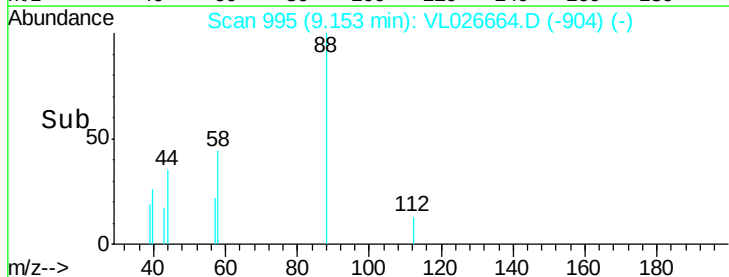
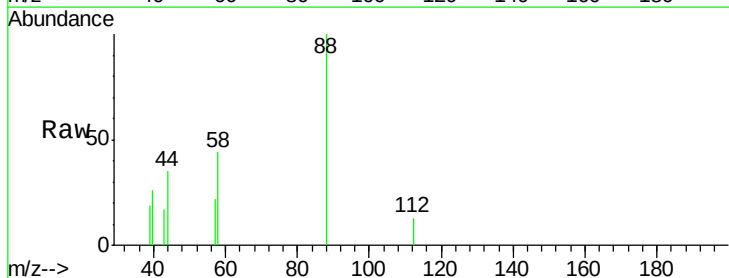
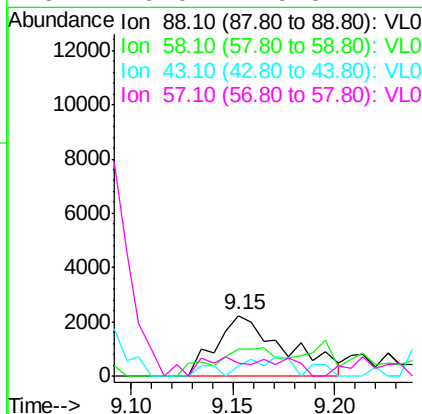
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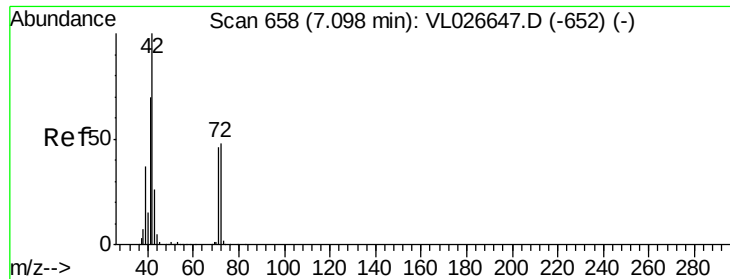
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#40
 1,4-Dioxane
 Concen: 0.31 ppbv
 RT: 9.15 min Scan# 995
 Delta R.T. 0.05 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	109.4	164.2#
43	30.9	238.2	357.2#
57	0.0	1148.3	1722.5#





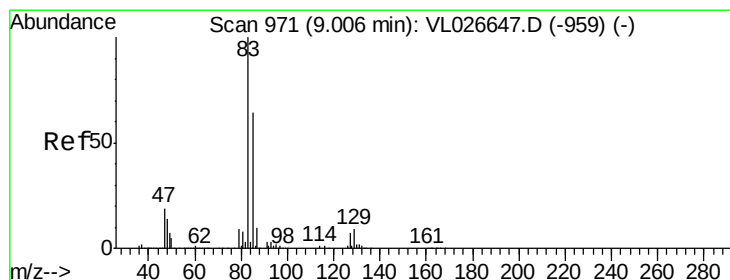
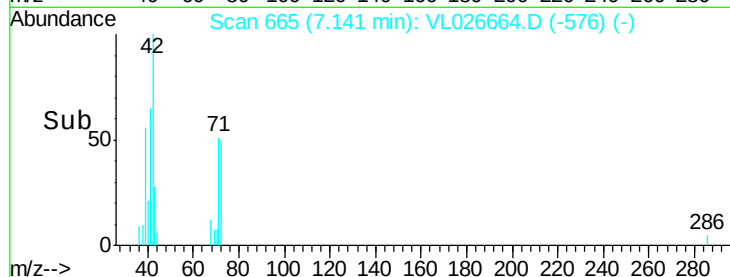
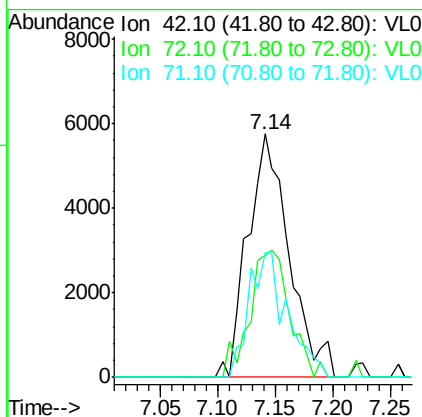
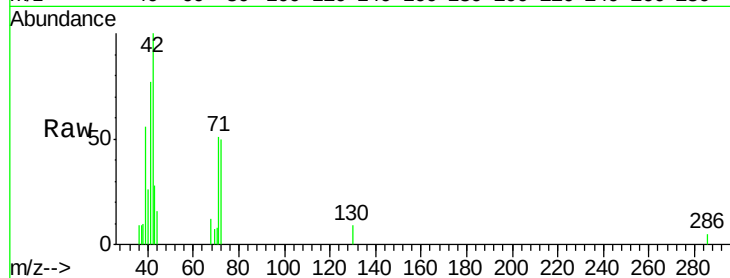
#41
Tetrahydrofuran
Concen: 0.26 ppbv m
RT: 7.14 min Scan# 665
Delta R.T. 0.04 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.6	60.8#
71	0.0	38.4	57.6#

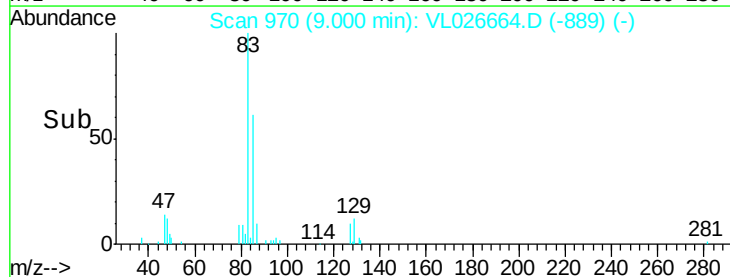
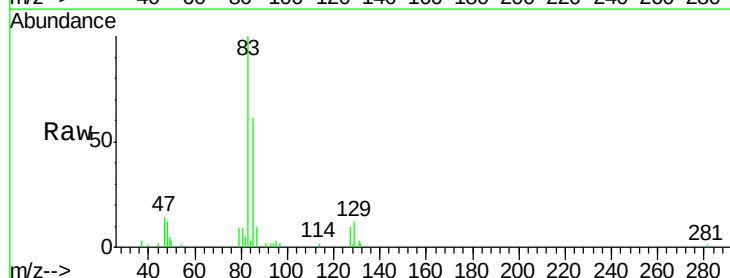
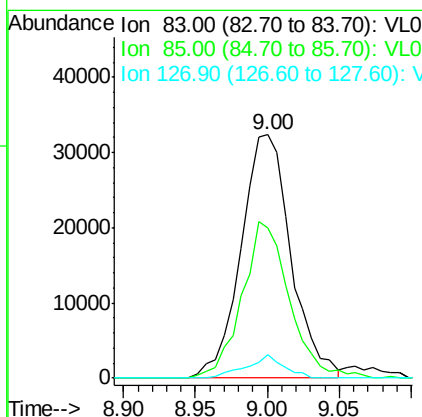
Manual Integrations
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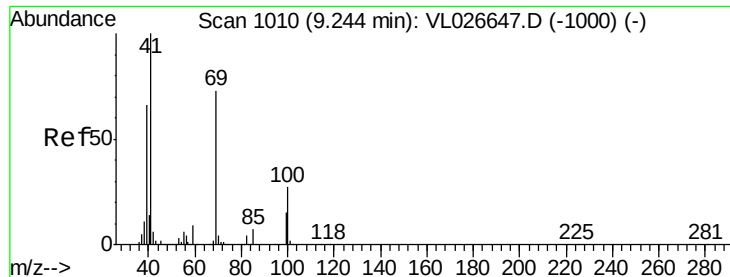
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#42
Bromodichloromethane
Concen: 0.41 ppbv
RT: 9.00 min Scan# 970
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	50.9	76.3
127	9.8	5.5	8.3#





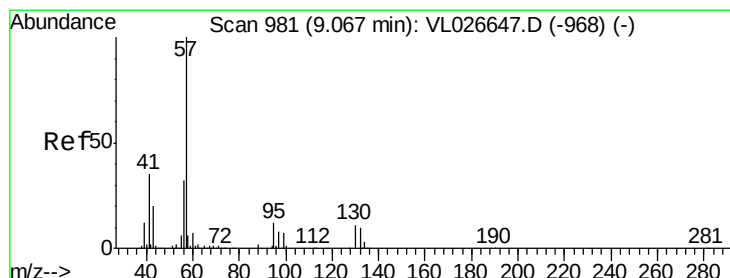
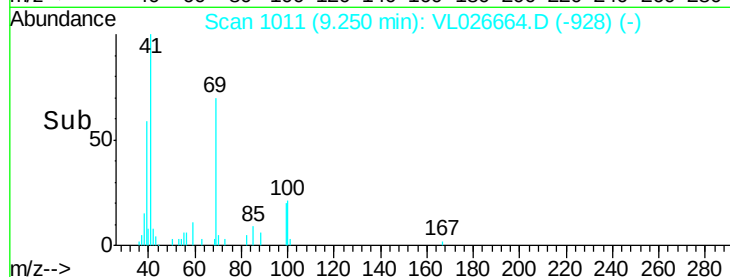
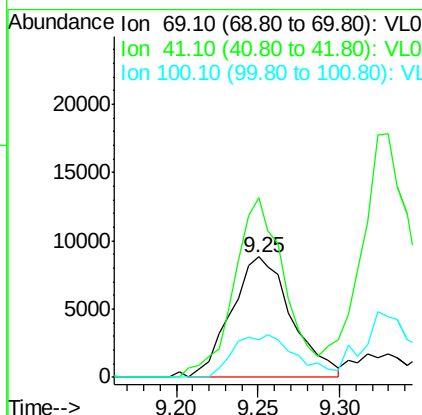
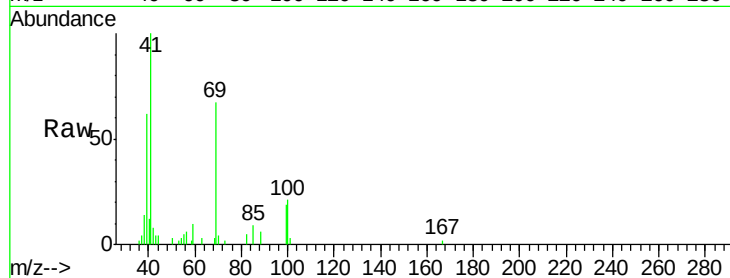
#43
Methyl Methacrylate
Concen: 0.29 ppbv
RT: 9.25 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
69	100		
41	121.9	106.1	159.1
100	37.0	29.0	43.4

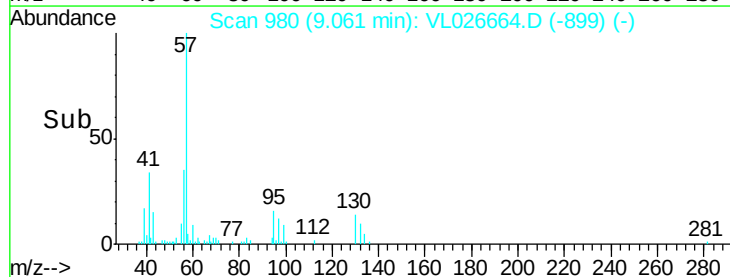
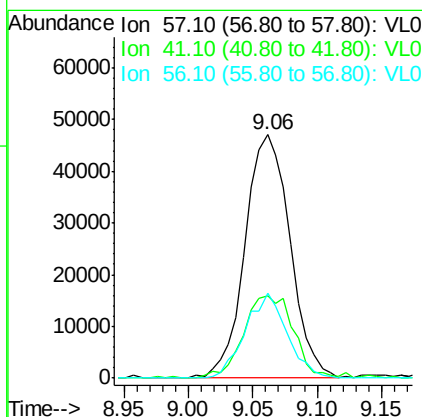
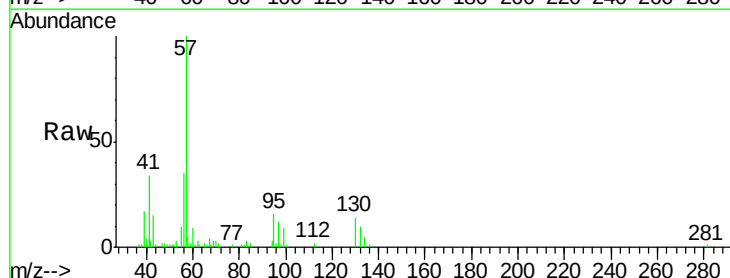
Manual Integrations
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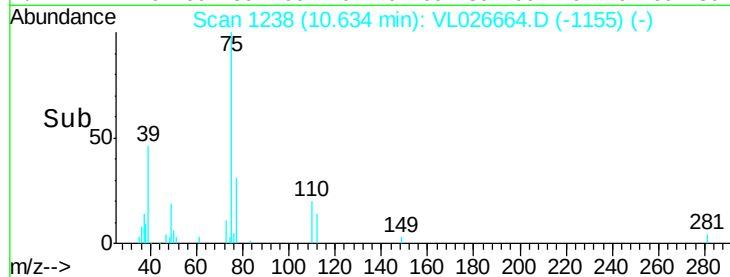
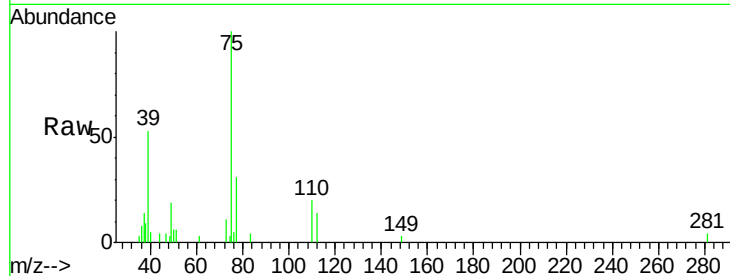
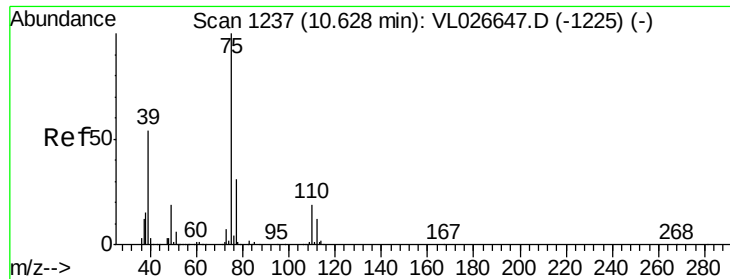
MMdadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.33 ppbv
RT: 9.06 min Scan# 980
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.7	26.9	40.3
56	32.3	25.4	38.0





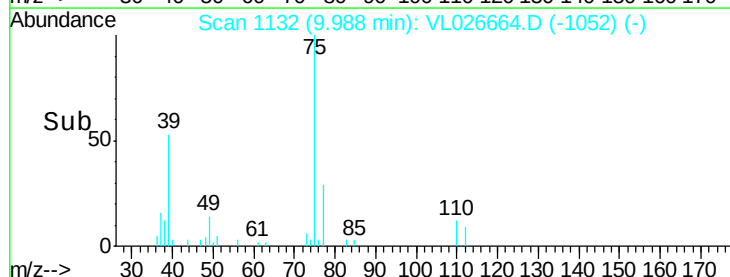
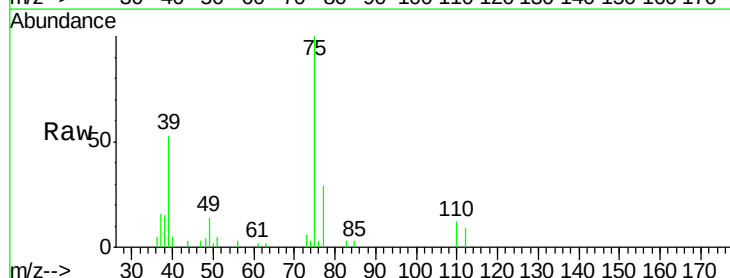
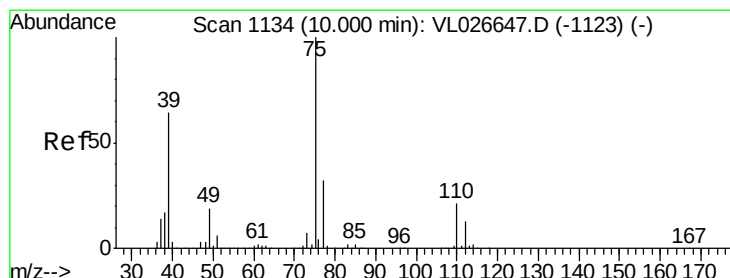
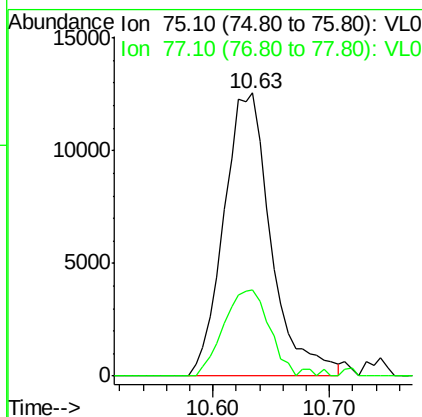
#45
t-1,3-Dichloropropene
Concen: 0.28 ppbv
RT: 10.63 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tot Ion: 75 Resp: 35432
Ion Ratio Lower Upper
75 100
77 30.5 24.6 37.0

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-6

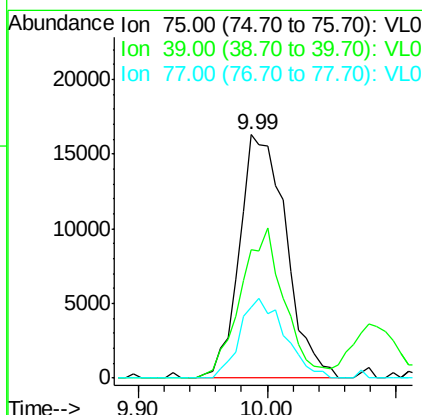
Manual Integrations
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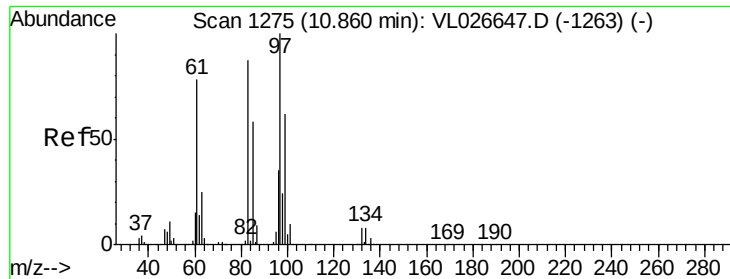
MMdadoda
1/14/2016 10:51:21 AM



#46
cis-1,3-Dichloropropene
Concen: 0.29 ppbv
RT: 9.99 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 75 Resp: 40853
Ion Ratio Lower Upper
75 100
39 52.6 51.2 76.8
77 29.0 25.9 38.9





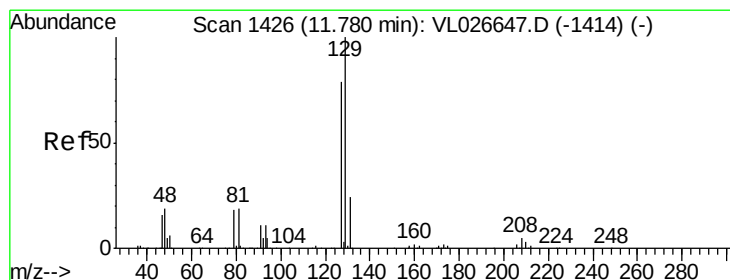
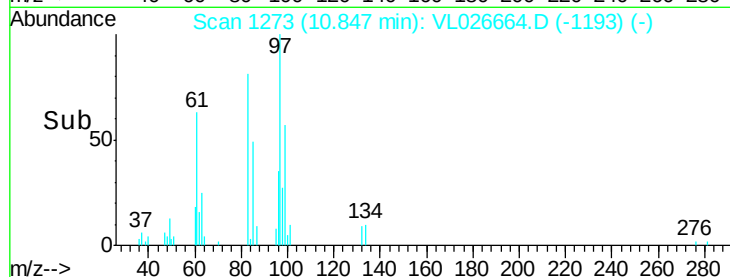
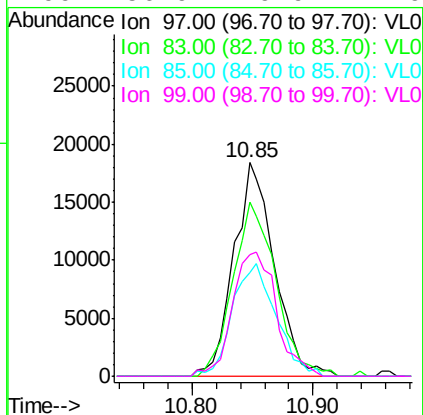
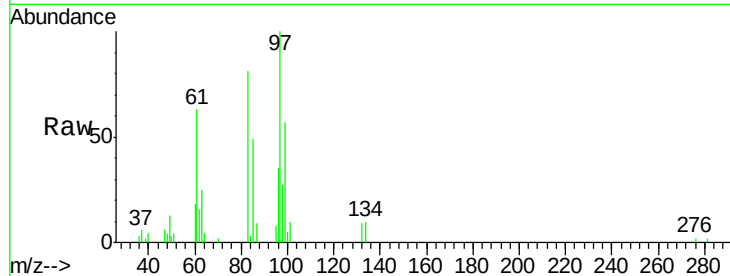
#47
 1,1,2-Trichloroethane
 Concen: 0.41 ppbv m
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.4	69.5	104.3
85	48.7	46.4	69.6
99	56.9	49.9	74.9

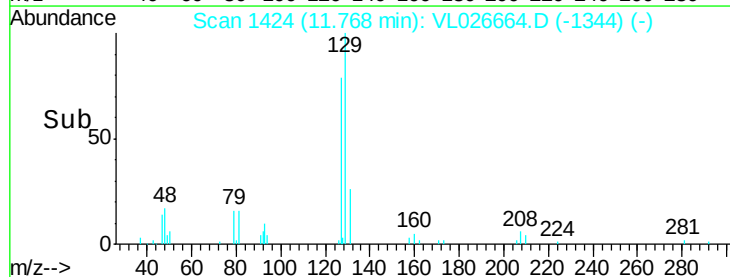
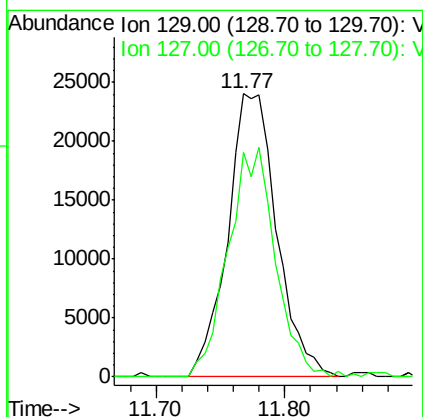
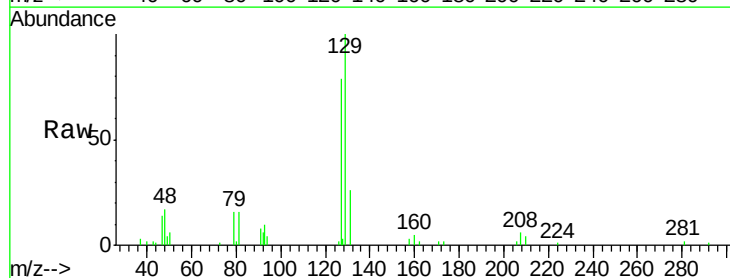
Manual Integrations
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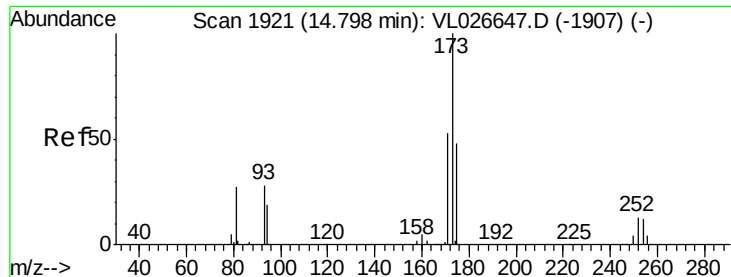
MMdadoda
 1/14/2016 10:51:21 AM



#48
 Dibromochloromethane
 Concen: 0.40 ppbv
 RT: 11.77 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.5	118.5





#49

Bromoform

Concen: 0.41 ppbv

RT: 14.79 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

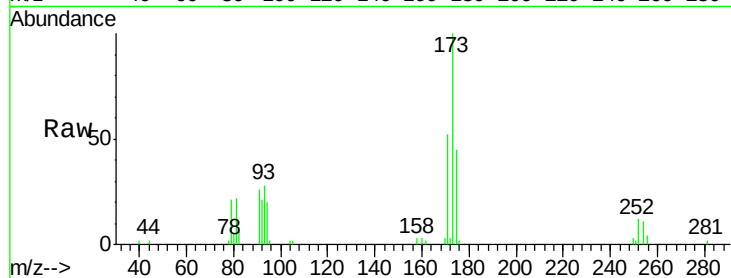
ClientSampleId :

MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.6	58.0
171	50.8	41.5	62.3

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1/14/2016 10:51:21 AM

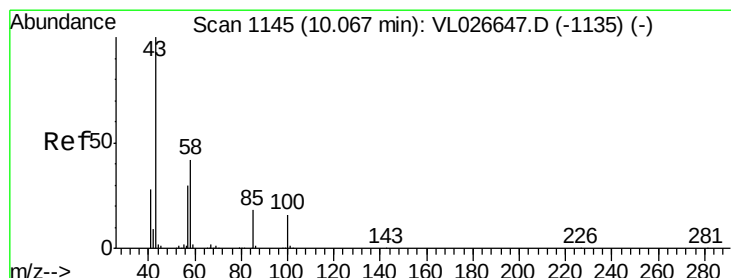
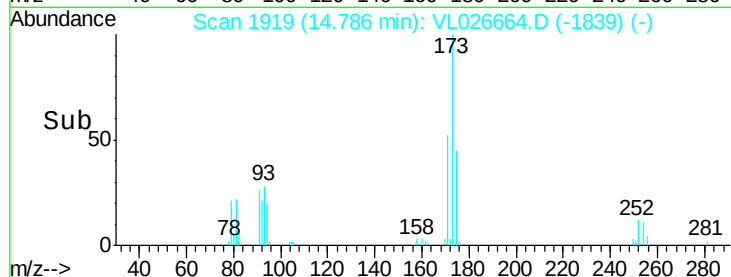
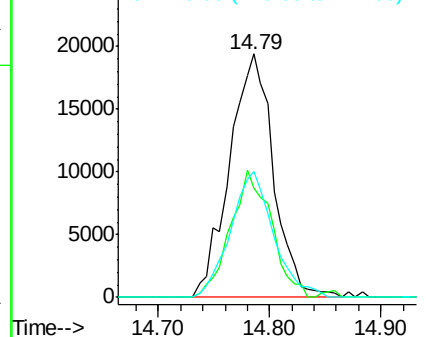


Abundance

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: 0.29 ppbv

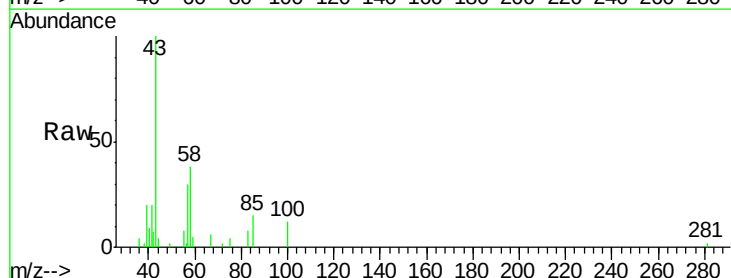
RT: 10.08 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

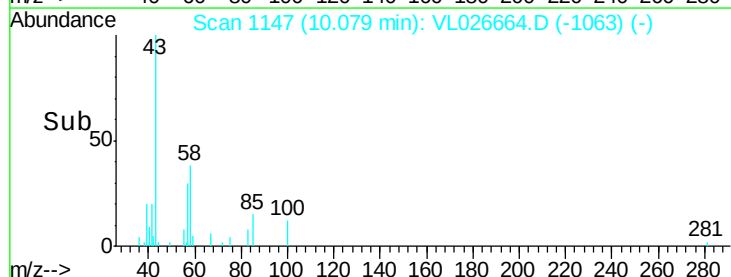
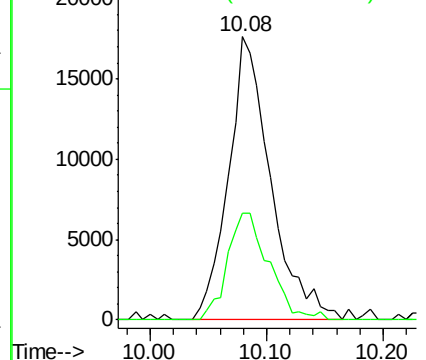
Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	32.4	48.6

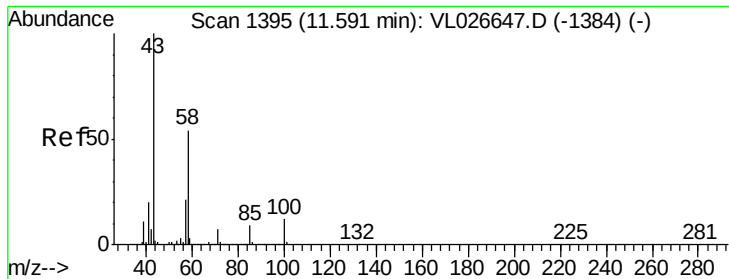


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





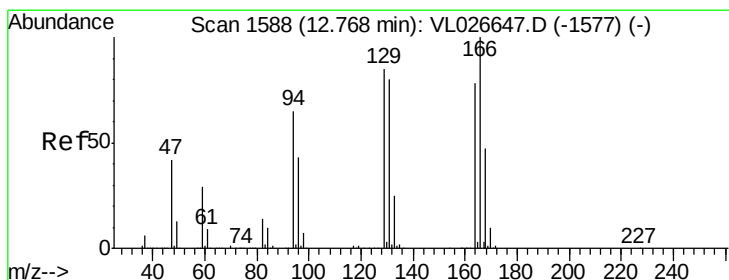
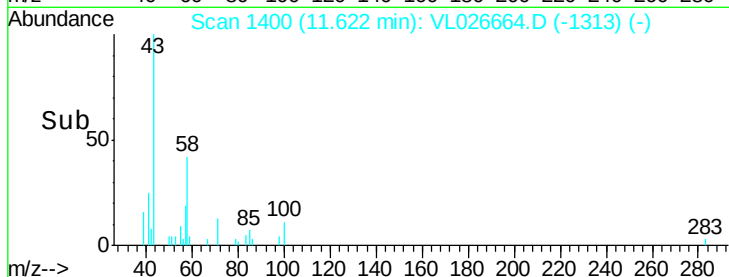
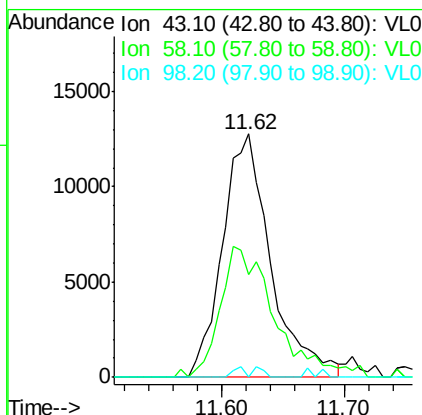
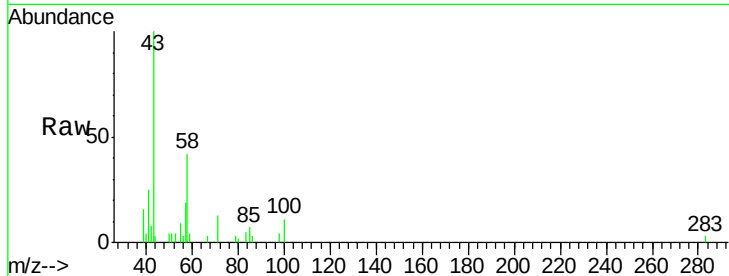
#51
2-Hexanone
Concen: 0.24 ppbv
RT: 11.62 min Scan# 1400
Delta R.T. 0.03 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.4	44.9	67.3
98	0.0	0.2	0.2#

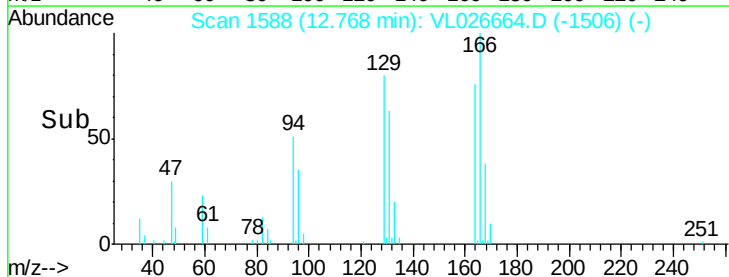
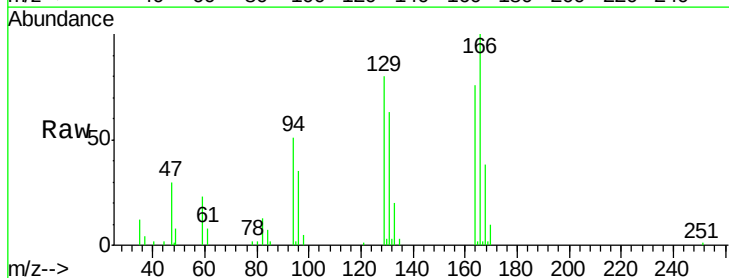
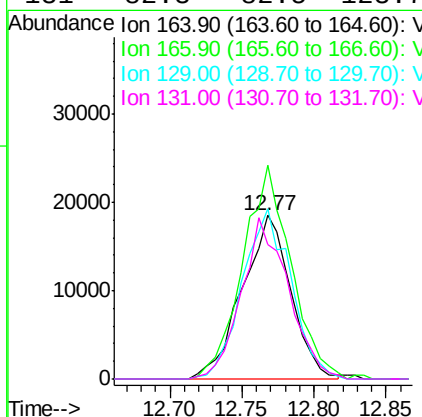
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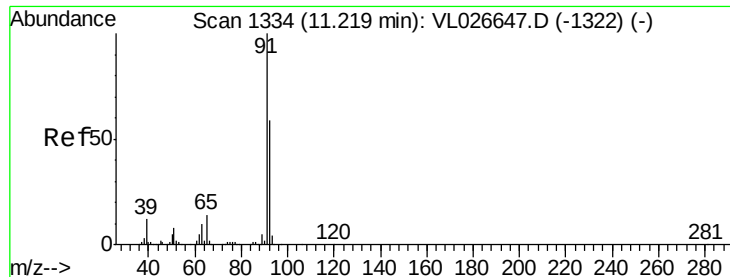
MMdadoda
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#52
Tetrachloroethene
Concen: 0.41 ppbv
RT: 12.77 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	102.5	153.7
129	104.6	87.0	130.6
131	82.3	82.5	123.7#





#53

Toluene

Concen: 0.31 ppbv

RT: 11.21 min Scan# 1332

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 91 Resp: 94009

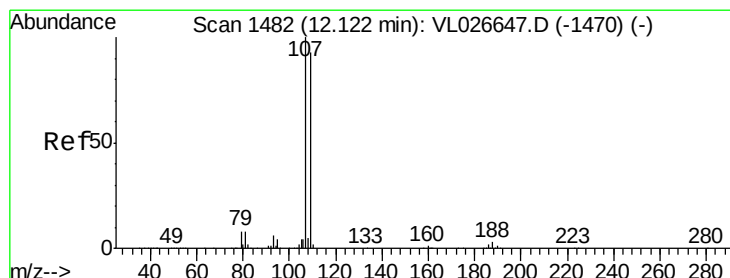
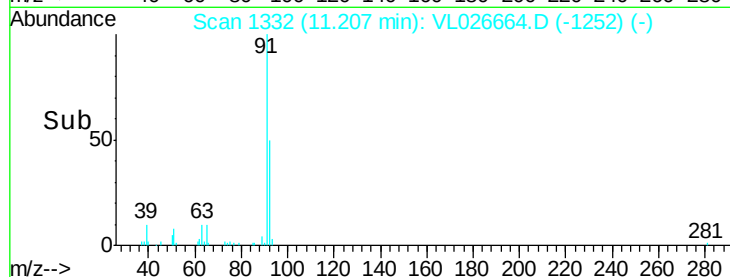
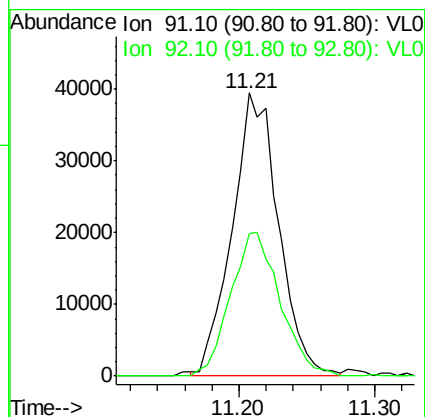
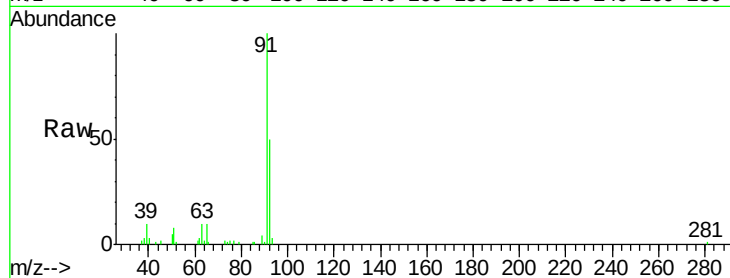
Ion Ratio Lower Upper

91 100

92 54.3 48.2 72.4

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#54

1,2-Dibromoethane

Concen: 0.43 ppbv

RT: 12.12 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL026664.D

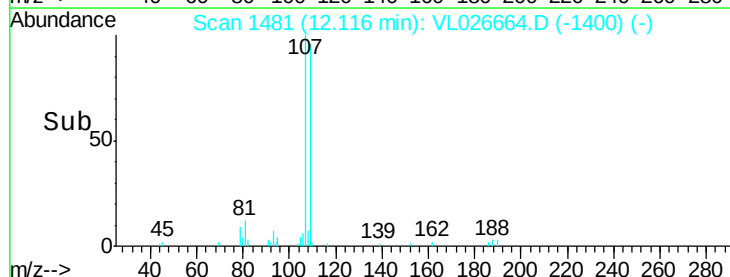
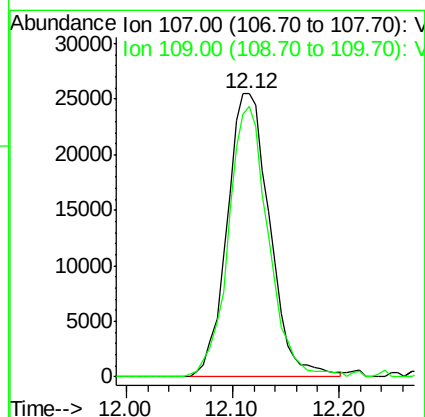
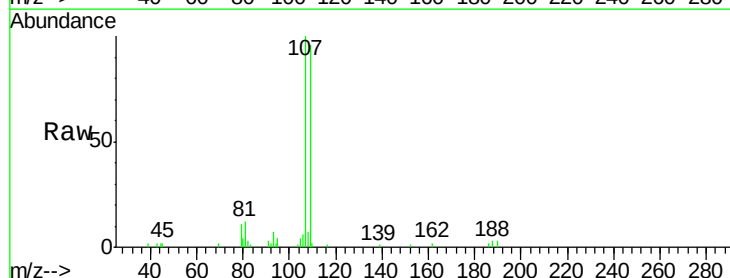
Acq: 9 Jan 2016 7:03

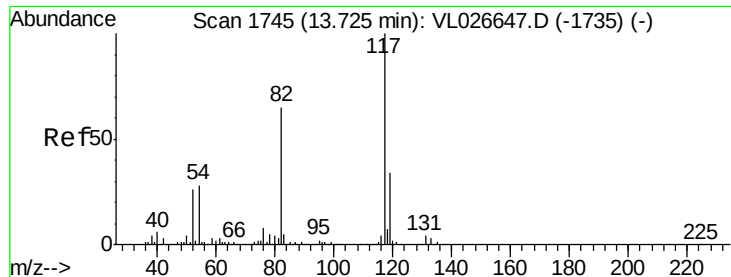
Tgt Ion: 107 Resp: 71369

Ion Ratio Lower Upper

107 100

109 94.3 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: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-6

Tot Ion:117 Resp: 2839007

Ion Ratio Lower Upper

117 100

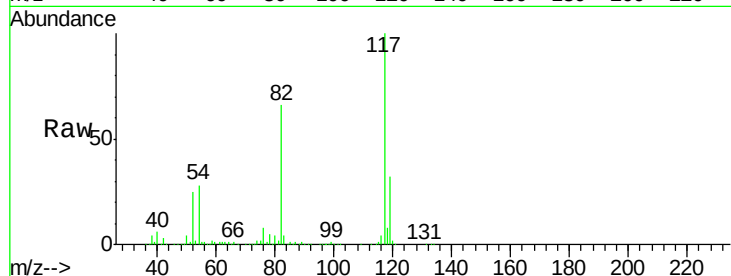
82 64.7 49.7 74.5

119 32.8 43.8 65.8#

Manual Integrations
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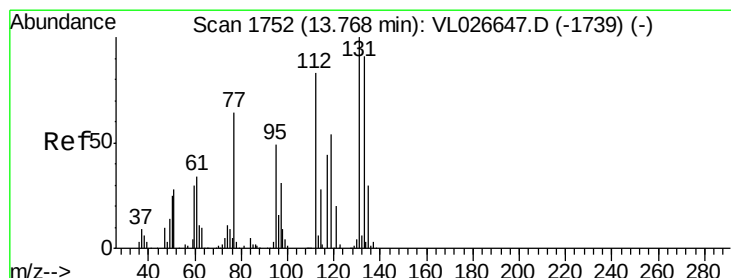
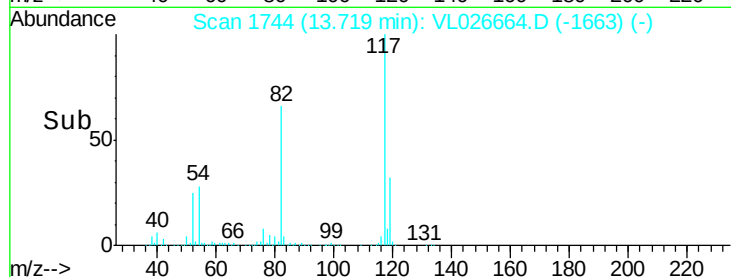
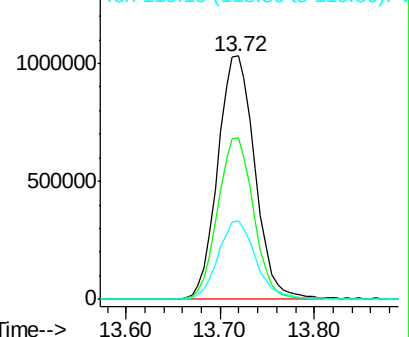
1/14/2016 10:51:21 AM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.44 ppbv

RT: 13.76 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

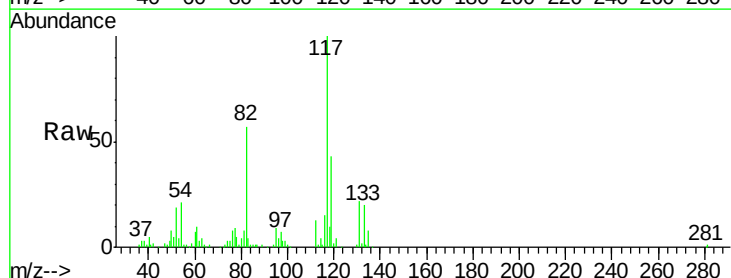
Tgt Ion:131 Resp: 57670

Ion Ratio Lower Upper

131 100

133 100.0 76.2 114.4

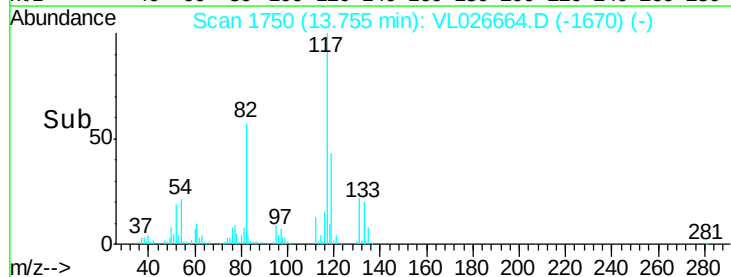
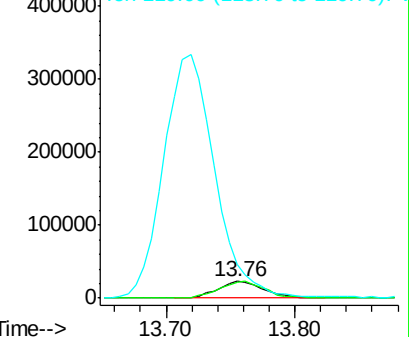
119 1612.5 104.3 156.5#

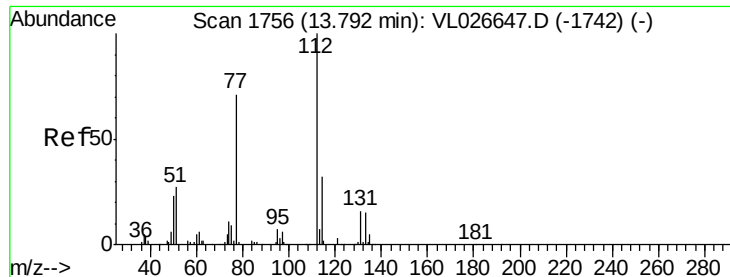


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.45 ppbv

RT: 13.79 min Scan# 1756

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

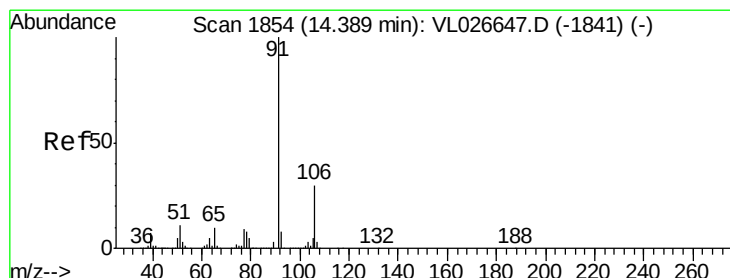
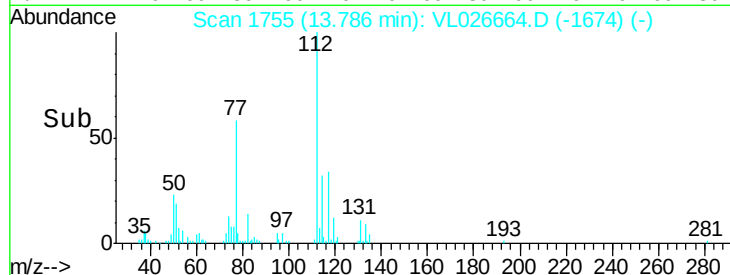
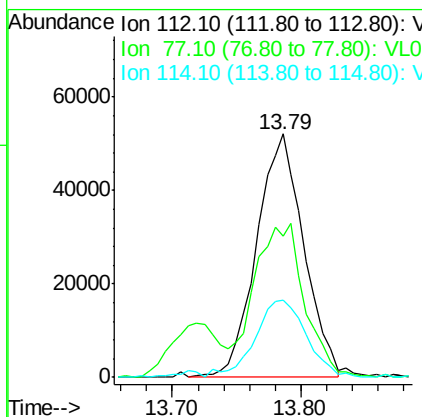
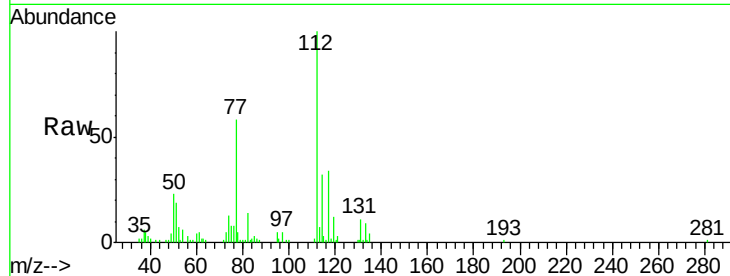
ClientSampleId :

MDL-AIR-6

Tot Ion:	112	Resp:	132241
Ion Ratio	Lower	Upper	
112	100		
77	56.5	56.9	85.3#
114	30.6	28.8	35.2

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#58

Ethyl Benzene

Concen: 0.32 ppbv

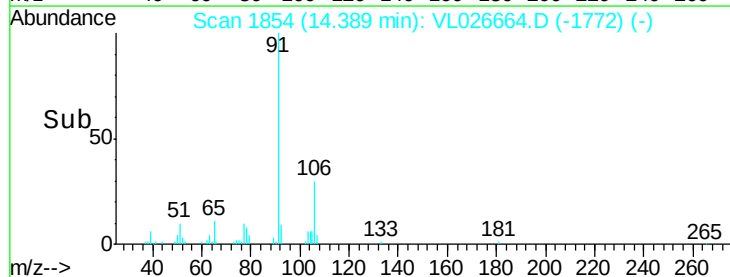
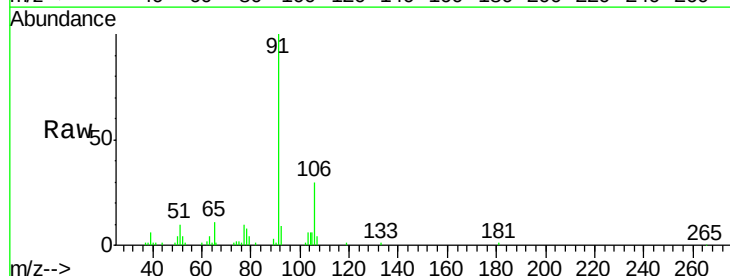
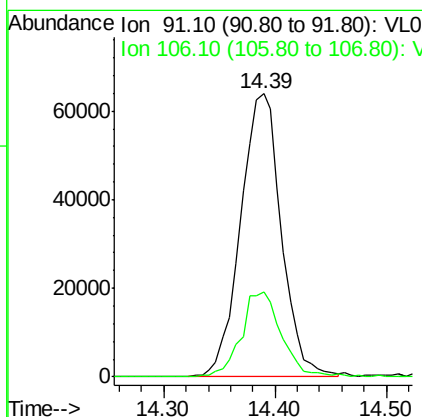
RT: 14.39 min Scan# 1854

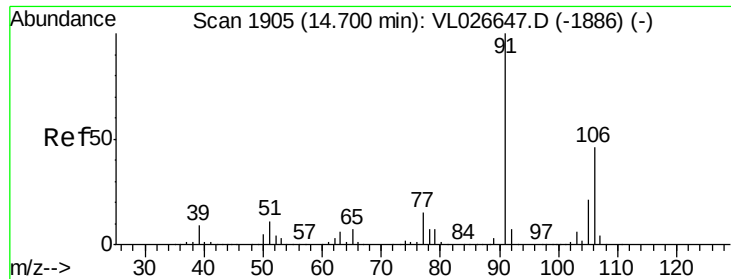
Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion:	91	Resp:	162577
Ion Ratio	Lower	Upper	
91	100		
106	29.9	23.8	35.6





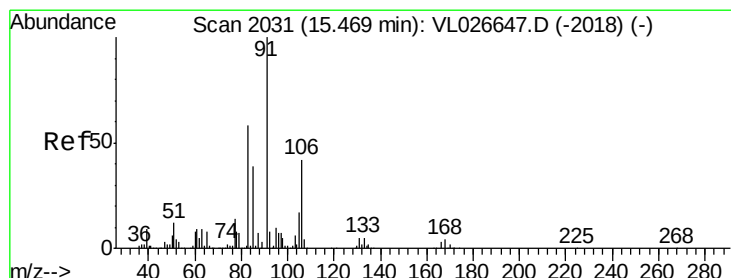
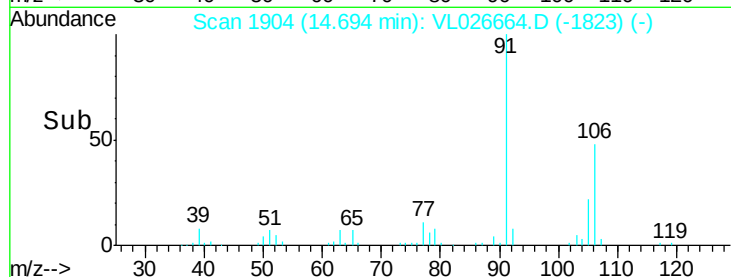
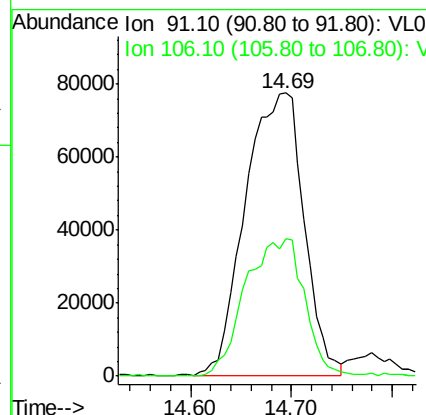
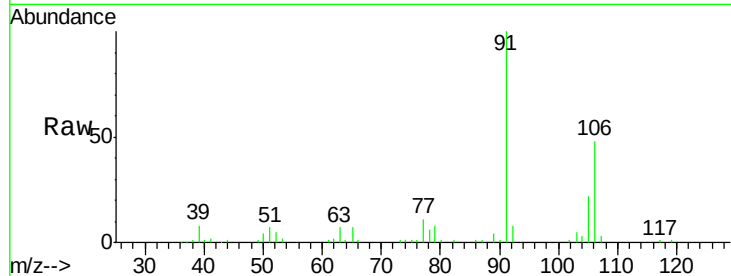
#59
m/p-Xylene
Concen: 0.75 ppbv m
RT: 14.69 min Scan# 1904
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Instrument :
MSVOA_L
ClientSampled :
MDL-AIR-6

Tot Ion: 91 Resp: 313439
Ion Ratio Lower Upper
91 100
106 49.1 36.6 55.0

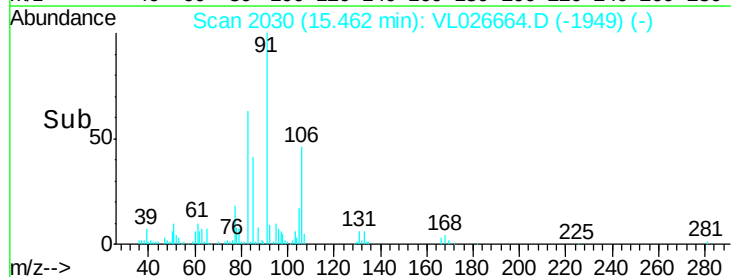
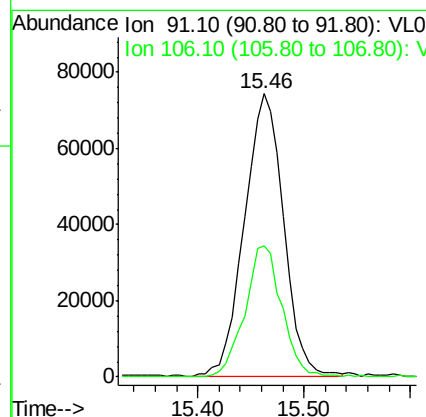
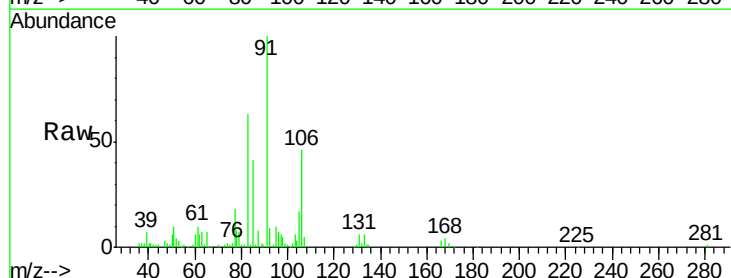
Manual Integrations
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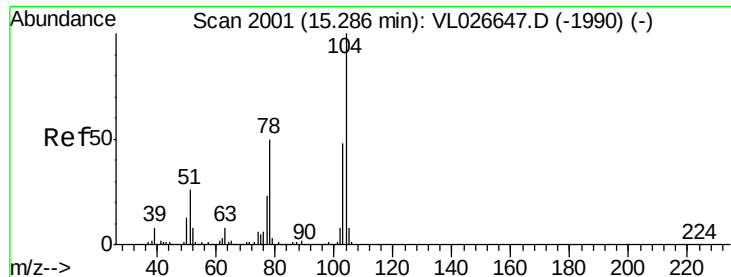
MMdadoda
1/14/2016 10:51:21 AM



#60
o-Xylene
Concen: 0.43 ppbv
RT: 15.46 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL026664.D
Acq: 9 Jan 2016 7:03

Tgt Ion: 91 Resp: 192609
Ion Ratio Lower Upper
91 100
106 43.6 21.5 64.5





#61

Stvrene

Concen: 0.30 ppbv

RT: 15.30 min Scan# 2003

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

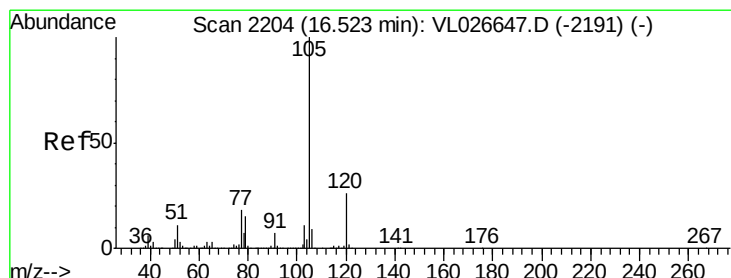
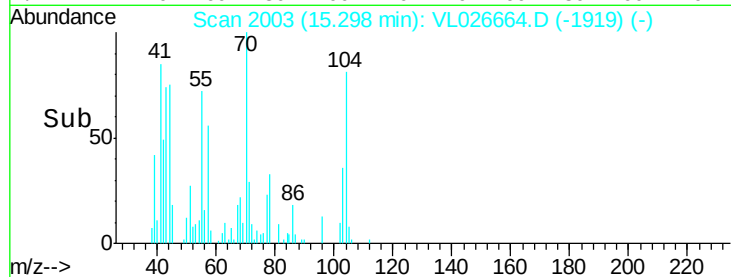
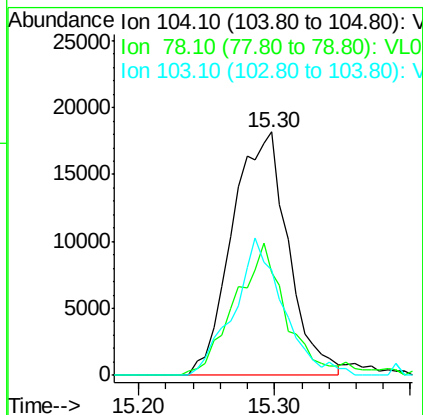
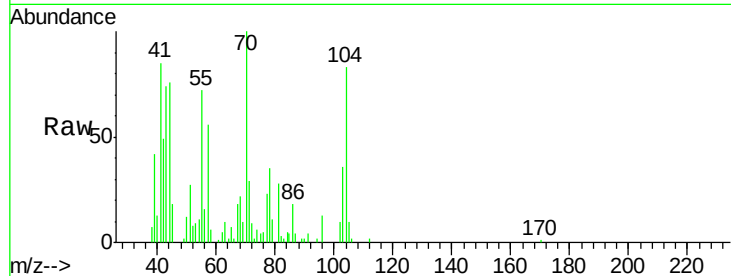
ClientSampleId :

MDL-AIR-6

Tot Ion:	104	Resp:	52288
Ion Ratio	Lower	Upper	
104	100		
78	51.5	39.6	59.4
103	49.3	37.8	56.6

Manual Integrations
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#62

Isopropylbenzene

Concen: 0.40 ppbv

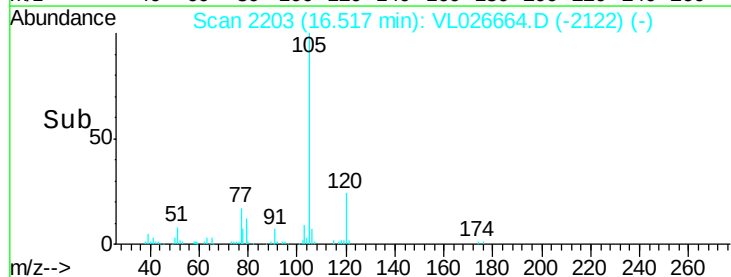
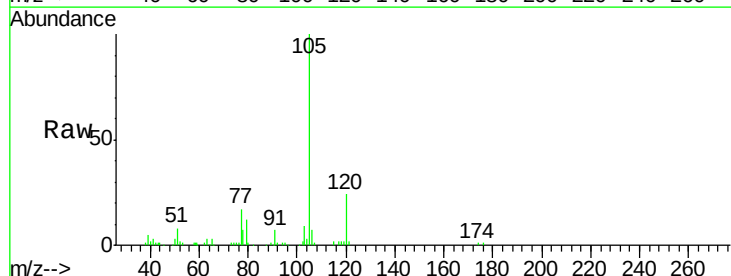
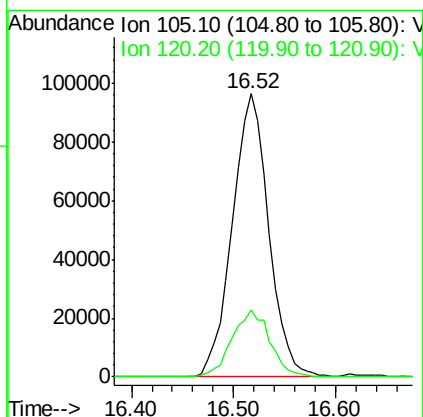
RT: 16.52 min Scan# 2203

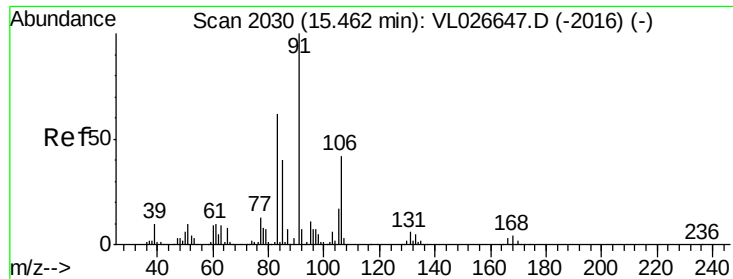
Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion:	105	Resp:	238747
Ion Ratio	Lower	Upper	
105	100		
120	24.6	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.45 ppbv

RT: 15.45 min Scan# 2028

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

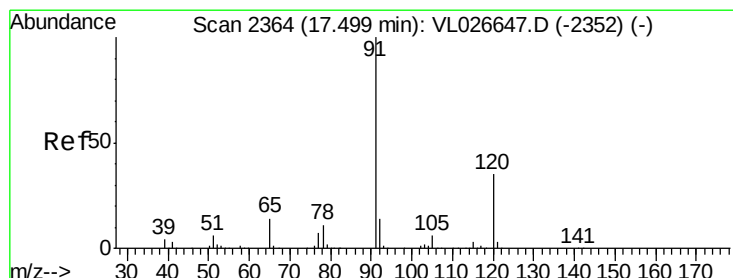
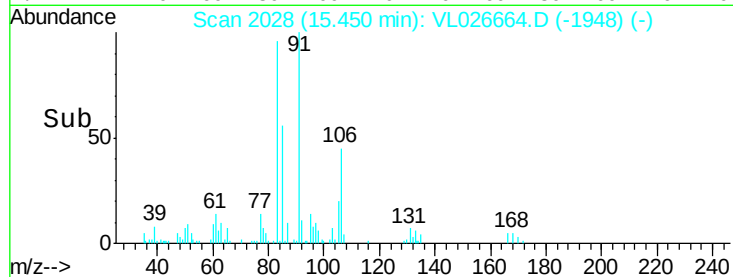
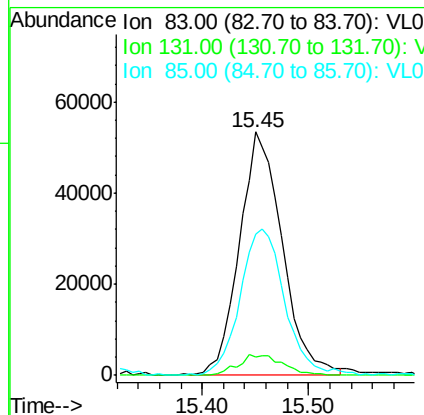
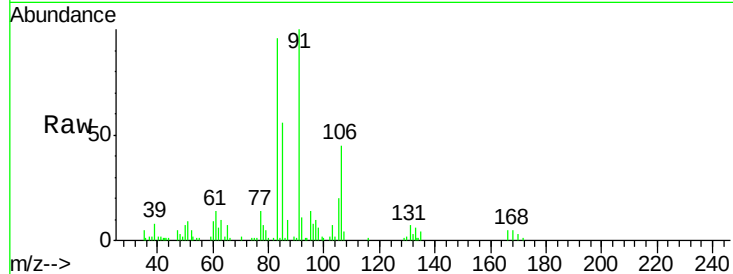
ClientSampleId :

MDL-AIR-6

Tot Ion:	83	Resp:	150938
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.4
85	62.9	32.6	97.7

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#64

n-propylbenzene

Concen: 0.41 ppbv

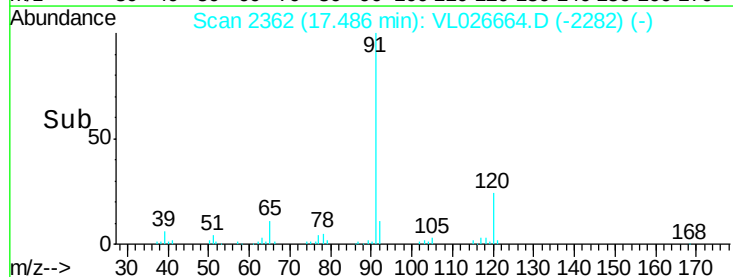
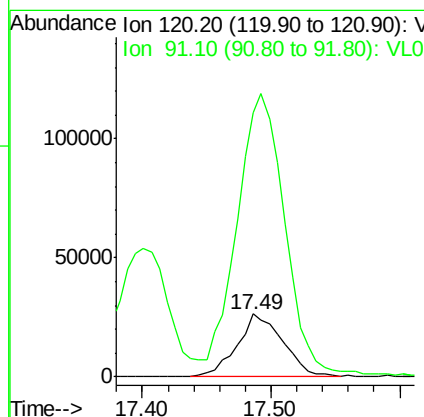
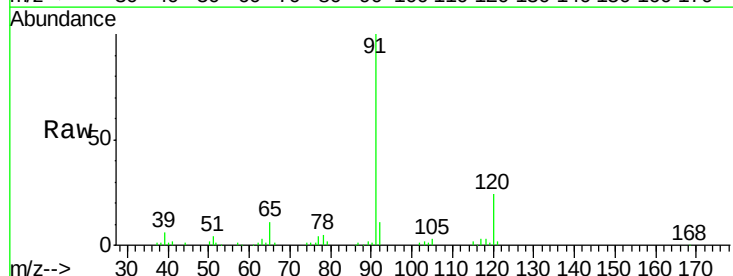
RT: 17.49 min Scan# 2362

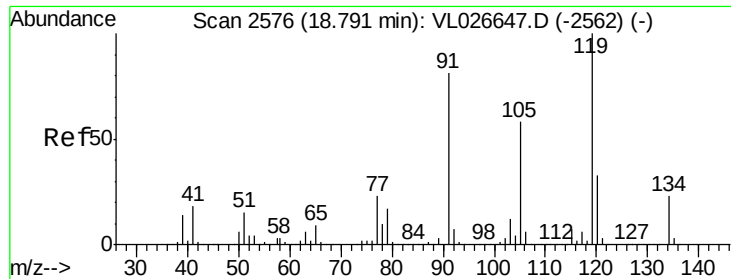
Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion:	120	Resp:	65259
Ion Ratio	Lower	Upper	
120	100		
91	475.3	375.8	563.6





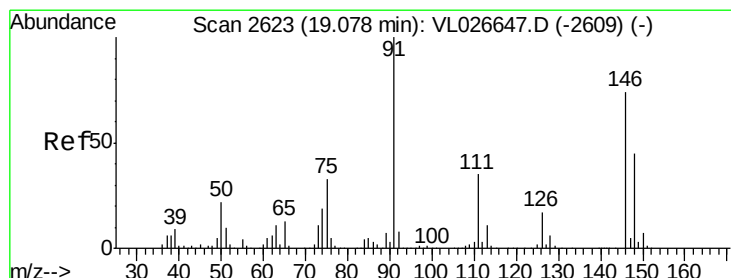
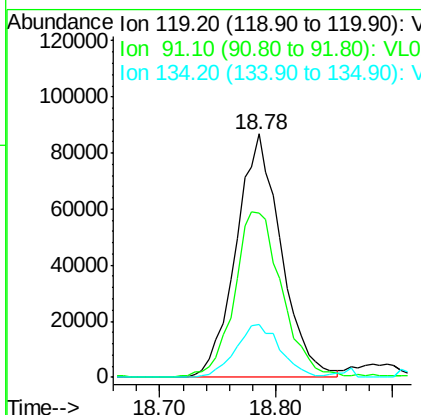
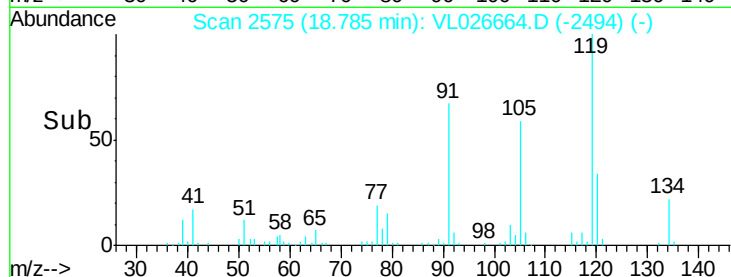
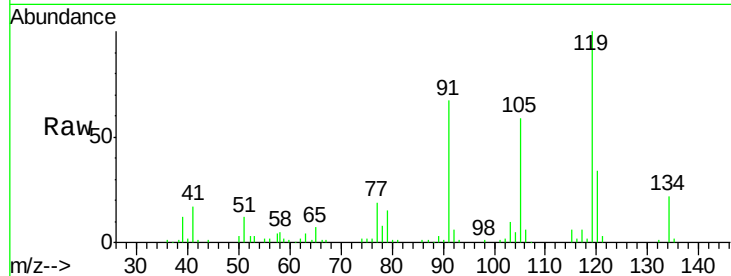
#65
 tert-Butylbenzene
 Concen: 0.43 ppbv
 RT: 18.78 min Scan# 2575
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234078		
91	72.6	64.8	97.2	
134	22.8	17.4	26.0	

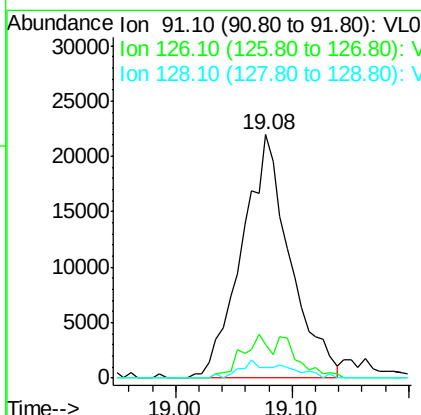
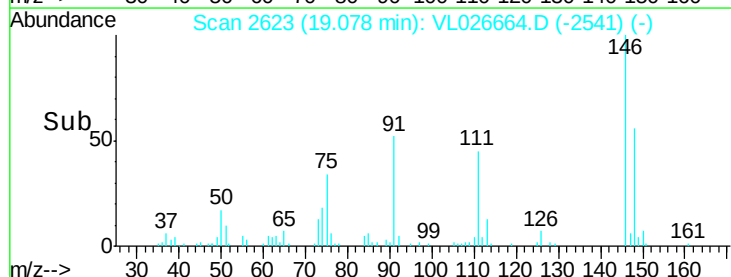
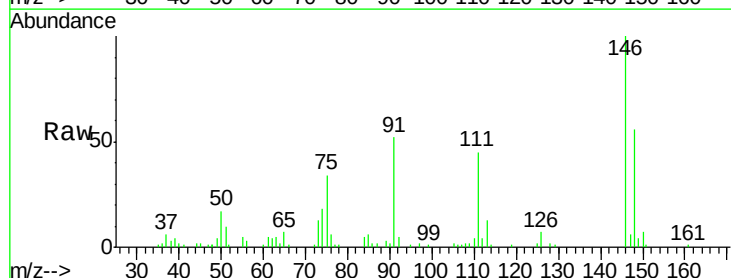
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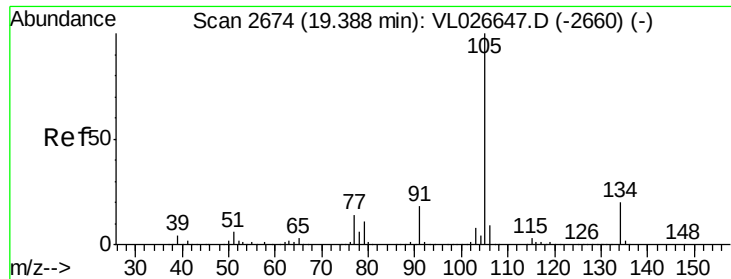
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#66
 Benzyl Chloride
 Concen: 0.32 ppbv
 RT: 19.08 min Scan# 2623
 Delta R.T. 0.00 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	62934		
126	18.2	14.2	21.2	
128	6.9	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: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion: 105 Resp: 327637

Ion Ratio Lower Upper

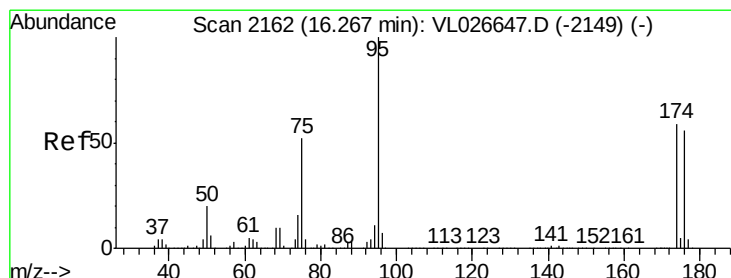
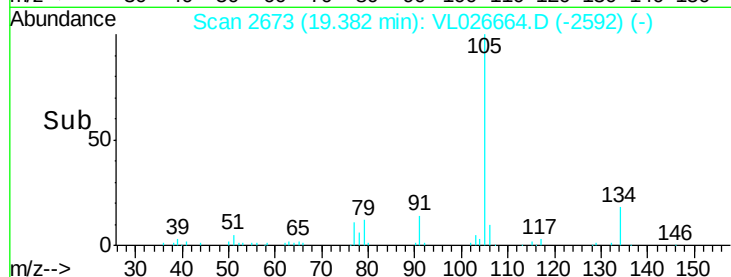
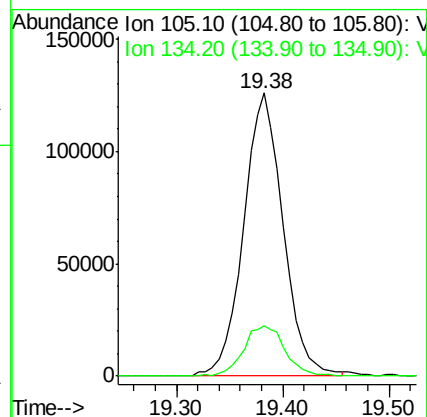
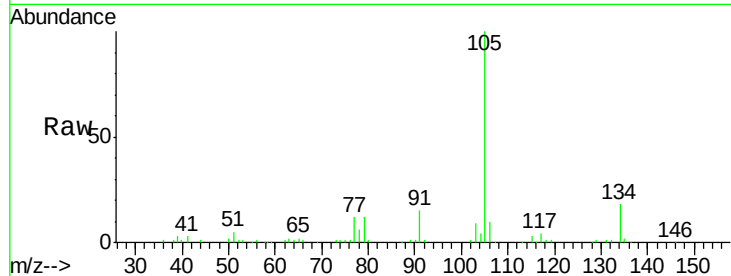
105 100

134 18.6 14.9 22.3

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.32 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

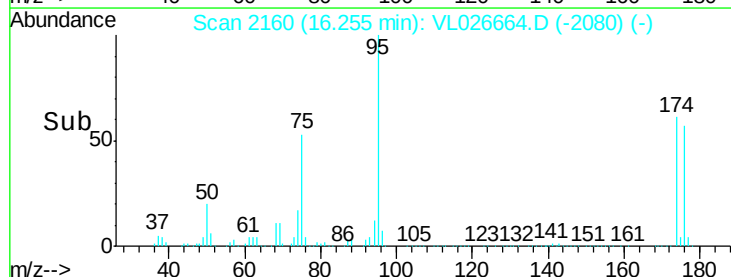
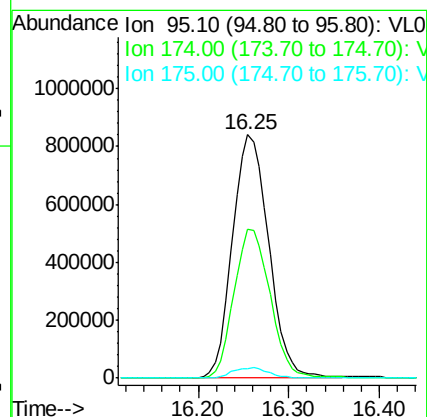
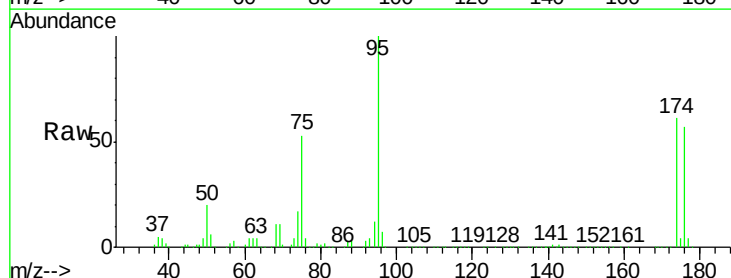
Tgt Ion: 95 Resp: 2335673

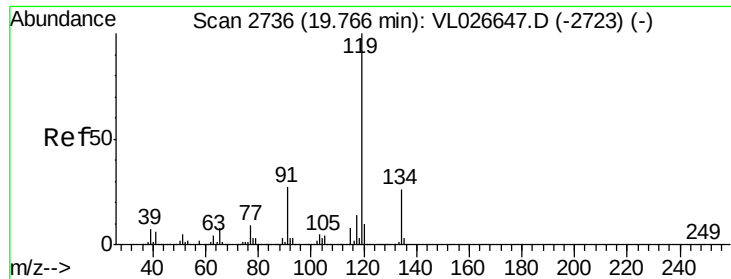
Ion Ratio Lower Upper

95 100

174 61.8 47.8 71.8

175 4.3 3.6 5.4





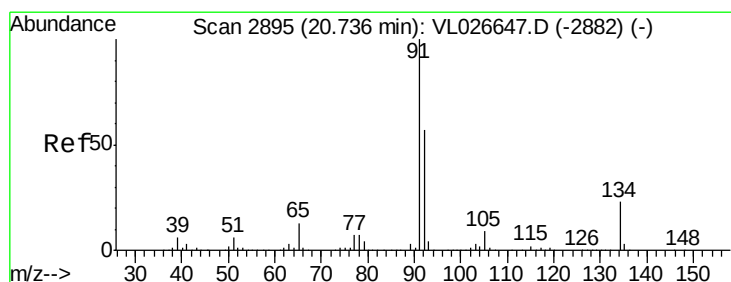
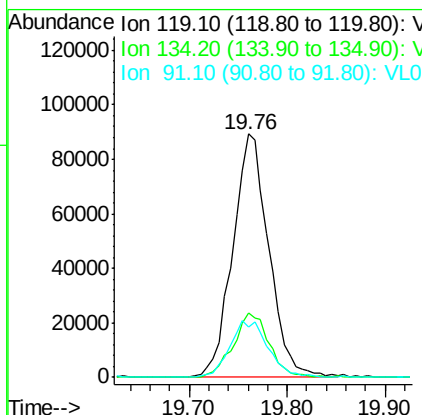
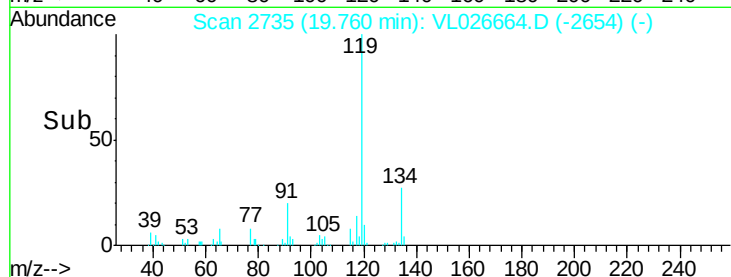
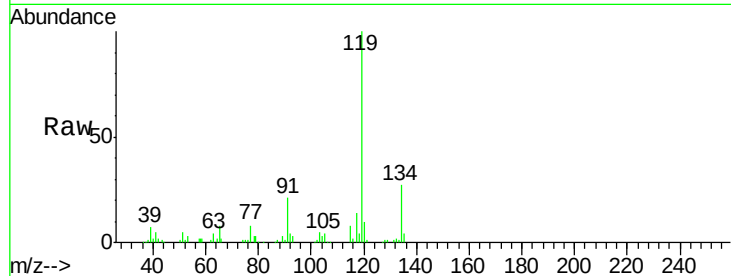
#69
 p-Isopropyltoluene
 Concen: 0.37 ppbv
 RT: 19.76 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ratio	Resp	Lower	Upper
119	100	228670		
134	26.5		20.6	31.0
91	24.9		21.7	32.5

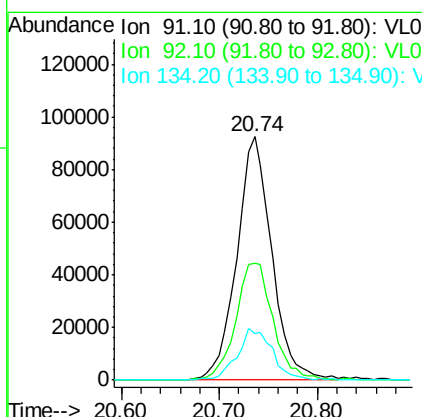
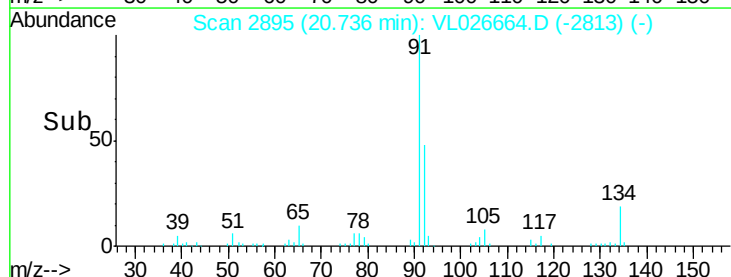
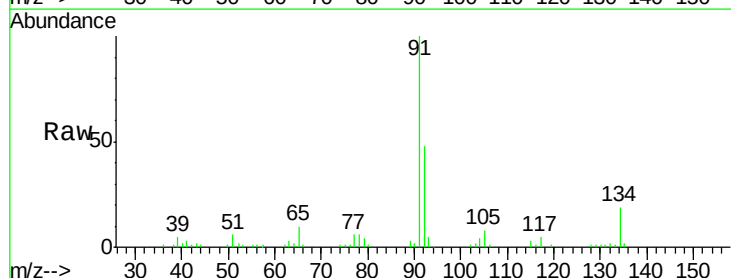
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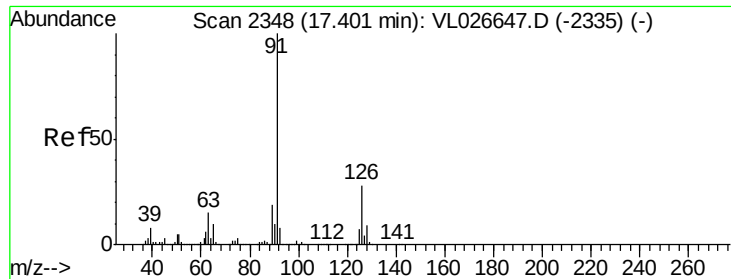
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#70
 n-Butylbenzene
 Concen: 0.36 ppbv
 RT: 20.74 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	229748		
92	51.4		45.0	67.4
134	21.2		18.2	27.2





#71

2-Chlorotoluene

Concen: 0.32 ppbv

RT: 17.40 min Scan# 2348

Delta R.T. 0.00 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampled :

MDL-AIR-6

Tot Ion: 91 Resp: 149838

Ion Ratio Lower Upper

91 100

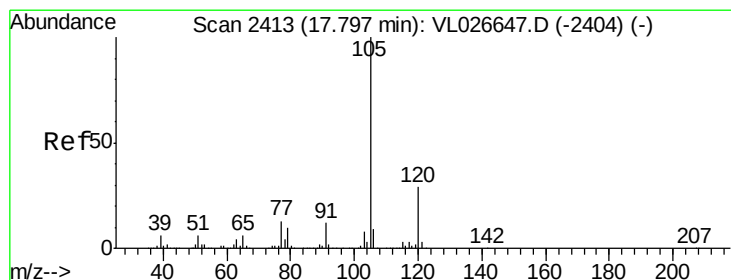
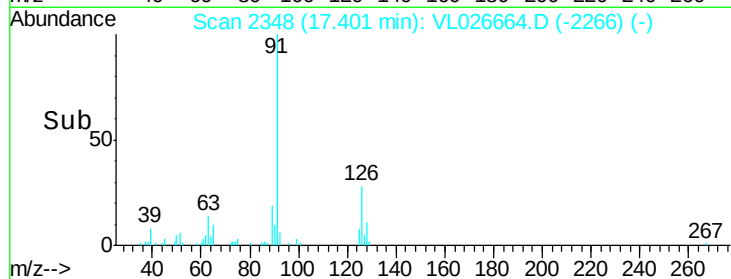
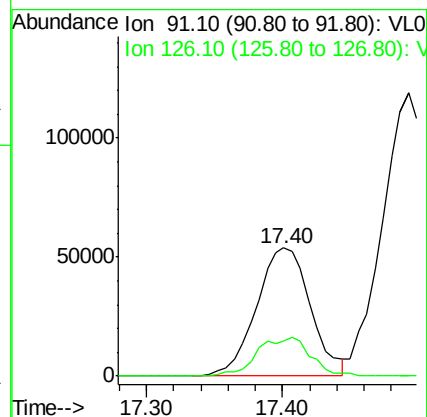
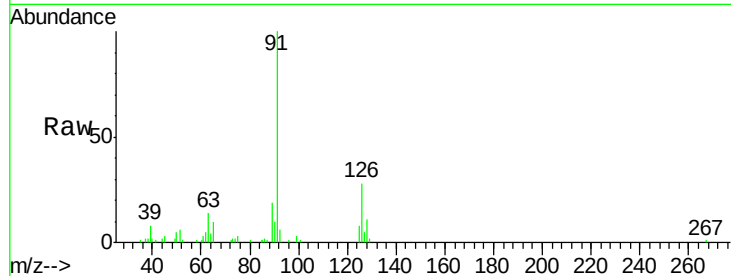
126 30.4 11.4 45.8

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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: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion: 105 Resp: 172937

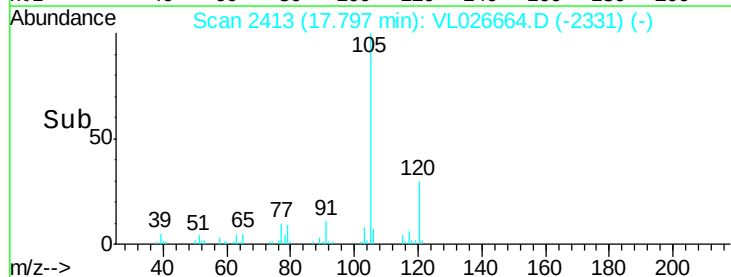
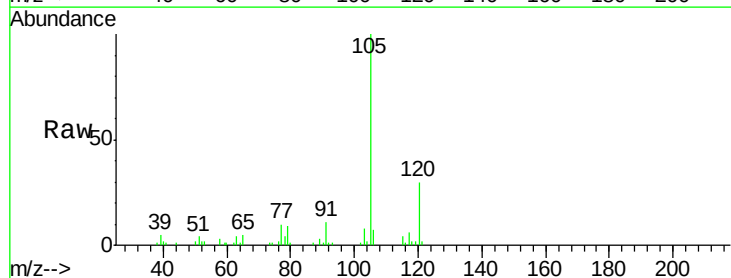
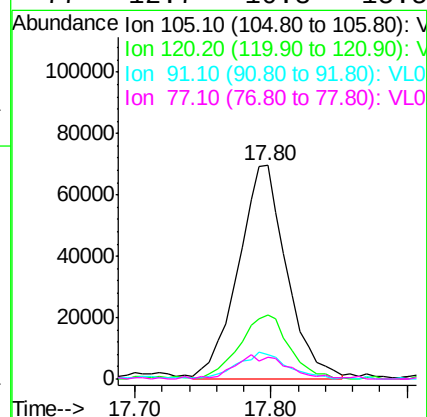
Ion Ratio Lower Upper

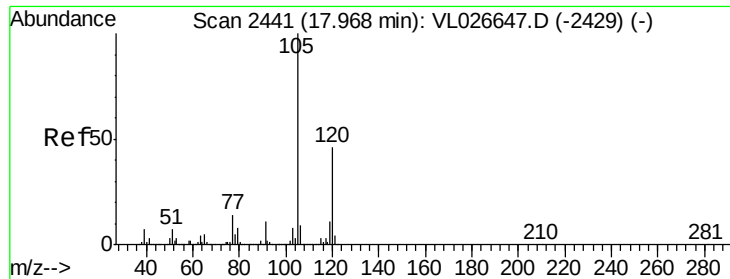
105 100

120 32.0 23.7 35.5

91 14.1 9.7 14.5

77 12.7 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 0.38 ppbv

RT: 17.96 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-6

Tot Ion:105 Resp: 183831

Ion Ratio Lower Upper

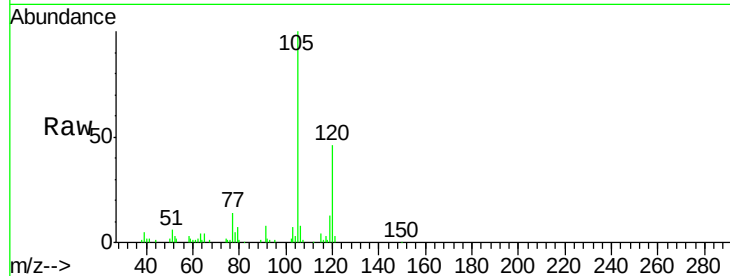
105 100

120 46.2 36.6 54.8

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

17.96

80000

60000

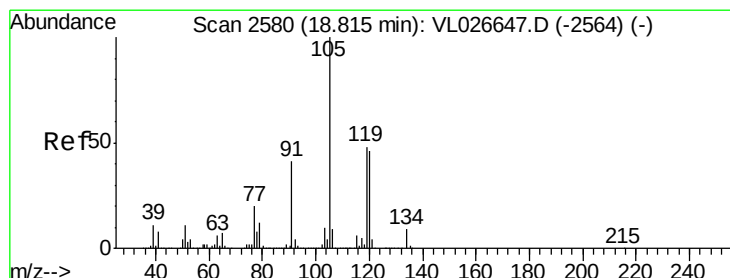
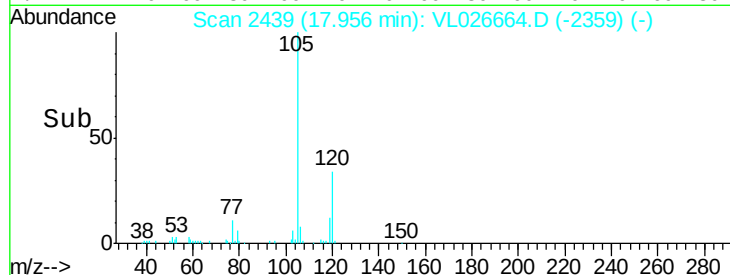
40000

20000

0

17.90 18.00 18.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.44 ppbv

RT: 18.80 min Scan# 2578

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion:105 Resp: 222120

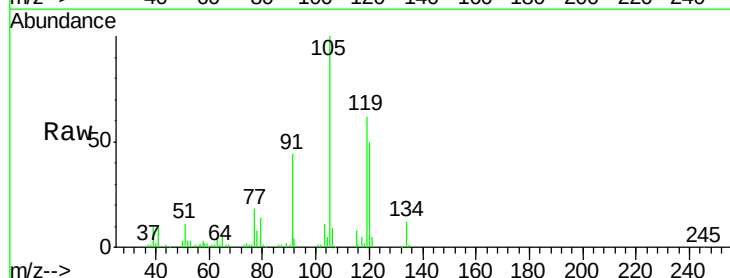
Ion Ratio Lower Upper

105 100

120 48.9 36.6 55.0

91 42.9 32.5 48.7

77 17.6 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

18.80

120000

100000

80000

60000

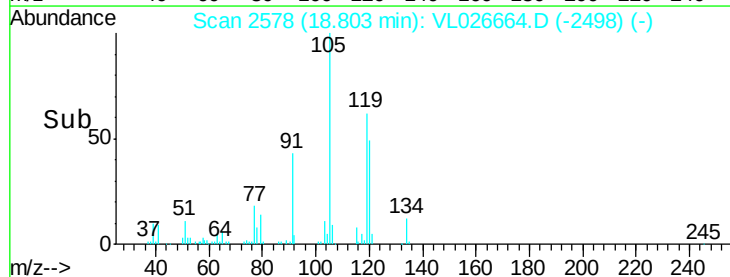
40000

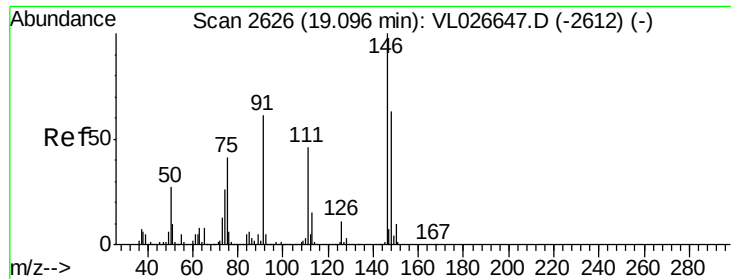
20000

0

18.70 18.80

Time-->





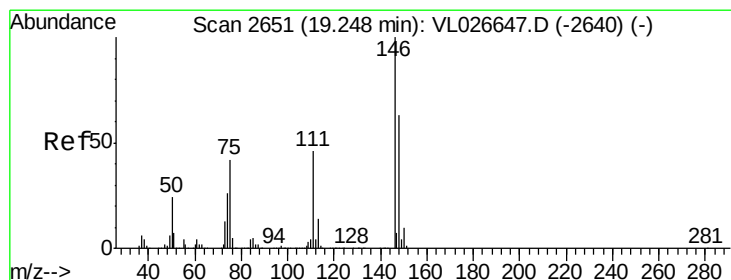
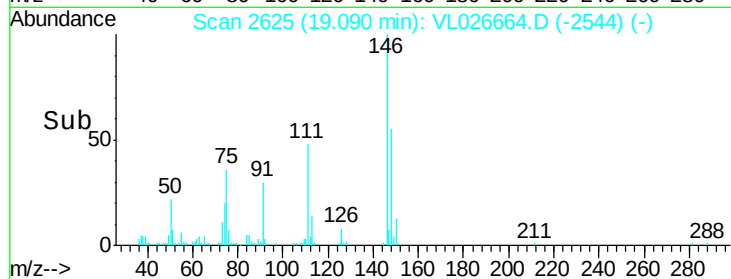
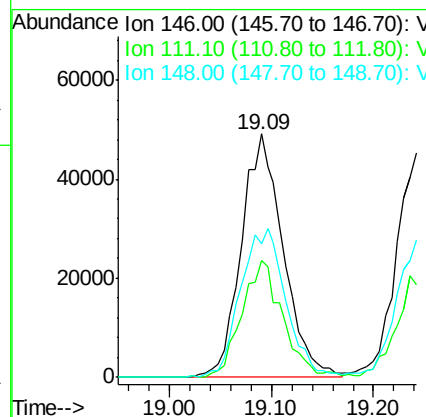
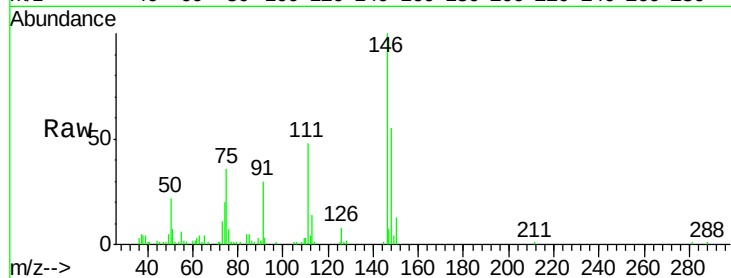
#75
 1,3-Dichlorobenzene
 Concen: 0.44 ppbv
 RT: 19.09 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	22.9	68.5
148	66.6	31.6	95.0

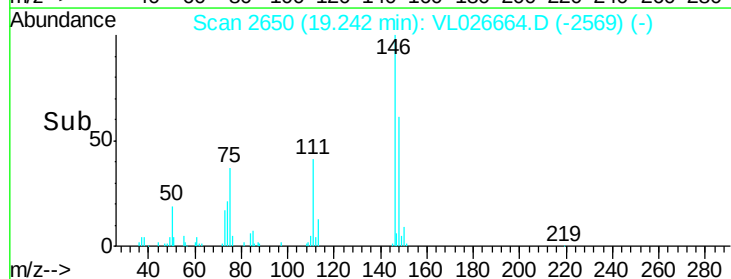
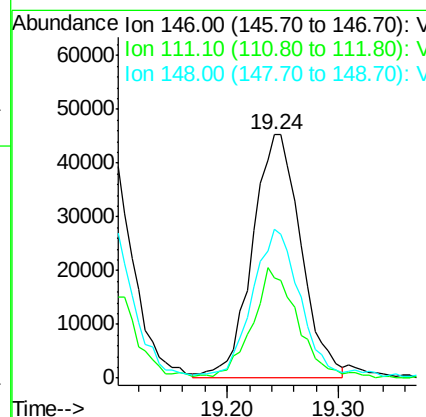
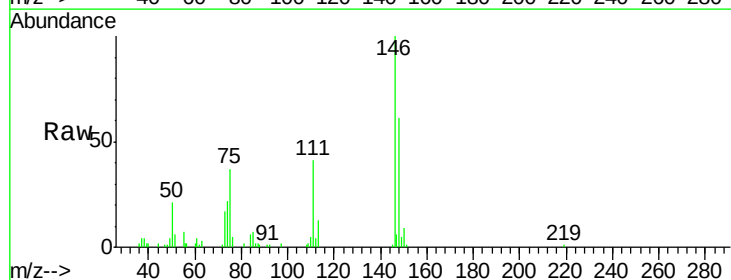
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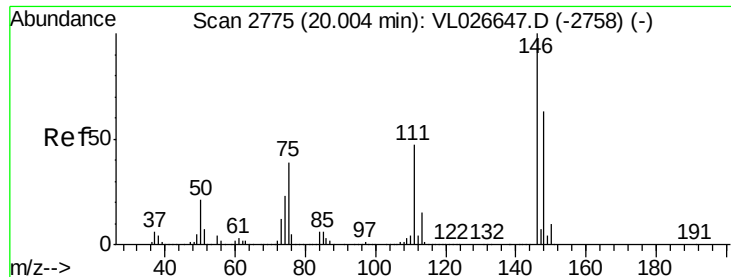
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#76
 1,4-Dichlorobenzene
 Concen: 0.43 ppbv
 RT: 19.24 min Scan# 2650
 Delta R.T. -0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.3	66.8
148	62.1	31.9	95.9





#77

1,2-Dichlorobenzene

Concen: 0.43 ppbv

RT: 20.00 min Scan# 2774

Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

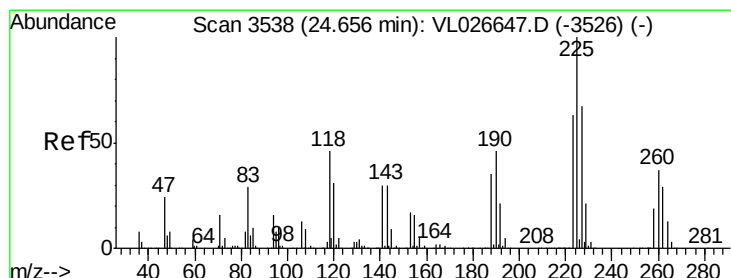
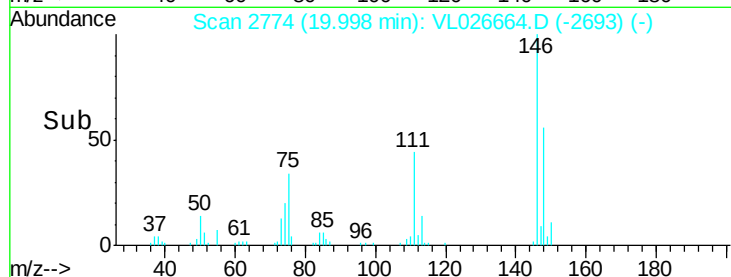
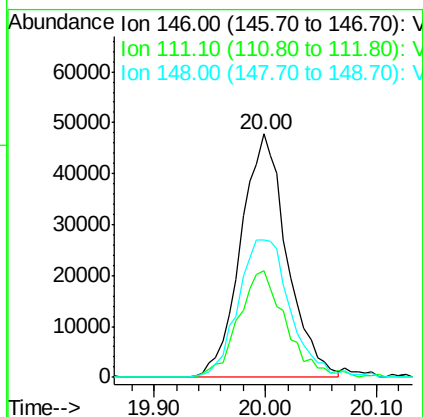
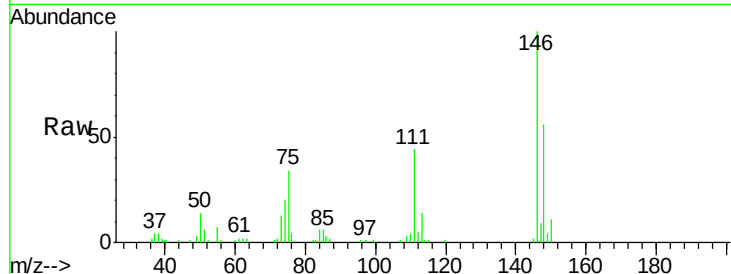
ClientSampleId :

MDL-AIR-6

Tot Ion:	146	Resp:	138073
Ion Ratio	Lower	Upper	
146	100		
111	45.5	23.7	71.1
148	64.2	31.1	93.5

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#78

Hexachloro-1,3-Butadiene

Concen: 0.41 ppbv

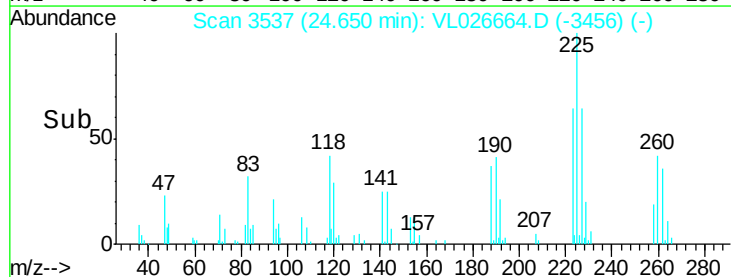
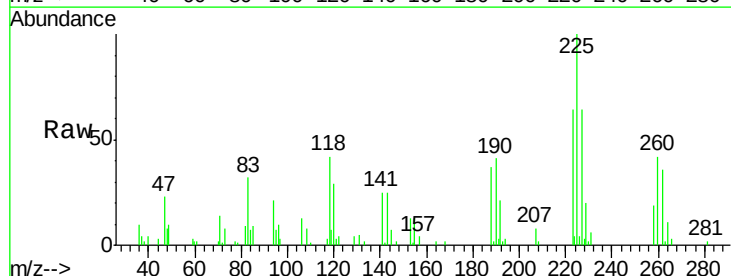
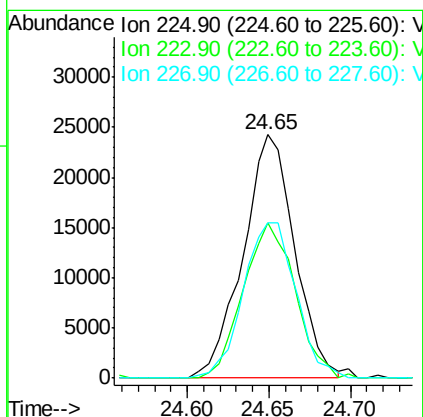
RT: 24.65 min Scan# 3537

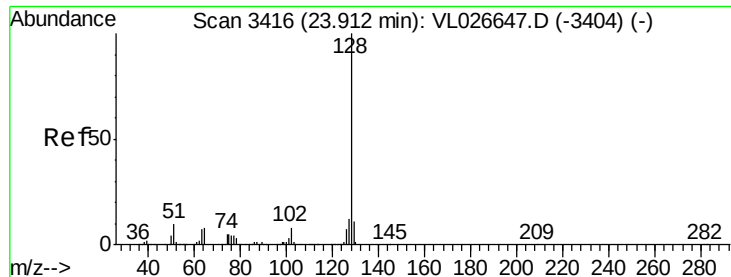
Delta R.T. -0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion:	225	Resp:	53254
Ion Ratio	Lower	Upper	
225	100		
223	64.1	50.1	75.1
227	65.1	51.1	76.7





#79

Naphthalene

Concen: 0.26 ppbv m

RT: 23.92 min Scan# 3417

Delta R.T. 0.01 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Instrument :

MSVOA_L

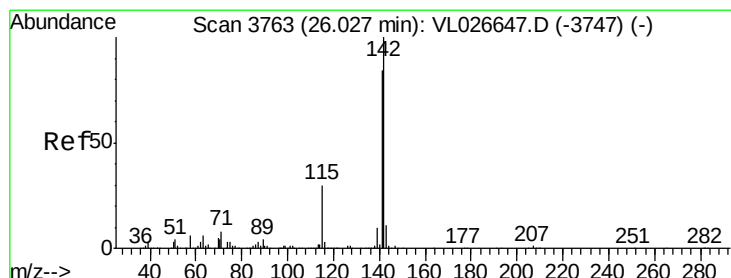
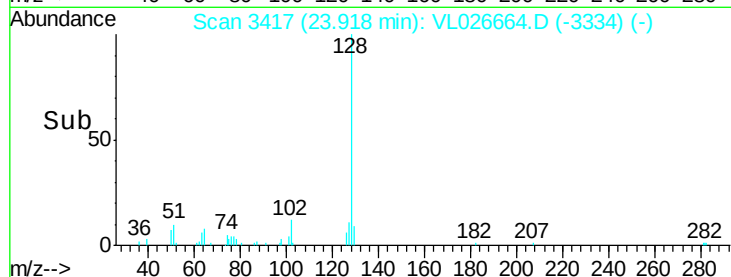
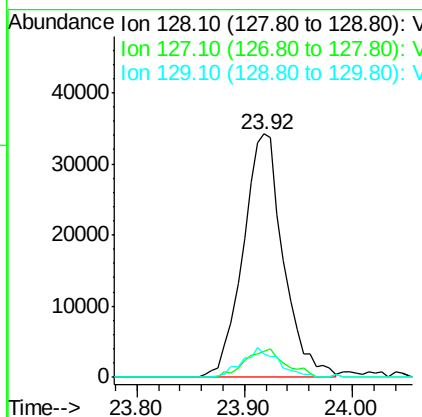
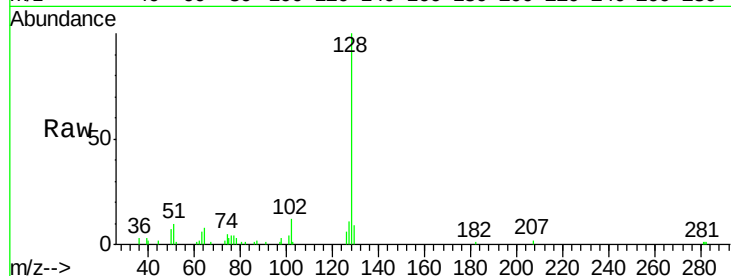
ClientSampleId :

MDL-AIR-6

Tot Ion:	128	Resp:	89310
Ion Ratio		Lower	Upper
128	100		
127	10.7	9.8	14.8
129	9.4	8.9	13.3

Manual Integrations
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#80

Naphthalene, 2-methyl-

Concen: 0.32 ppbv

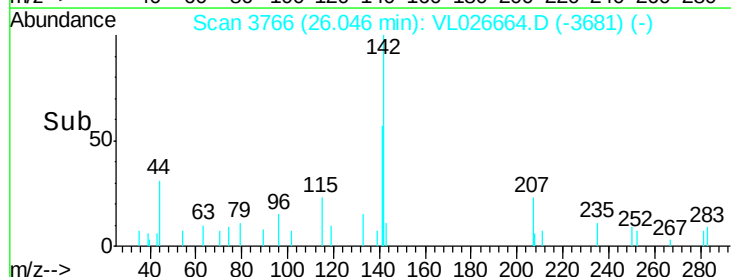
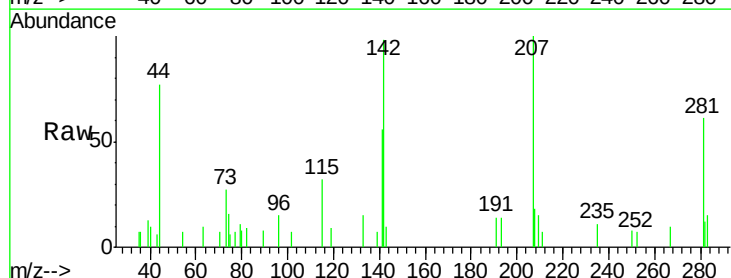
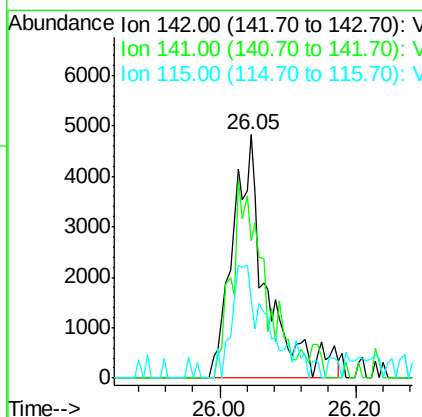
RT: 26.05 min Scan# 3766

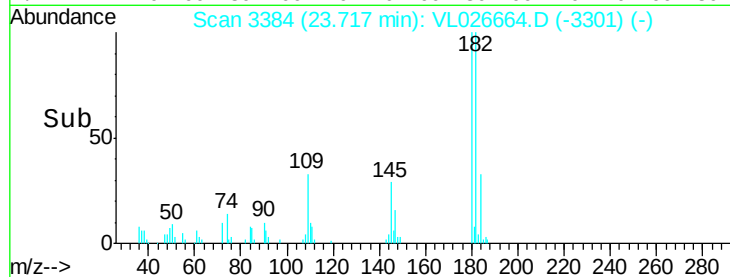
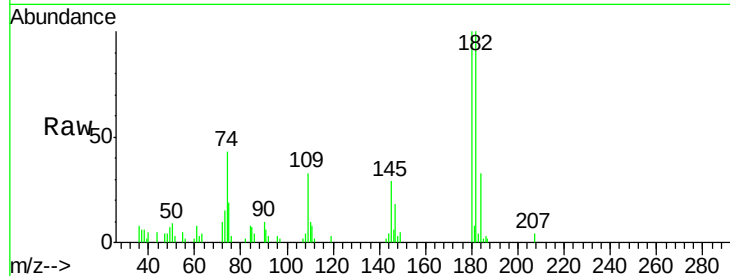
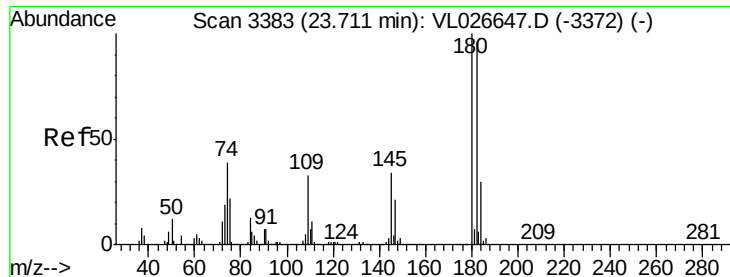
Delta R.T. 0.02 min

Lab File: VL026664.D

Acq: 9 Jan 2016 7:03

Tgt Ion:	142	Resp:	16785
Ion Ratio		Lower	Upper
142	100		
141	82.1	67.0	100.6
115	50.1	24.7	37.1#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.32 ppbv
 RT: 23.72 min Scan# 3384
 Delta R.T. 0.01 min
 Lab File: VL026664.D
 Acq: 9 Jan 2016 7:03

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.8	75.4	113.0
184	28.2	24.1	36.1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-6

Manual Integrations
 APPROVED

MMdadoda
 1/14/2016 10:51:21 AM

