

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025607.D
 Acq On : 7 Jul 2015 12:32
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

sam
 7/8/2015 11:04:30 AM

Quant Time: Jul 07 13:21:10 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 07 2015
 QLast Update : Tue Jul 07 13:08:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	650166	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1774587	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2183094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1911587	10.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.64	85	104168	0.69	ppbv	99
3) Chlorodifluoromethane	3.57	51	49858	0.64	ppbv	97
4) Chloromethane	3.75	50	23371	0.58	ppbv	98
5) Vinyl Chloride	3.89	62	23530	0.52	ppbv #	88
6) Bromomethane	4.14	94	20380	0.66	ppbv	95
7) Chloroethane	4.24	64	11052	0.59	ppbv	93
8) Dichlorotetrafluoroethane	3.81	85	81317	0.67	ppbv	97
9) Propene	3.59	41	15330	0.47	ppbv	98
10) Heptane	9.35	43	55705	0.48	ppbv	97
11) Trichlorofluoromethane	4.69	101	120311	0.76	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	5.30	101	71082	0.74	ppbv	97
13) Ethanol	4.35	45	1967m	0.33	ppbv	
14) Bromoethene	4.45	108	21519	0.63	ppbv	95
15) Acetone	4.62	43	65775	0.69	ppbv	93
16) 1,3-Butadiene	3.97	39	23625	0.56	ppbv	94
17) tert-Butyl alcohol	5.17	59	44214	0.54	ppbv	96
18) 1,1-Dichloroethene	5.08	96	25513	0.64	ppbv	99
19) Isopropyl Alcohol	4.79	45	20639	0.47	ppbv #	1
20) Methylene Chloride	5.15	84	27032	0.65	ppbv #	86
21) Allyl Chloride	5.22	41	38532	0.61	ppbv	85
22) trans-1,2-Dichloroethene	5.76	96	25852	0.56	ppbv	96
23) Vinyl Acetate	5.98	43	77241	0.46	ppbv	96
24) 1,1-Dichloroethane	5.90	63	62997	0.58	ppbv	97
25) Ethyl Acetate	6.68	43	86725	0.50	ppbv	99
26) Hexane	6.66	57	39559	0.49	ppbv	94
27) Carbon Disulfide	5.39	76	68214	0.61	ppbv #	81
28) Methyl tert-Butyl Ether	5.97	73	73333	0.49	ppbv	97
29) Chloroform	6.74	83	86425	0.64	ppbv	100
30) Cyclohexane	8.29	84	37745	0.51	ppbv #	33
31) cis-1,2-Dichloroethene	6.51	61	36462	0.47	ppbv	93
32) 1,1,1-Trichloroethane	7.59	97	88828	0.58	ppbv	98
34) 2-Butanone	6.21	43	47480	0.45	ppbv	98
35) Carbon Tetrachloride	8.16	117	93853	0.58	ppbv	95
36) Benzene	8.02	78	79006	0.45	ppbv	95
37) 1,2-Dichloroethane	7.37	62	72939	0.60	ppbv	99
38) Trichloroethene	9.06	130	39092	0.52	ppbv	96
39) 1,2-Dichloropropane	8.82	63	30149	0.46	ppbv	95
40) 1,4-Dioxane	9.21	88	2966m	0.21	ppbv	
41) Tetrahydrofuran	7.16	42	20963	0.37	ppbv	92
42) Bromodichloromethane	9.02	83	84993	0.56	ppbv	96
43) Methyl Methacrylate	9.27	69	25011	0.38	ppbv	97

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Instrument :
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Manual Integrations
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sam
 7/8/2015 11:04:30 AM

Quant Time: Jul 07 13:21:10 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 07 13:21:10 2015
 QLast Update : Tue Jul 07 13:08:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.09	57	129242	0.43	ppbv	92
45) t-1,3-Dichloropropene	10.65	75	39258	0.39	ppbv	90
46) cis-1,3-Dichloropropene	10.01	75	44593	0.38	ppbv #	89
47) 1,1,2-Trichloroethane	10.88	97	42153	0.52	ppbv	95
48) Dibromochloromethane	11.79	129	72172	0.55	ppbv	100
49) Bromoform	14.80	173	57025	0.54	ppbv	98
50) 4-Methyl-2-Pentanone	10.11	43	57209	0.40	ppbv	98
51) 2-Hexanone	11.65	43	45083	0.35	ppbv #	93
52) Tetrachloroethene	12.79	164	42863	0.53	ppbv	96
53) Toluene	11.24	91	95880	0.42	ppbv	99
54) 1,2-Dibromoethane	12.14	107	68596	0.55	ppbv	95
56) 1,1,1,2-Tetrachloroethane	13.78	131	62715	0.60	ppbv #	1
57) Chlorobenzene	13.81	112	126728	0.59	ppbv	94
58) Ethyl Benzene	14.41	91	153584	0.44	ppbv	99
59) m/p-Xylene	14.72	91	311297	1.07	ppbv	98
60) o-Xylene	15.49	91	169533	0.55	ppbv	98
61) Styrene	15.31	104	39912	0.34	ppbv	98
62) Isopropylbenzene	16.54	105	218987	0.54	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.48	83	128697	0.59	ppbv	98
64) n-propylbenzene	17.52	120	57177	0.53	ppbv	92
65) tert-Butylbenzene	18.81	119	215237	0.57	ppbv	98
66) Benzyl Chloride	19.10	91	66700	0.52	ppbv	96
67) sec-Butylbenzene	19.41	105	300200	0.56	ppbv	99
69) p-Isopropyltoluene	19.78	119	235080	0.54	ppbv	98
70) n-Butylbenzene	20.76	91	243313	0.58	ppbv	96
71) 2-Chlorotoluene	17.43	91	143371	0.47	ppbv	99
72) 4-Ethyltoluene	17.82	105	167807	0.50	ppbv #	97
73) 1,3,5-Trimethylbenzene	17.99	105	174810	0.54	ppbv	97
74) 1,2,4-Trimethylbenzene	18.83	105	214165	0.61	ppbv	94
75) 1,3-Dichlorobenzene	19.11	146	149460	0.67	ppbv	99
76) 1,4-Dichlorobenzene	19.27	146	143177	0.64	ppbv	97
77) 1,2-Dichlorobenzene	20.02	146	142403	0.64	ppbv	99
78) Hexachloro-1,3-Butadiene	24.67	225	91341	0.80	ppbv	96
79) Naphthalene	23.94	128	189932	0.66	ppbv	96
80) Naphthalene, 2-methyl-	26.05	142	60371	0.82	ppbv	95
81) 1,2,4-Trichlorobenzene	23.74	180	95519	0.71	ppbv	99

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

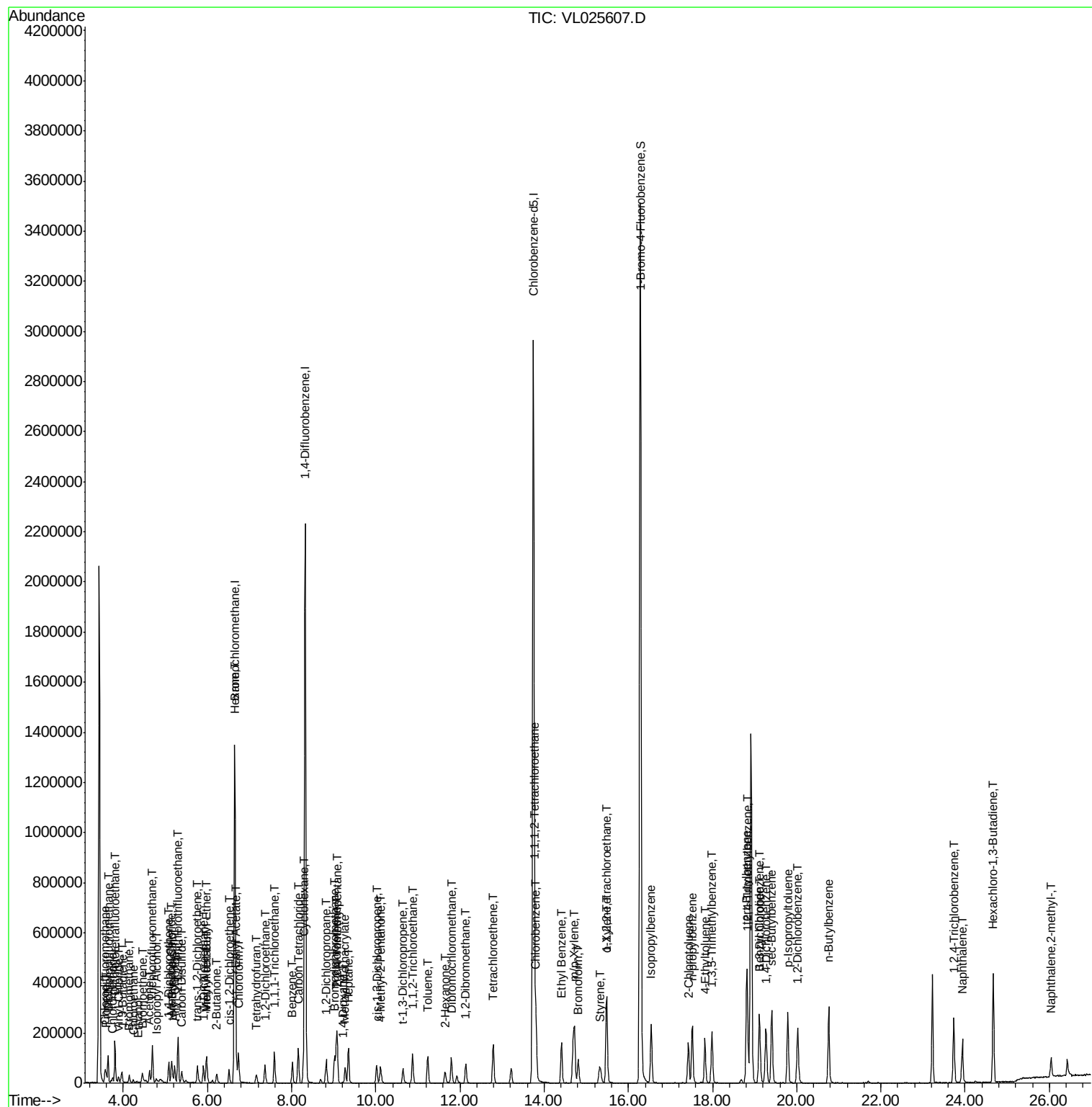
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
Data File : VL025607.D
Acq On : 7 Jul 2015 12:32
Operator : SY/MD
Sample : VSTDIC0.5
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

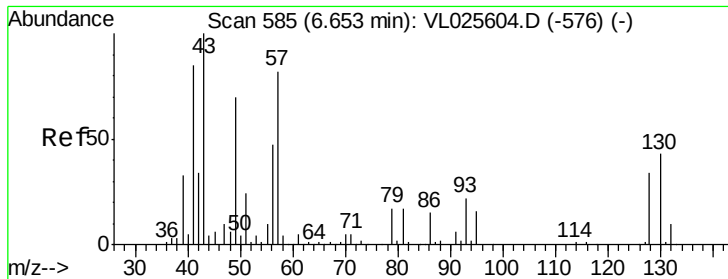
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Manual Integrations
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Quant Time: Jul 07 13:21:10 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul
QLast Update : Tue Jul 07 13:08:42 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 584

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

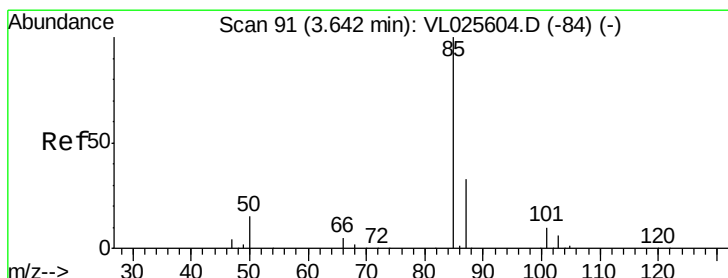
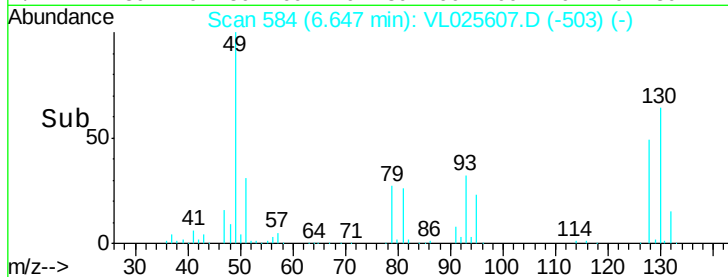
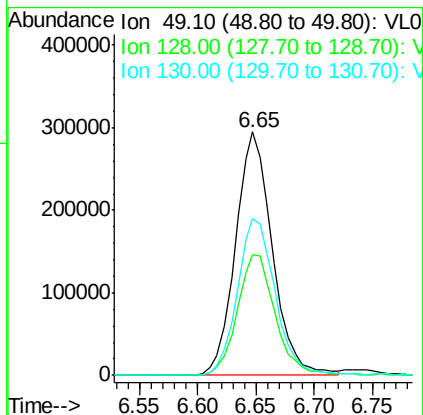
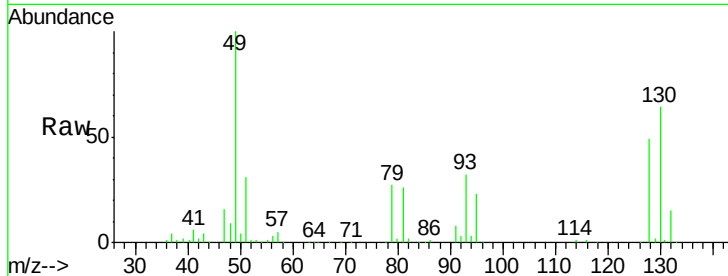
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
49	100		
128	51.4	25.4	76.0
130	67.2	31.9	95.9

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#2

Dichlorodifluoromethane

Concen: 0.69 ppbv

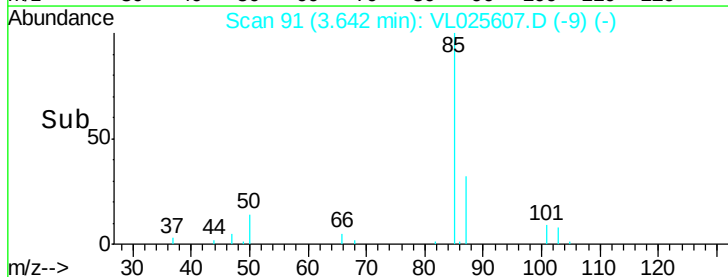
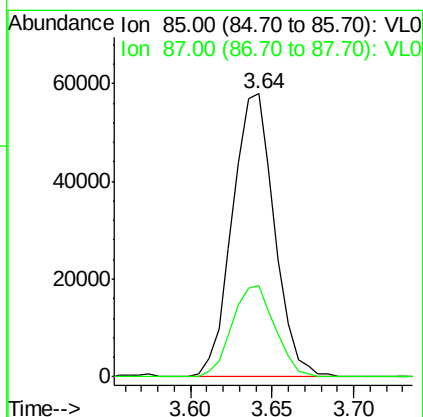
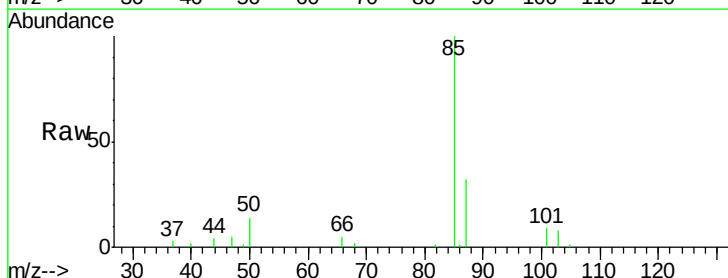
RT: 3.64 min Scan# 91

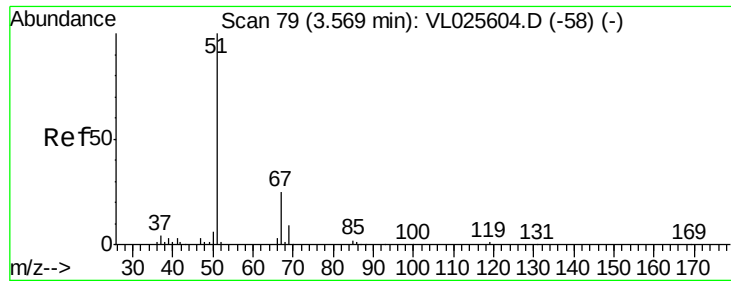
Delta R.T. -0.00 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.5	39.7





#3

Chlorodifluoromethane

Concen: 0.64 ppbv

RT: 3.57 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tot Ion: 51 Resp: 49858

Ion Ratio Lower Upper

51 100

67 25.7 19.5 29.3

Instrument :

MSVOA_L

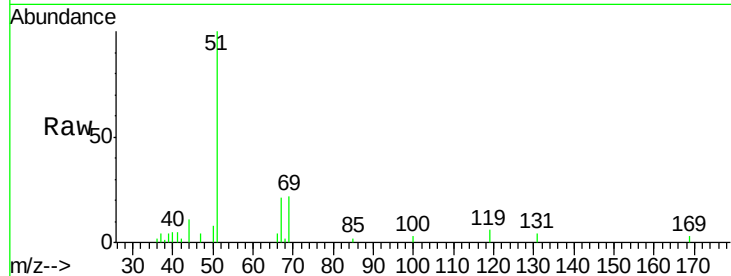
ClientSampleId :

VSTDIC0.5

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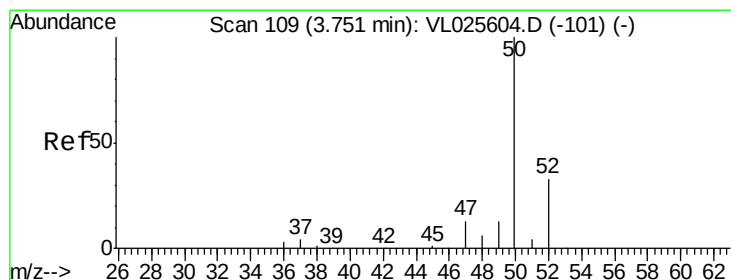
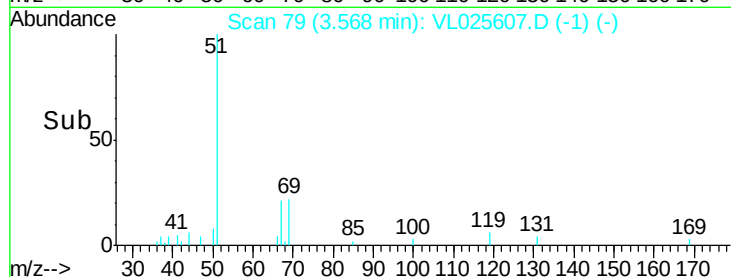
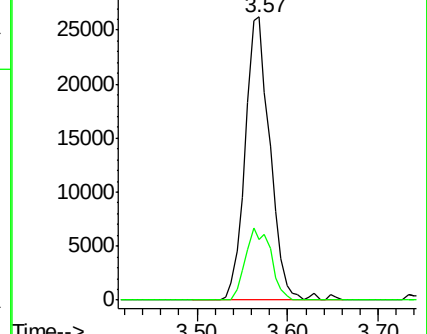
sam

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.58 ppbv

RT: 3.75 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL025607.D

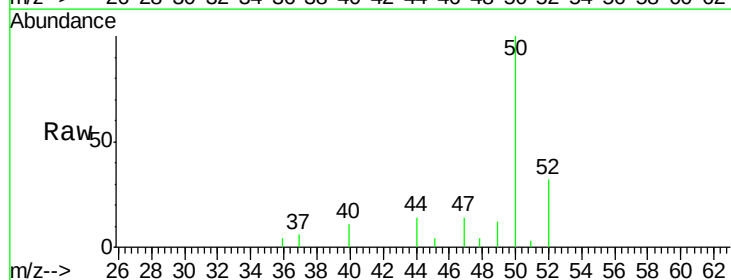
Acq: 7 Jul 2015 12:32

Tgt Ion: 50 Resp: 23371

Ion Ratio Lower Upper

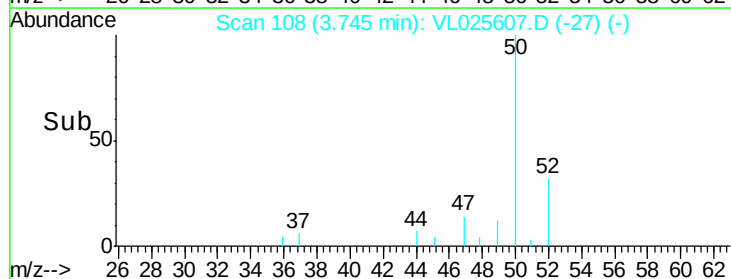
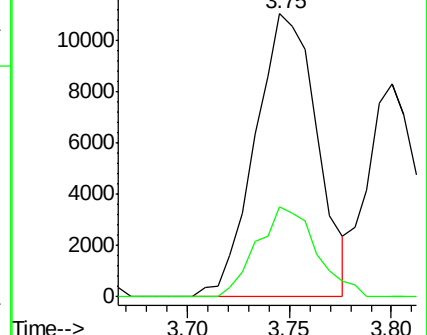
50 100

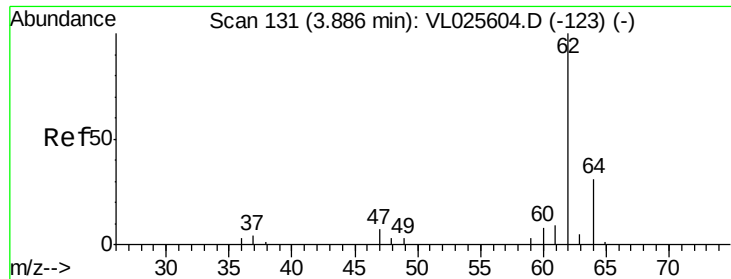
52 31.6 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.52 ppbv

RT: 3.89 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 23530

Ion Ratio Lower Upper

62 100

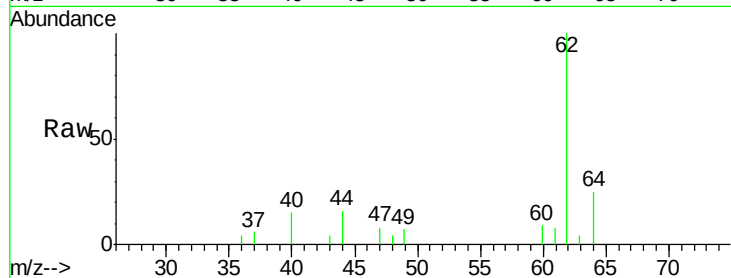
64 24.6 25.0 37.6#

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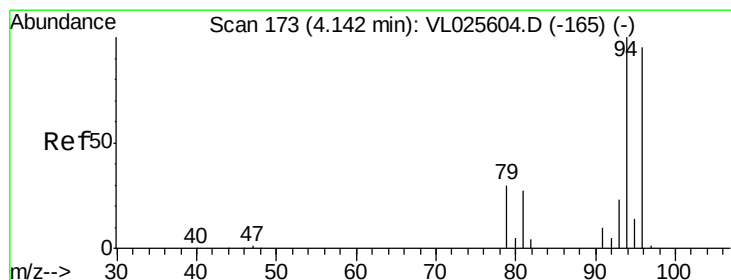
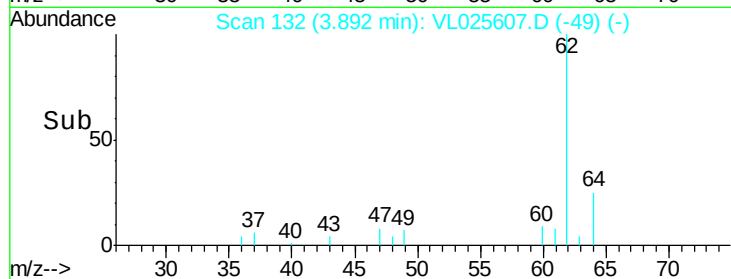
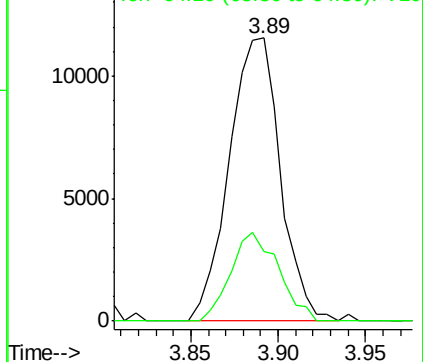
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.66 ppbv

RT: 4.14 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL025607.D

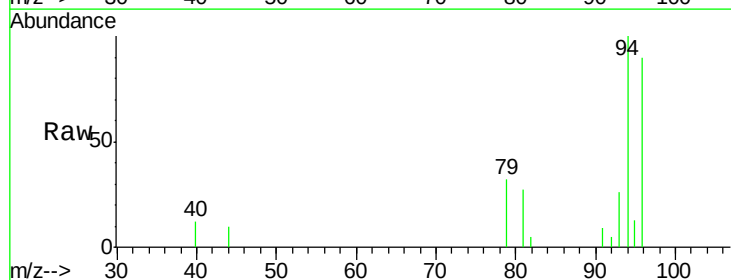
Acq: 7 Jul 2015 12:32

Tgt Ion: 94 Resp: 20380

Ion Ratio Lower Upper

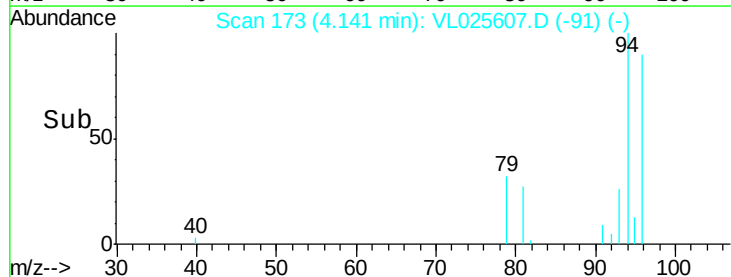
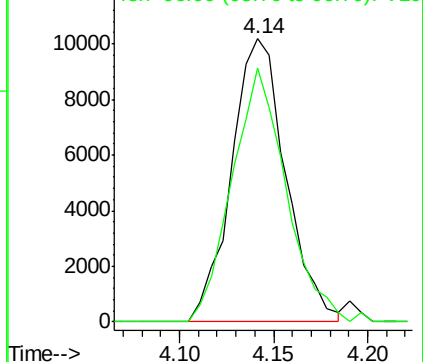
94 100

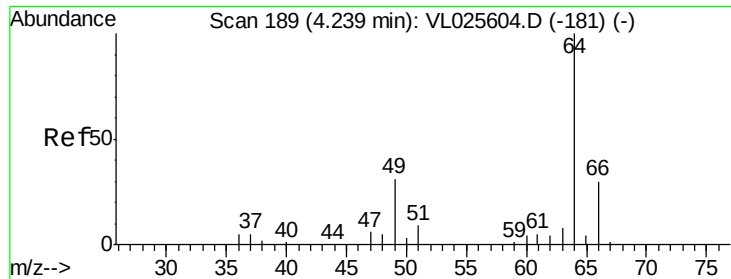
96 89.7 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.59 ppbv

RT: 4.24 min Scan# 189

Delta R.T. -0.00 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 11052

Ion Ratio Lower Upper

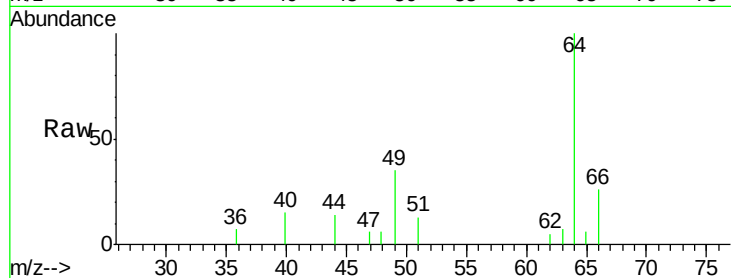
64 100

66 26.2 23.8 35.8

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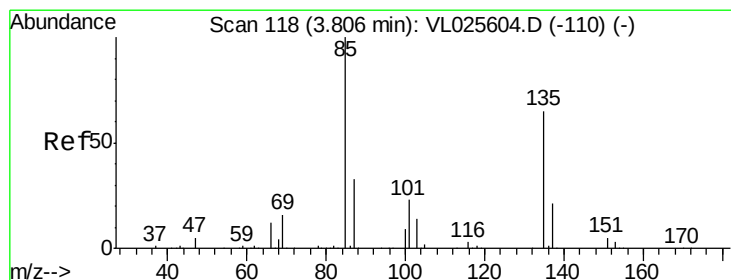
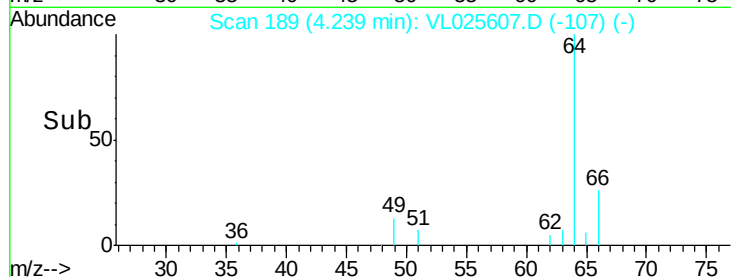
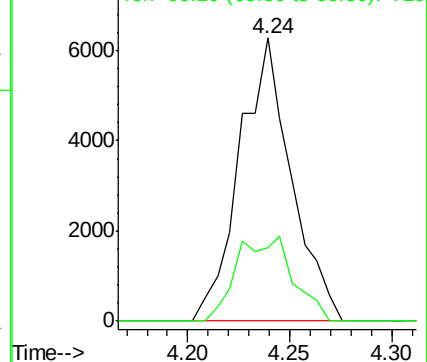
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.67 ppbv

RT: 3.81 min Scan# 118

Delta R.T. -0.00 min

Lab File: VL025607.D

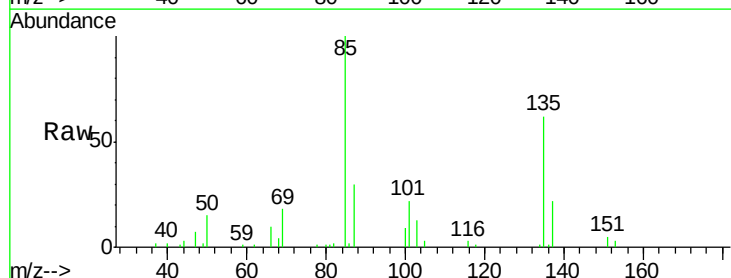
Acq: 7 Jul 2015 12:32

Tgt Ion: 85 Resp: 81317

Ion Ratio Lower Upper

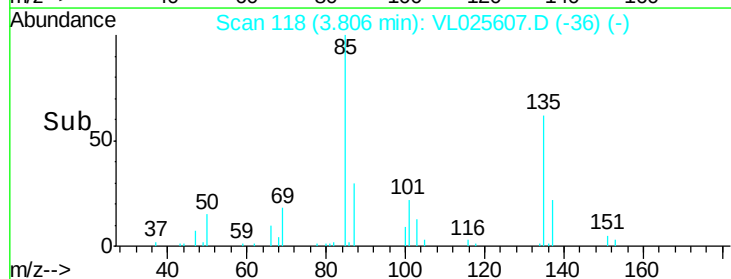
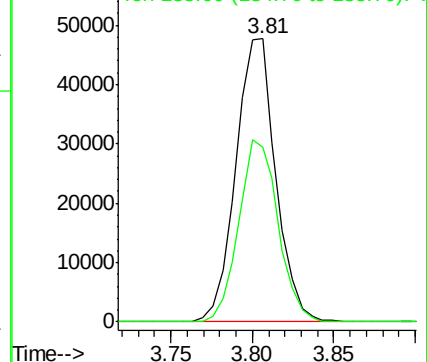
85 100

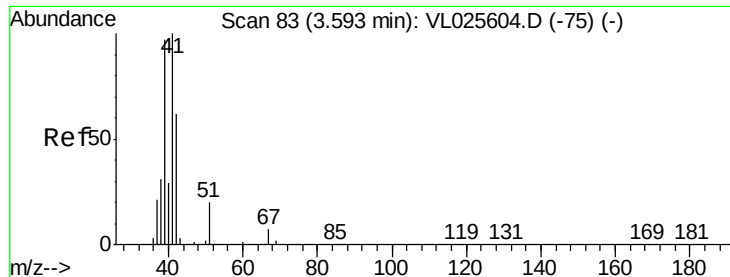
135 63.1 52.2 78.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.47 ppbv

RT: 3.59 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 15330

Ion Ratio Lower Upper

41 100

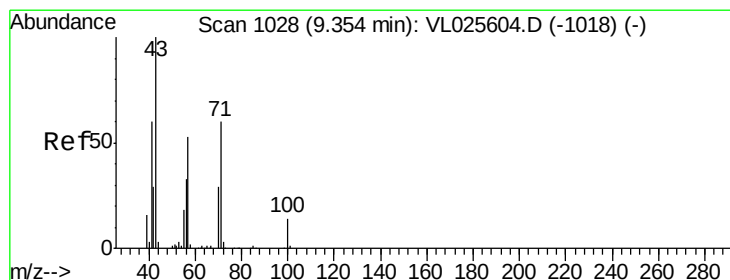
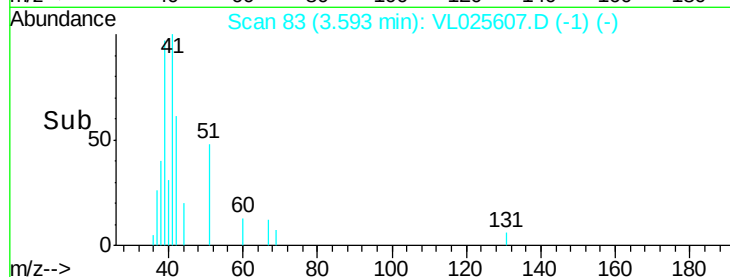
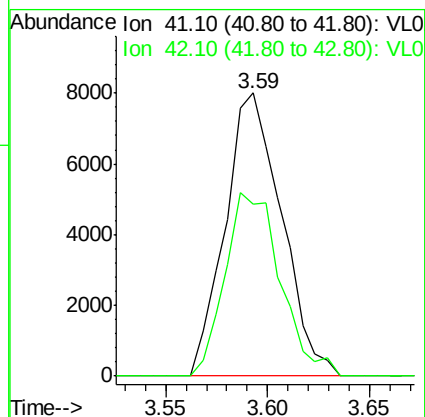
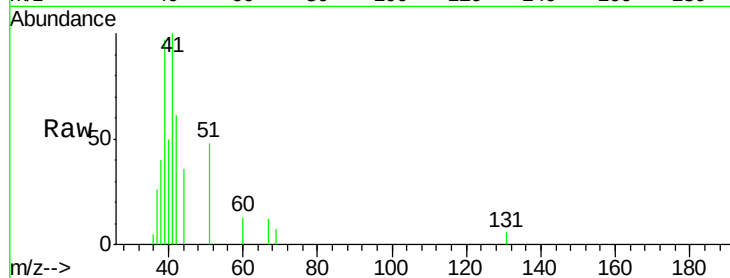
42 63.9 52.4 78.6

Manual Integrations

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#10

Heptane

Concen: 0.48 ppbv

RT: 9.35 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VL025607.D

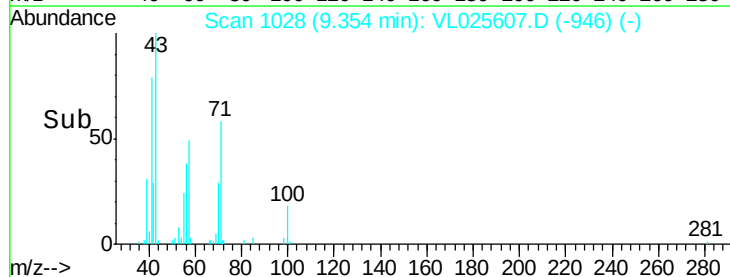
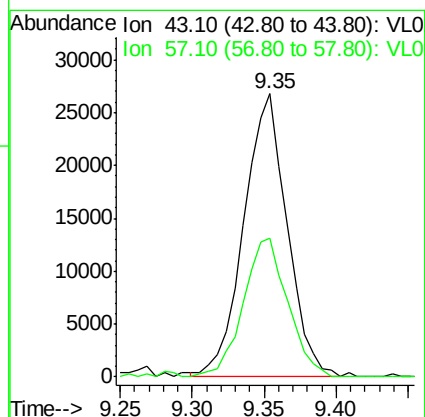
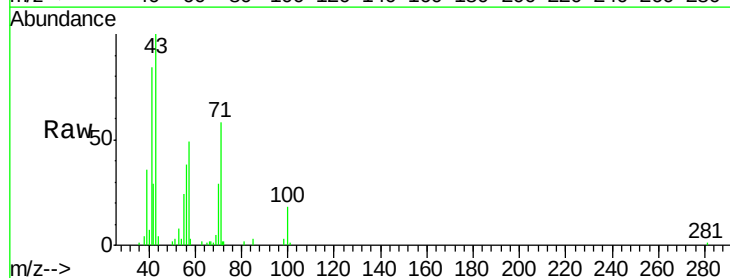
Acq: 7 Jul 2015 12:32

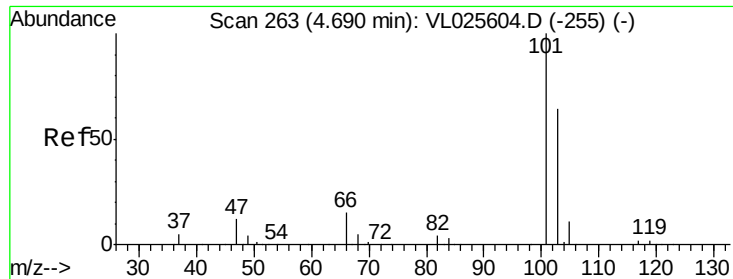
Tgt Ion: 43 Resp: 55705

Ion Ratio Lower Upper

43 100

57 51.2 42.6 64.0





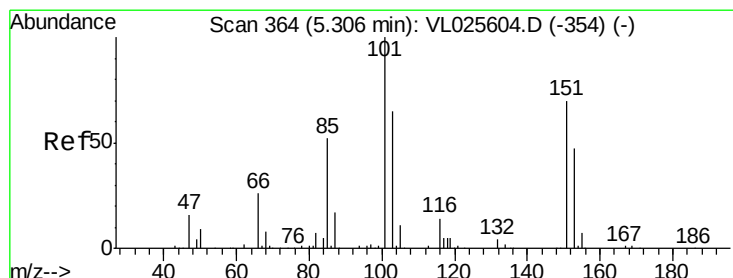
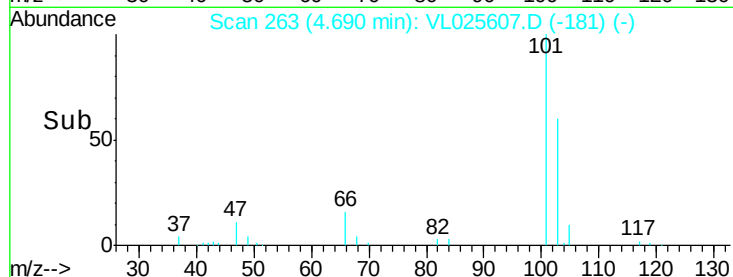
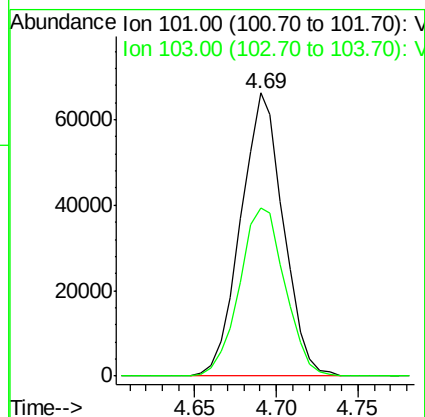
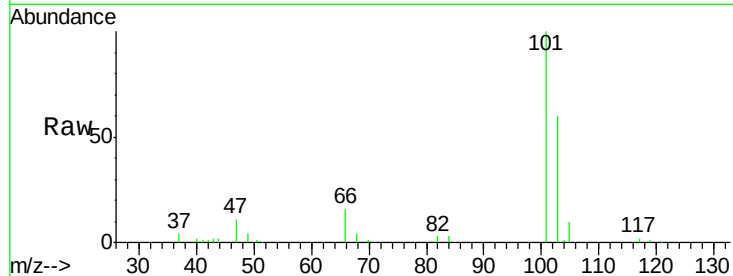
#11
 Trichlorofluoromethane
 Concen: 0.76 ppbv
 RT: 4.69 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
120311	101	100			
	103	59.5	51.4	77.2	

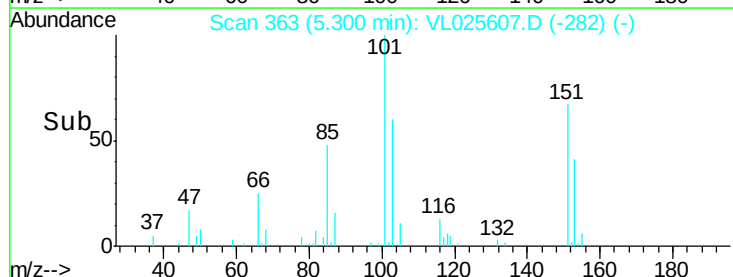
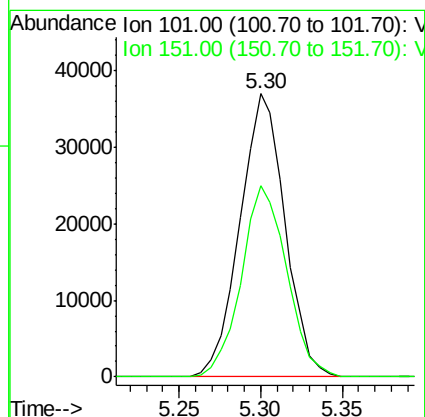
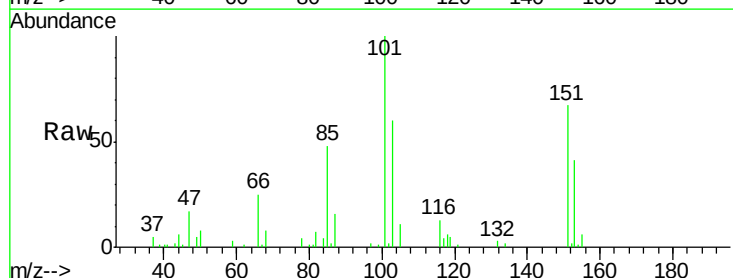
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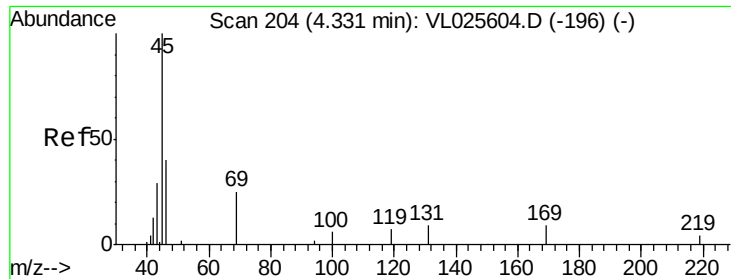
sam
 7/8/2015 11:04:30 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.74 ppbv
 RT: 5.30 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
71082	101	100			
	151	67.9	56.3	84.5	





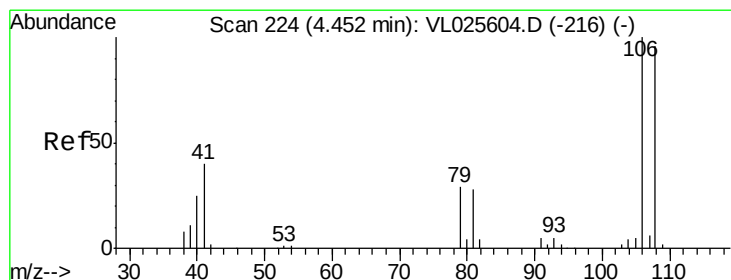
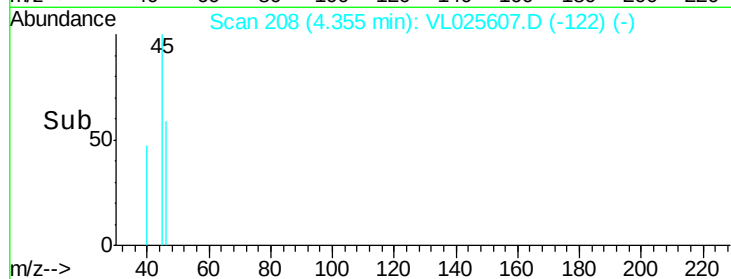
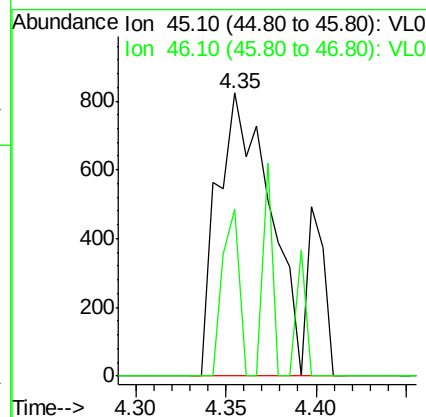
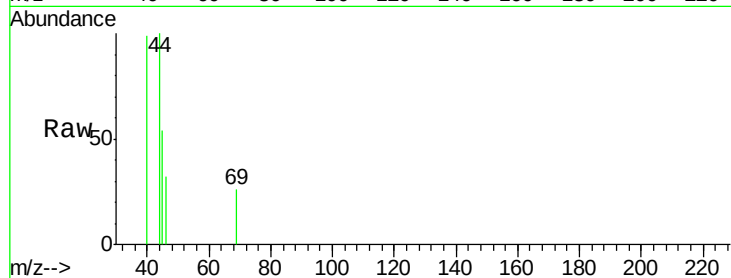
#13
Ethanol
Concen: 0.33 ppbv m
RT: 4.35 min Scan# 208
Delta R.T. 0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 1967
Ion Ratio Lower Upper
45 100
46 34.0 16.0 64.0

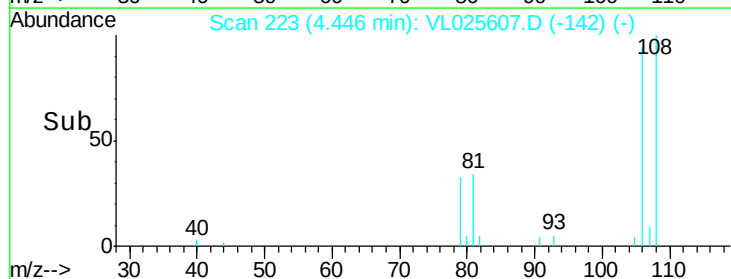
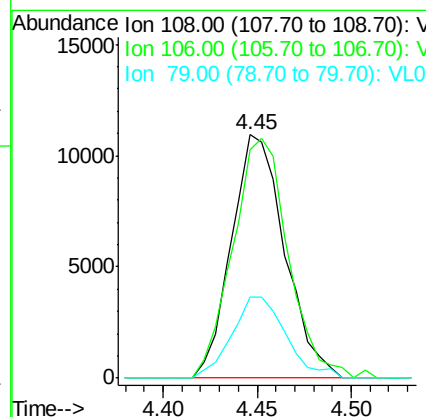
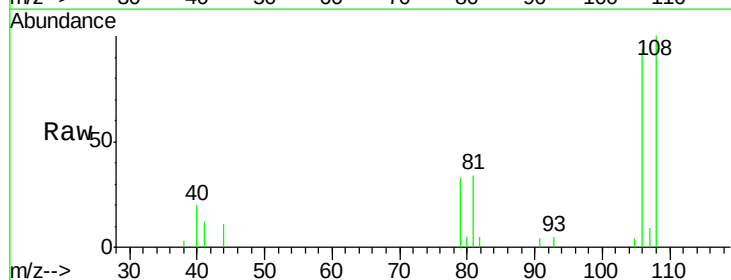
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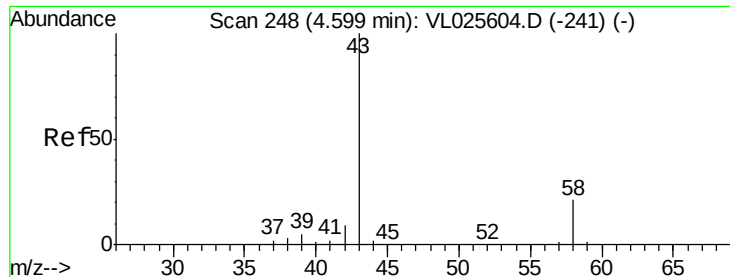
sam
7/8/2015 11:04:30 AM



#14
Bromoethene
Concen: 0.63 ppbv
RT: 4.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 108 Resp: 21519
Ion Ratio Lower Upper
108 100
106 102.6 85.7 128.5
79 34.1 24.6 36.8





#15

Acetone

Concen: 0.69 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 65775

Ion Ratio Lower Upper

43 100

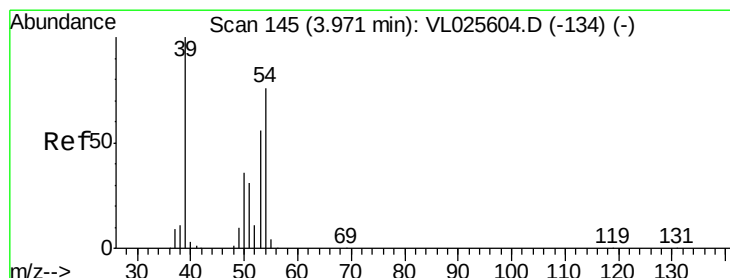
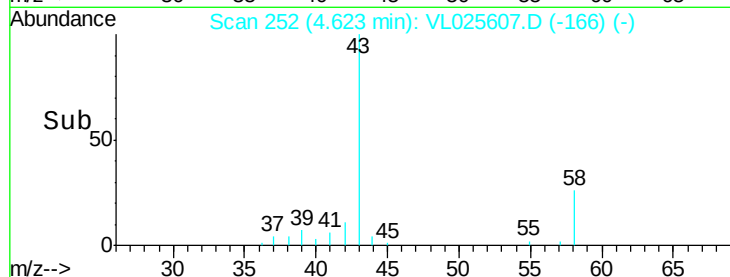
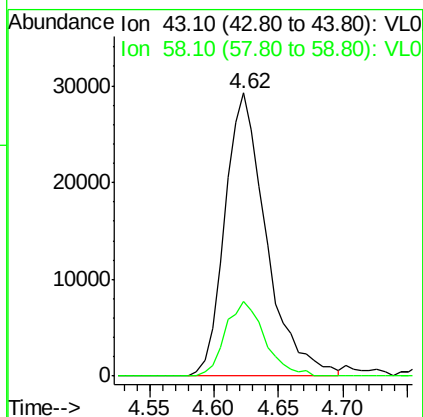
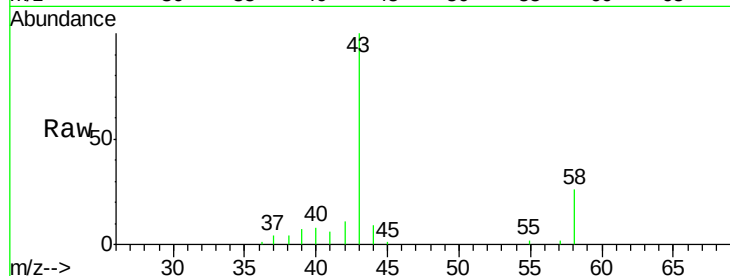
58 24.9 17.2 25.8

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.56 ppbv

RT: 3.97 min Scan# 145

Delta R.T. -0.00 min

Lab File: VL025607.D

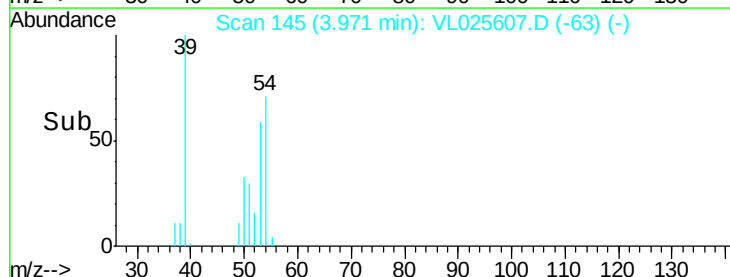
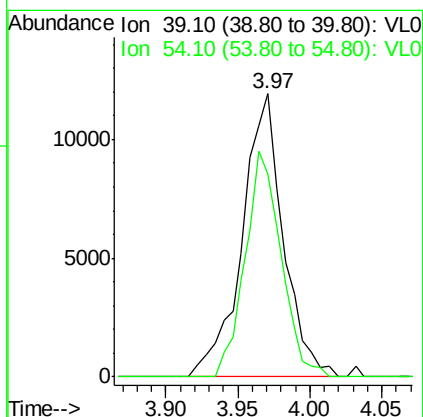
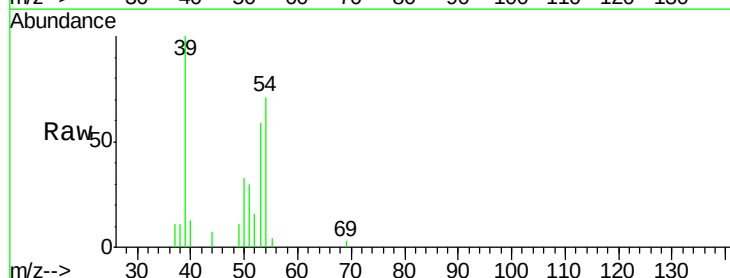
Acq: 7 Jul 2015 12:32

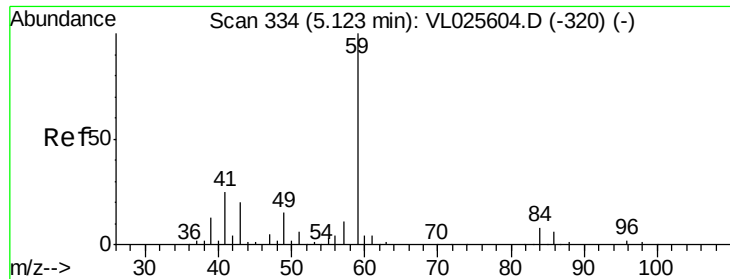
Tgt Ion: 39 Resp: 23625

Ion Ratio Lower Upper

39 100

54 69.3 59.3 88.9





#17

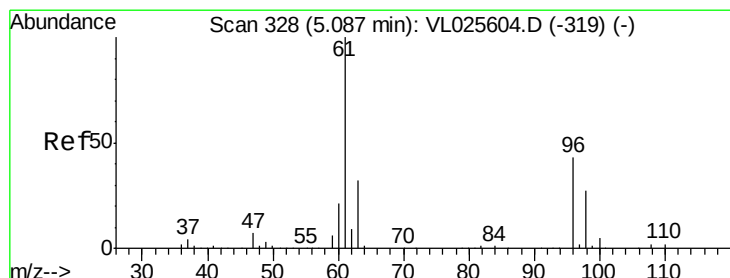
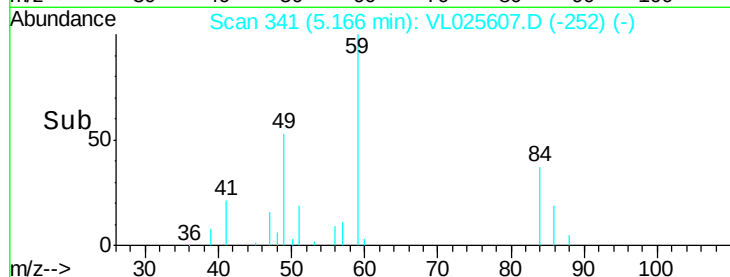
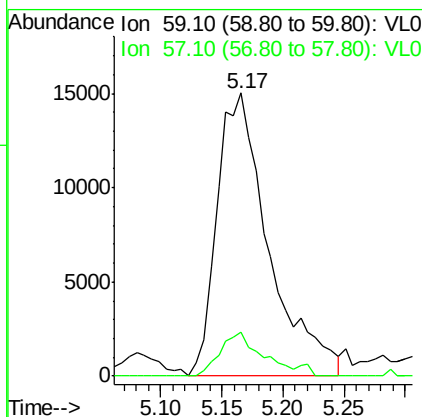
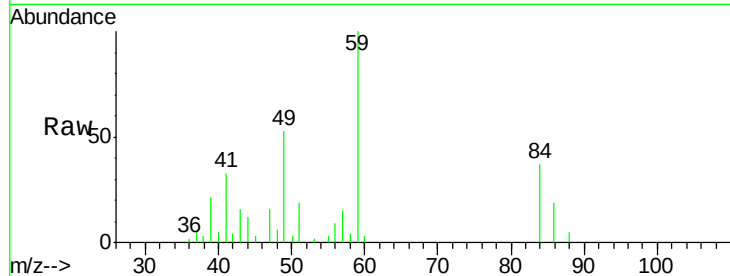
tert-Butyl alcohol
 Concen: 0.54 ppbv
 RT: 5.17 min Scan# 341
 Delta R.T. 0.04 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	59	Resp	44214
Ion Ratio	100	Lower	Upper
57	13.3	9.4	14.2

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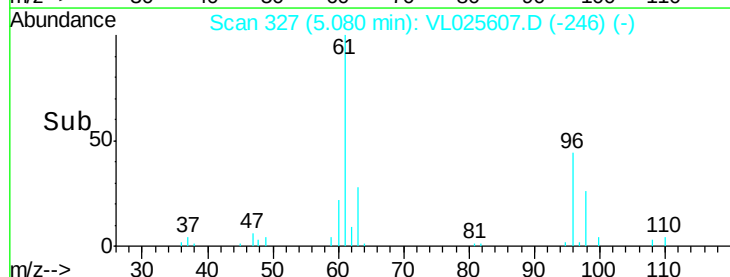
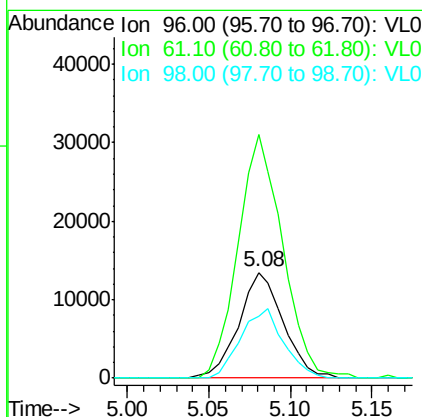
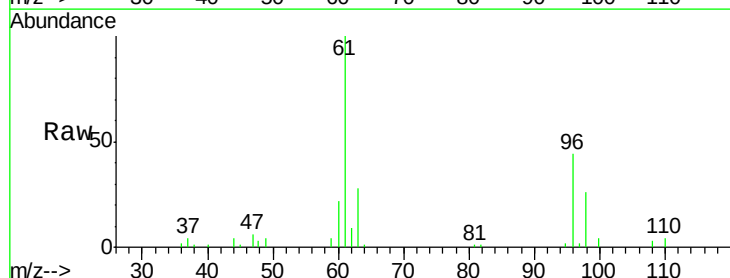
sam
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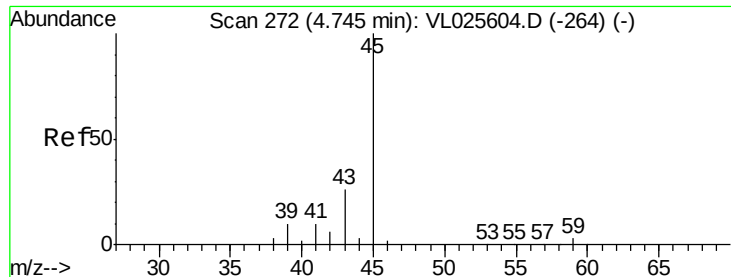


#18

1,1-Dichloroethene
 Concen: 0.64 ppbv
 RT: 5.08 min Scan# 327
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	96	Resp	25513
Ion Ratio	100	Lower	Upper
61	229.7	184.1	276.1
98	58.8	50.0	75.0





#19

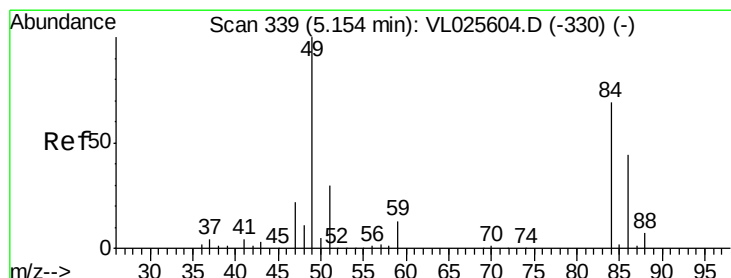
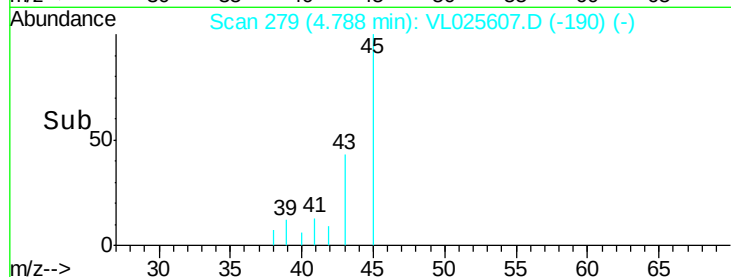
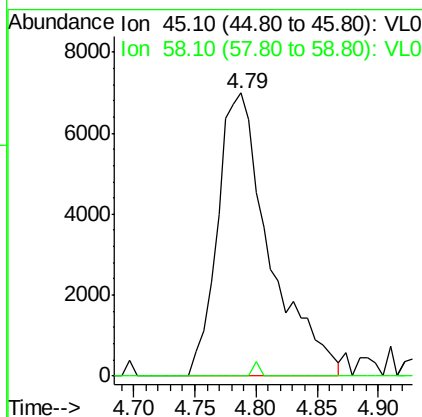
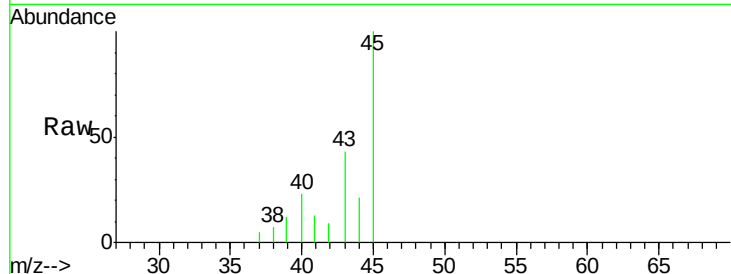
Isopropyl Alcohol
 Concen: 0.47 ppbv
 RT: 4.79 min Scan# 279
 Delta R.T. 0.04 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
45	100		
58	79.4	1.1	1.7#

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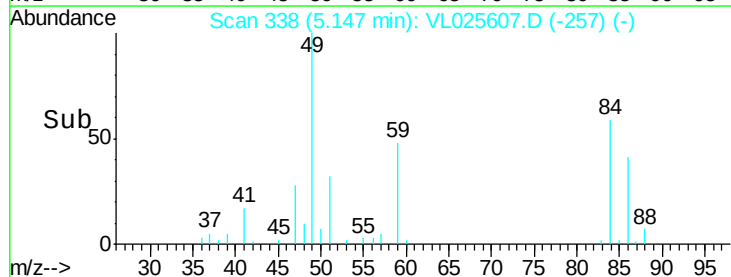
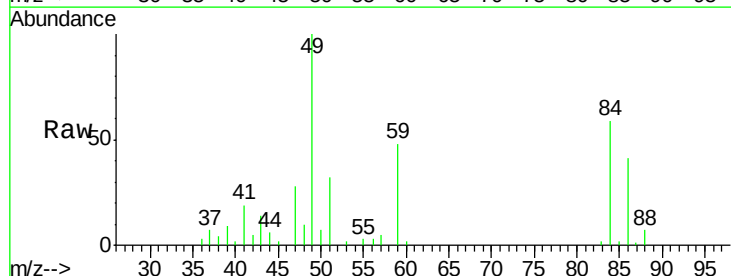
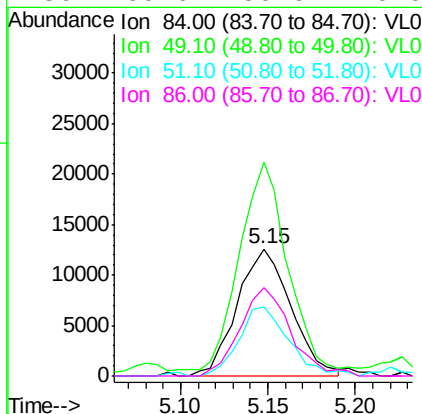
sam
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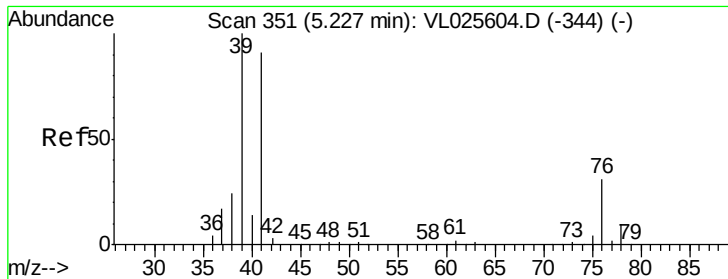


#20

Methylene Chloride
 Concen: 0.65 ppbv
 RT: 5.15 min Scan# 338
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	163.4	115.2	172.8
51	54.0	35.0	52.6#
86	69.6	50.6	76.0





#21

Allvl Chloride

Concen: 0.61 ppbv

RT: 5.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

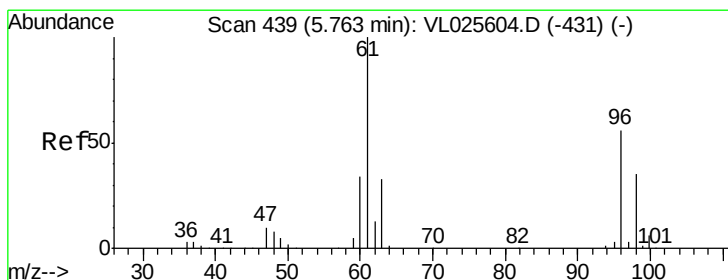
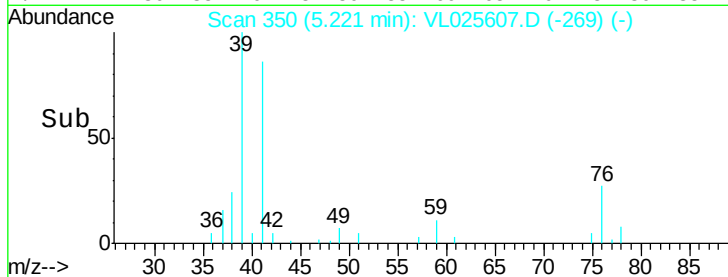
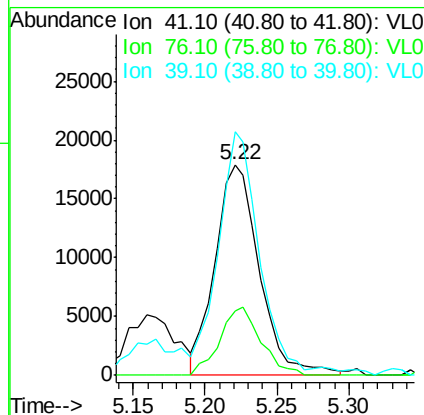
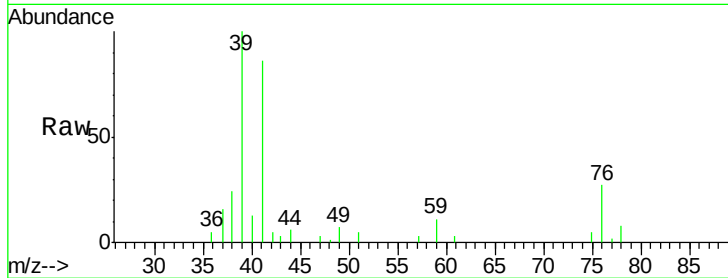
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	38532
Ion	Ratio	Lower	Upper
41	100		
76	29.9	26.6	40.0
39	129.1	88.2	132.4

Manual Integrations
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sam
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#22

trans-1,2-Dichloroethene

Concen: 0.56 ppbv

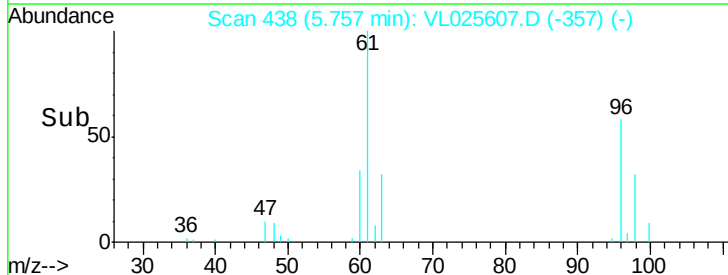
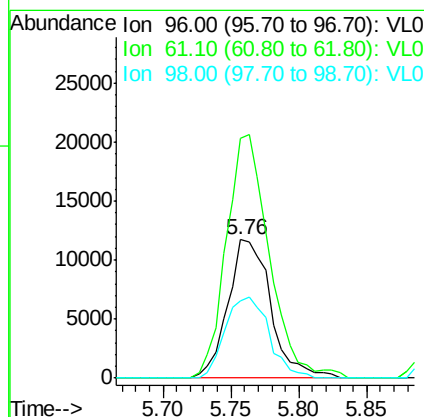
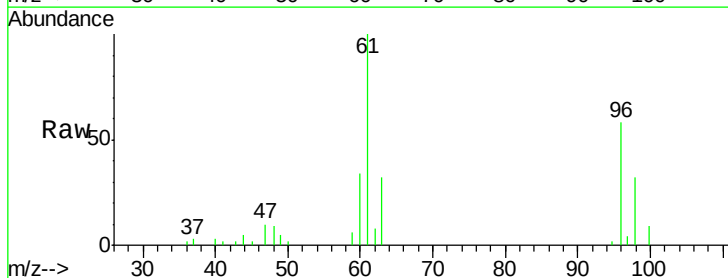
RT: 5.76 min Scan# 438

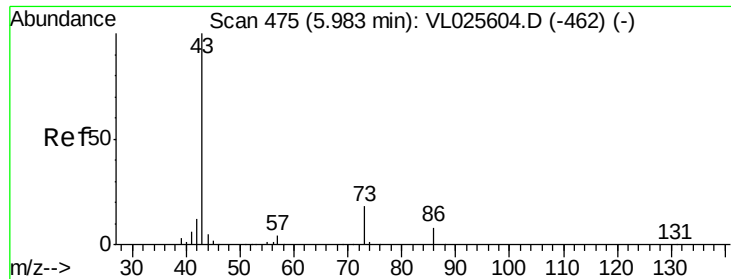
Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion:	96	Resp:	25852
Ion	Ratio	Lower	Upper
96	100		
61	173.1	141.8	212.6
98	55.4	49.0	73.6





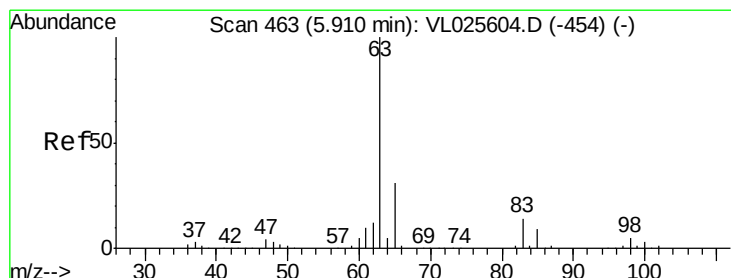
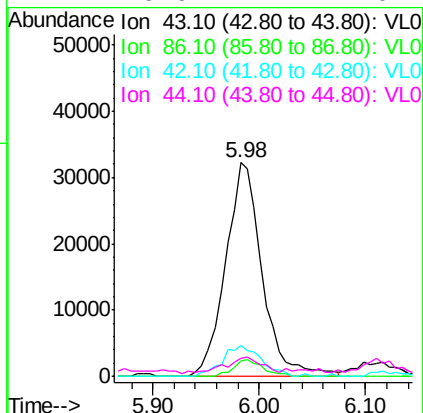
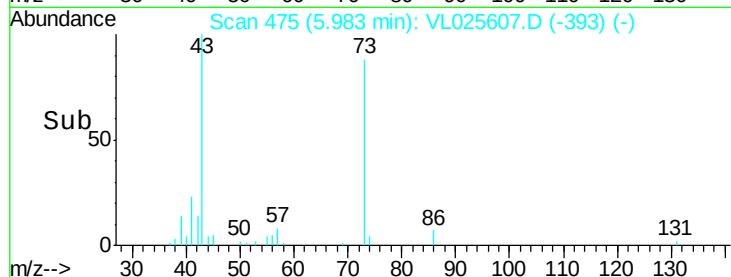
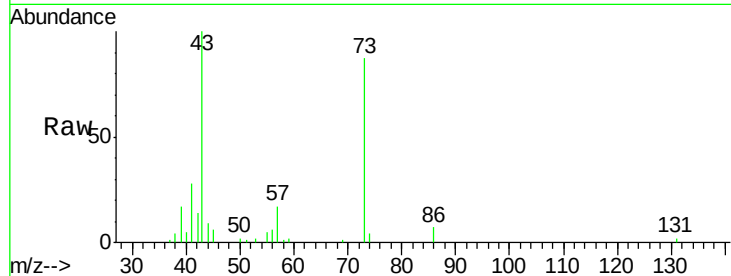
#23
 Vinyl Acetate
 Concen: 0.46 ppbv
 RT: 5.98 min Scan# 475
 Delta R.T. -0.00 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		77241		
86	7.1		6.7	10.1	
42	14.2		9.8	14.6	
44	5.9		4.1	6.1	

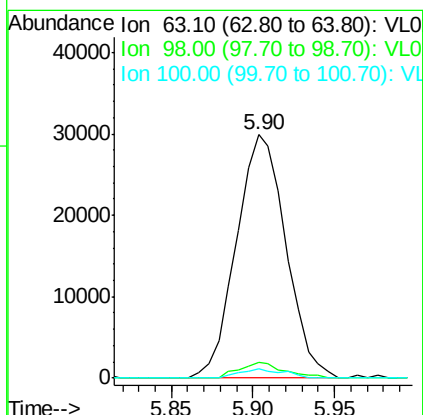
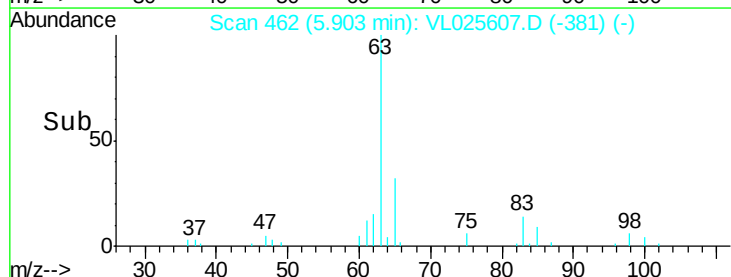
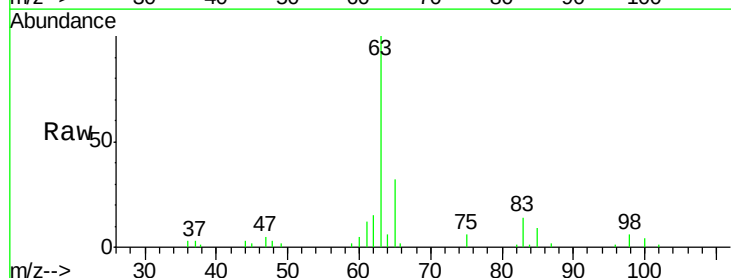
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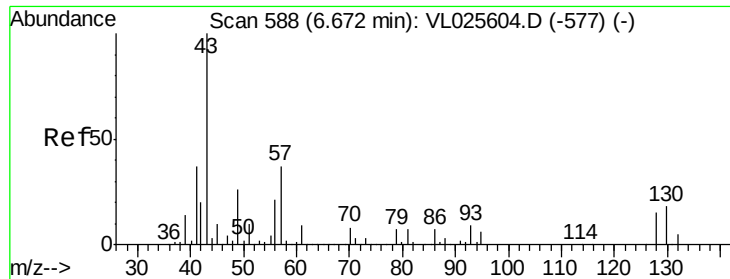
sam
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#24
 1,1-Dichloroethane
 Concen: 0.58 ppbv
 RT: 5.90 min Scan# 462
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		62997		
98	6.4		2.6	8.0	
100	4.0		1.6	4.7	





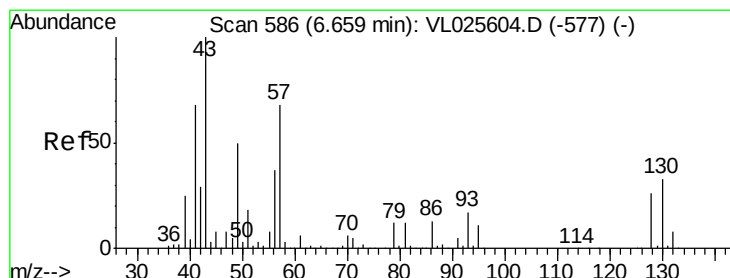
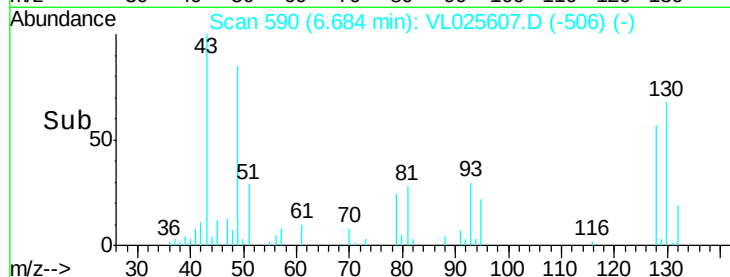
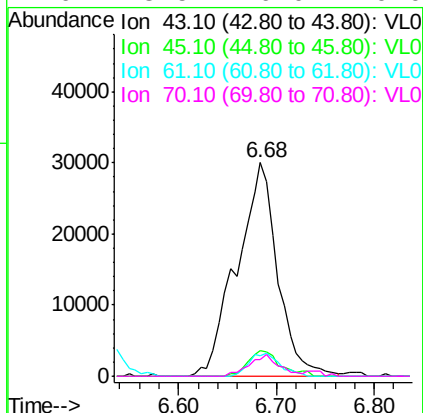
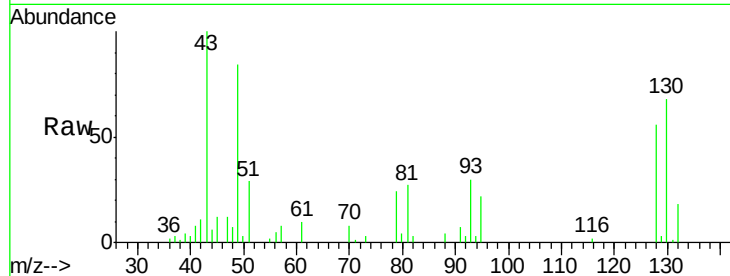
#25
Ethyl Acetate
Concen: 0.50 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	43	Resp	86725
Ion Ratio	Lower	Upper	
43	100		
45	9.6	7.5	11.3
61	8.2	6.6	10.0
70	8.5	6.0	9.0

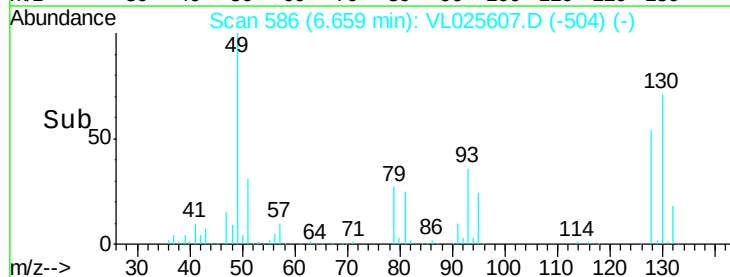
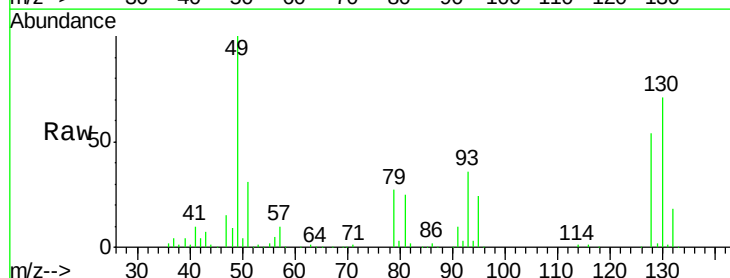
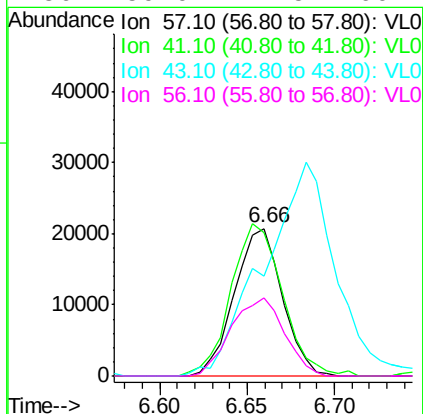
Manual Integrations
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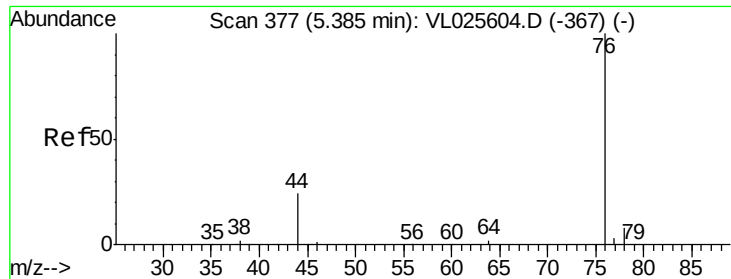
sam
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#26
Hexane
Concen: 0.49 ppbv
RT: 6.66 min Scan# 586
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	57	Resp	39559
Ion Ratio	Lower	Upper	
57	100		
41	111.1	81.4	122.2
43	221.7	171.4	257.2
56	59.0	44.5	66.7





#27

Carbon Disulfide

Concen: 0.61 ppbv

RT: 5.39 min Scan# 378

Delta R.T. 0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

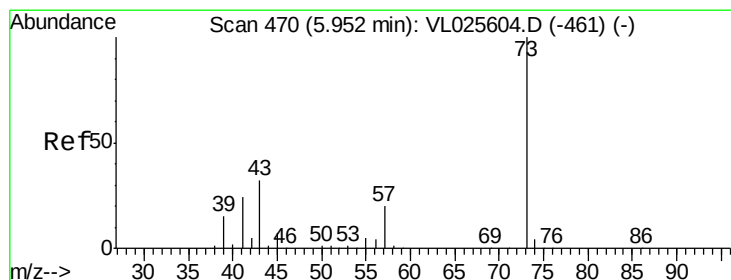
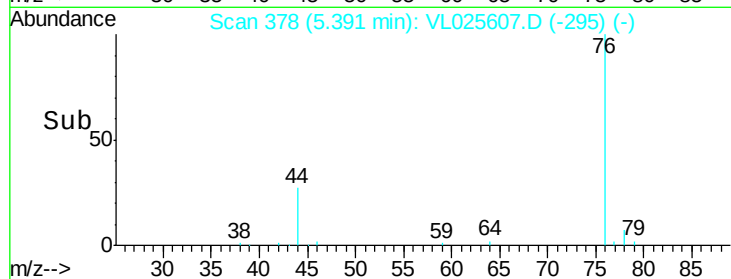
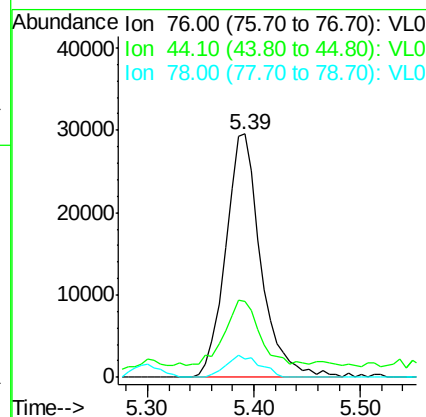
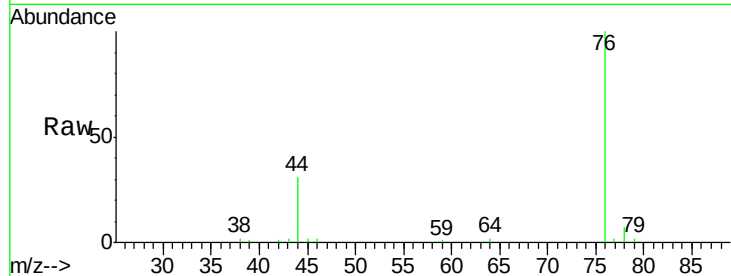
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	68214
Ion	Ratio	Lower	Upper
76	100		
44	37.8	20.2	30.4#
78	8.7	7.4	11.2

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7/8/2015 11:04:30 AM



#28

Methyl tert-Butyl Ether

Concen: 0.49 ppbv

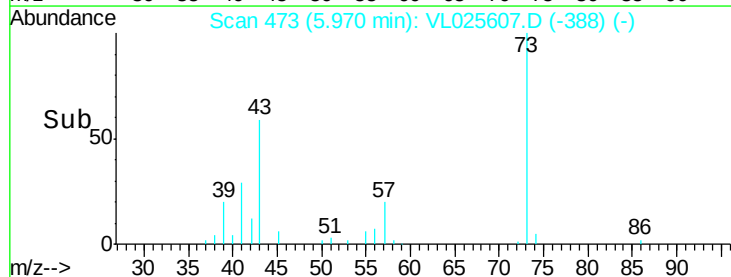
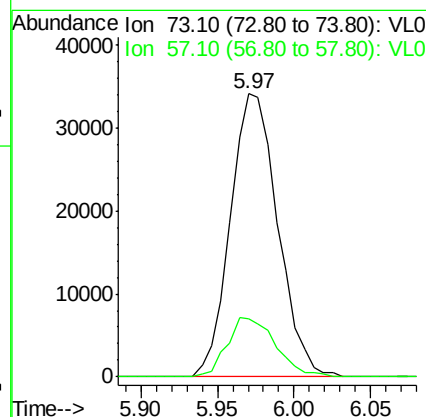
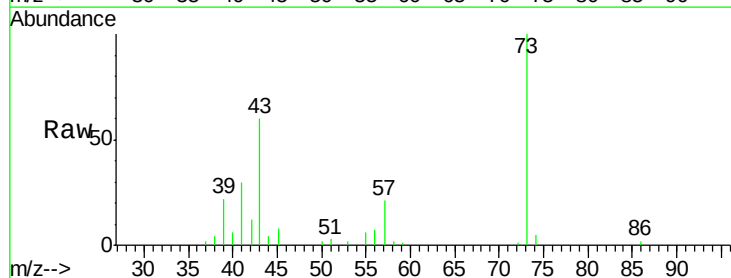
RT: 5.97 min Scan# 473

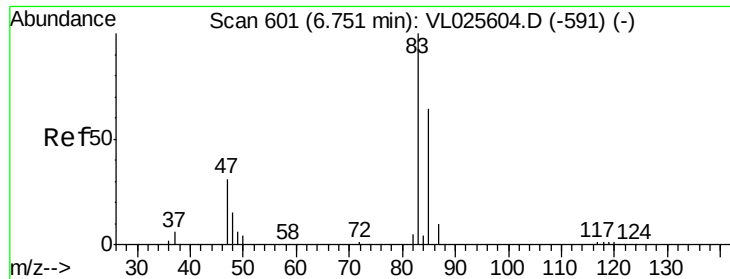
Delta R.T. 0.02 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion:	73	Resp:	73333
Ion	Ratio	Lower	Upper
73	100		
57	21.4	16.0	24.0





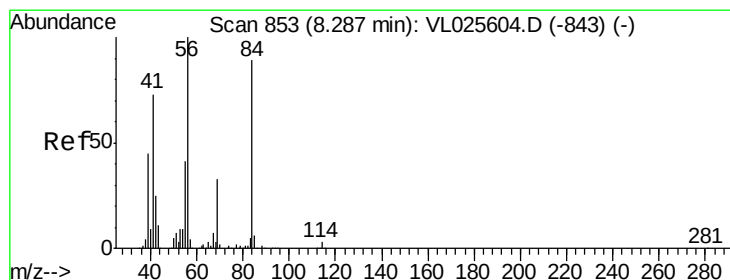
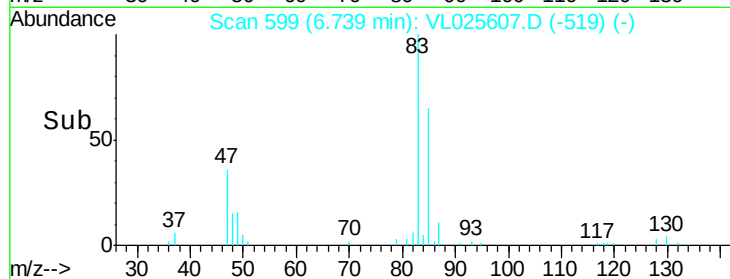
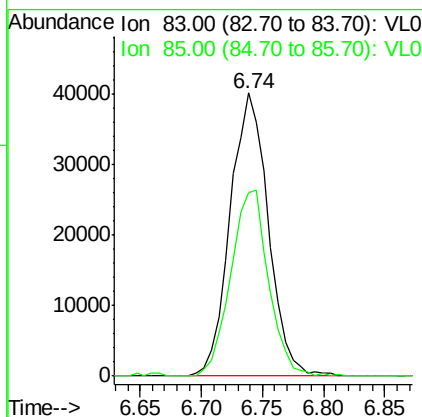
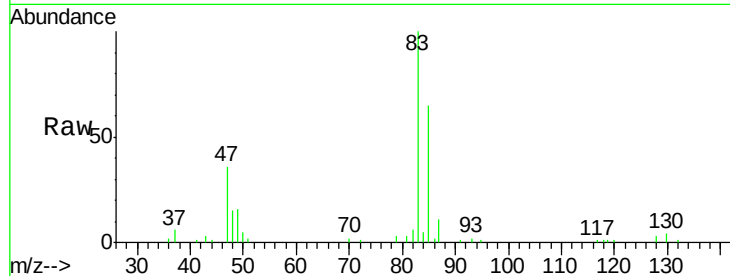
#29
Chloroform
Concen: 0.64 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	86425
Ion Ratio	100	Lower	Upper
85	64.8	51.6	77.4

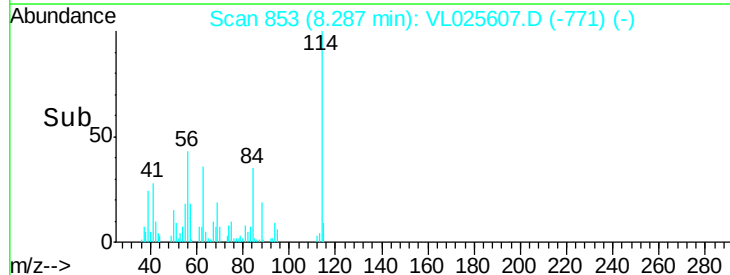
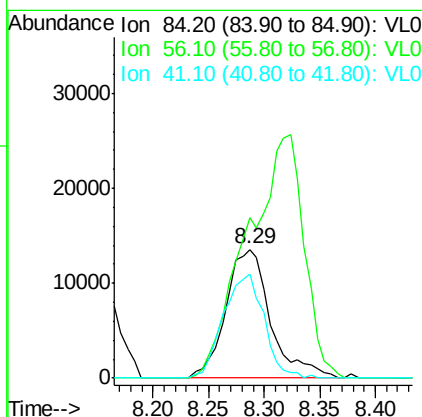
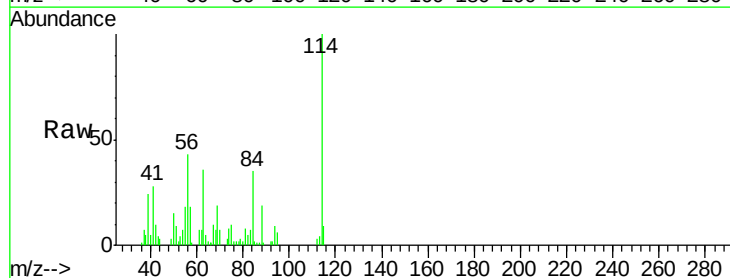
Manual Integrations
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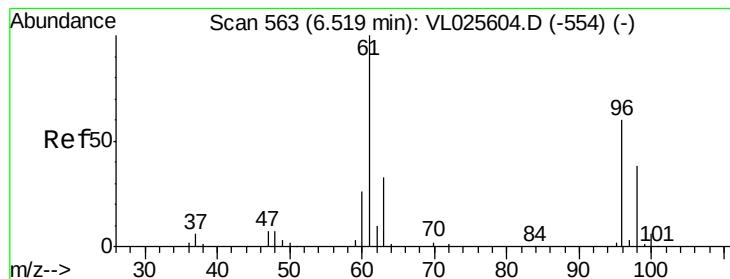
sam
7/8/2015 11:04:30 AM



#30
Cyclohexane
Concen: 0.51 ppbv
RT: 8.29 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	84	Resp	37745
Ion Ratio	100	Lower	Upper
56	240.3	97.5	146.3#
41	73.5	65.4	98.2





#31

cis-1,2-Dichloroethene

Concen: 0.47 ppbv

RT: 6.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

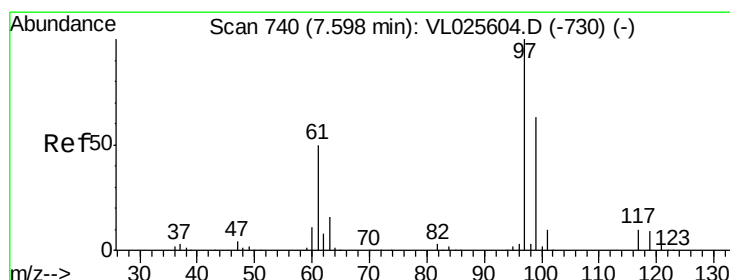
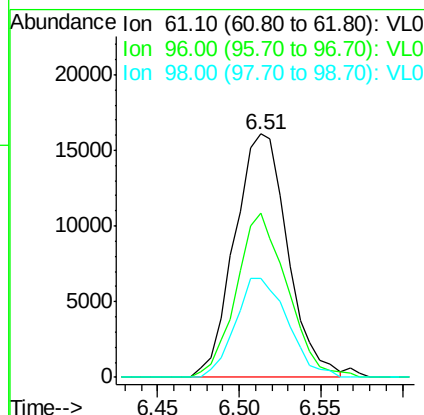
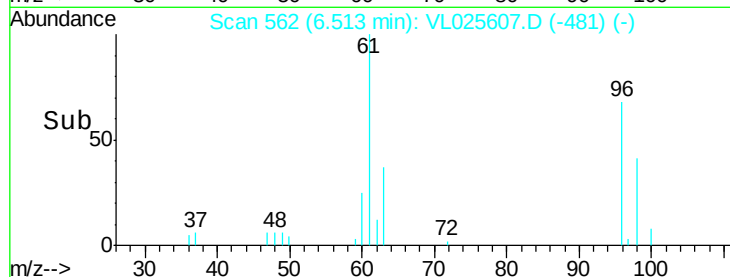
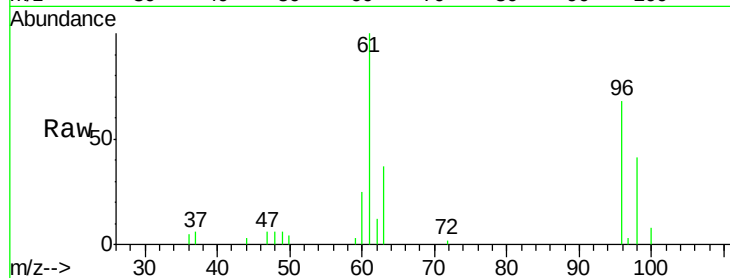
ClientSampleId :

VSTDIC0.5

Tot Ion:	61	Resp:	36462
Ion	Ratio	Lower	Upper
61	100		
96	67.6	48.1	72.1
98	40.6	30.7	46.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.58 ppbv

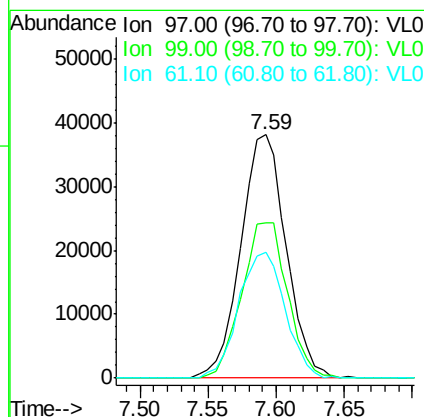
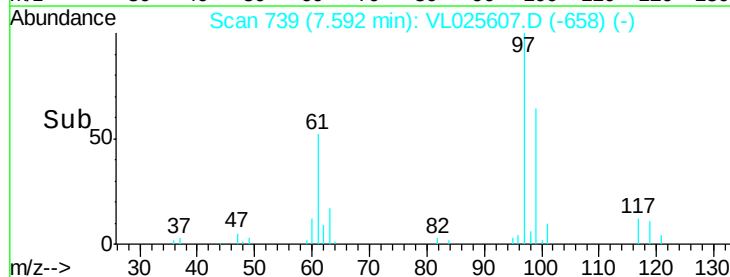
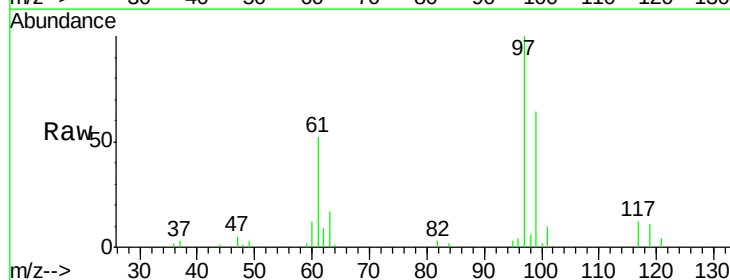
RT: 7.59 min Scan# 739

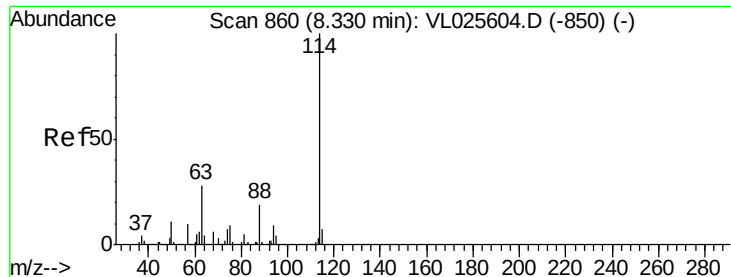
Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion:	97	Resp:	88828
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	53.0	40.4	60.6





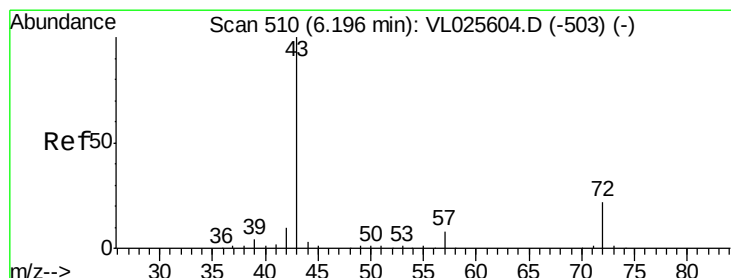
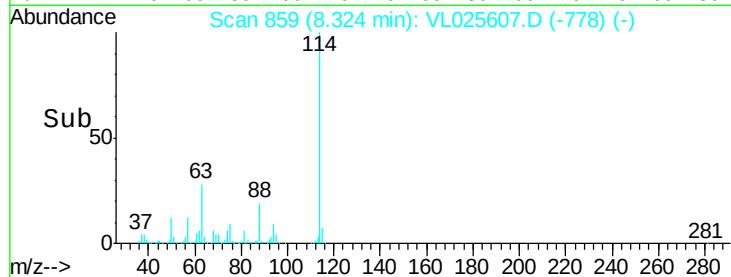
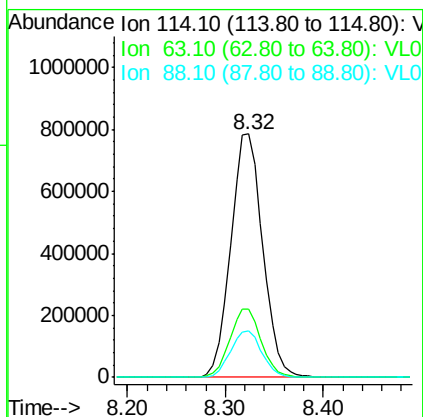
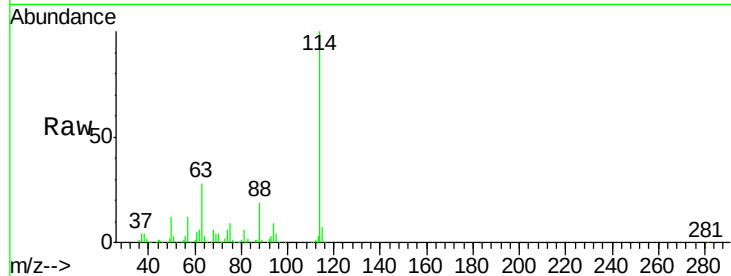
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 1774587
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.4 33.6
 88 18.8 15.0 22.4

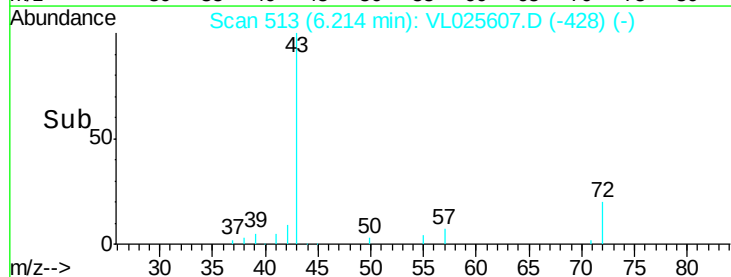
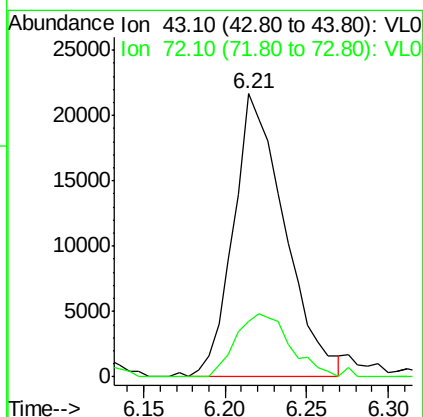
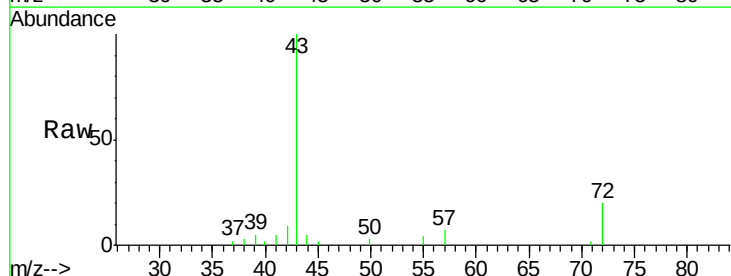
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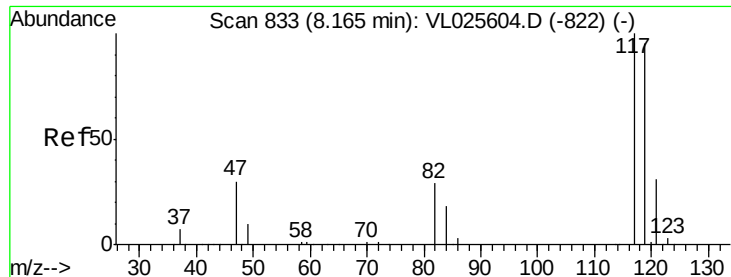
sam
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#34
 2-Butanone
 Concen: 0.45 ppbv
 RT: 6.21 min Scan# 513
 Delta R.T. 0.02 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion: 43 Resp: 47480
 Ion Ratio Lower Upper
 43 100
 72 24.0 18.6 28.0





#35

Carbon Tetrachloride

Concen: 0.58 ppbv

RT: 8.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 93853

Ion Ratio Lower Upper

117 100

119 89.1 75.9 113.9

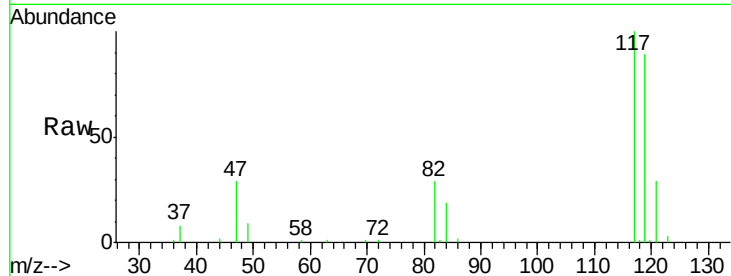
121 29.1 24.4 36.6

Manual Integrations

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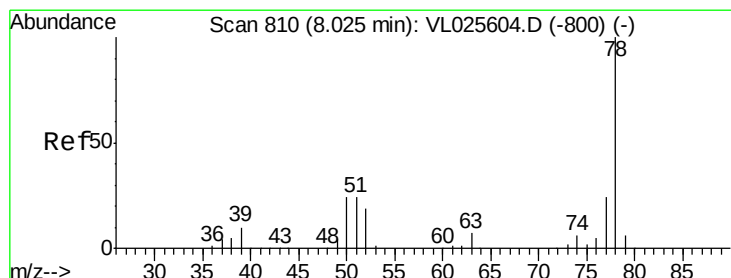
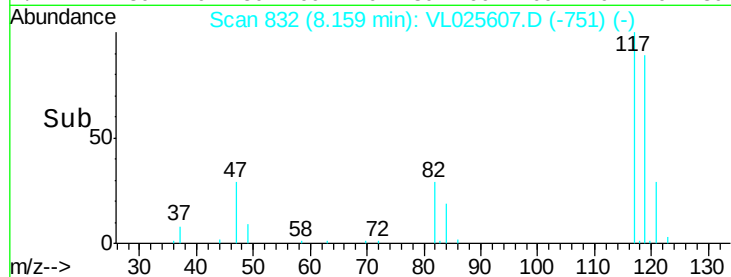
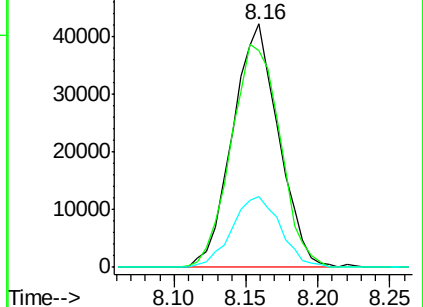
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.45 ppbv

RT: 8.02 min Scan# 809

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

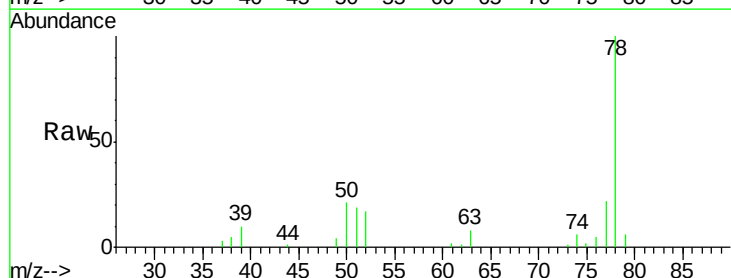
Tgt Ion: 78 Resp: 79006

Ion Ratio Lower Upper

78 100

77 21.6 19.0 28.4

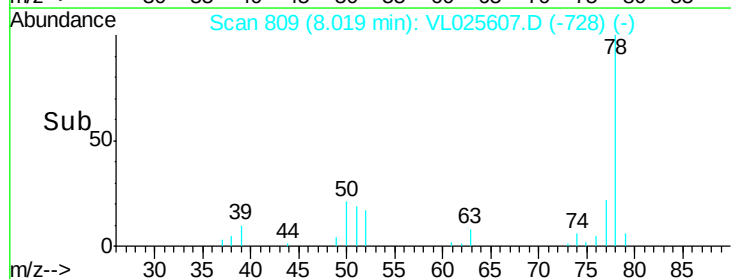
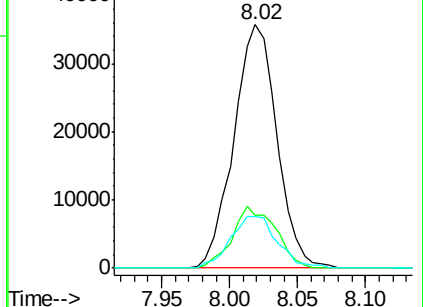
50 21.1 19.2 28.8

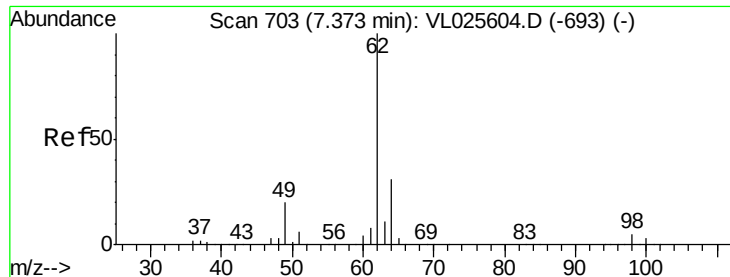


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 0.60 ppbv

RT: 7.37 min Scan# 702

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 72939

Ion Ratio Lower Upper

62 100

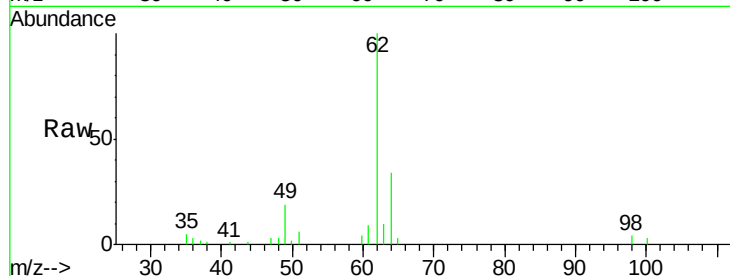
98 4.7 4.1 6.1

Manual Integrations

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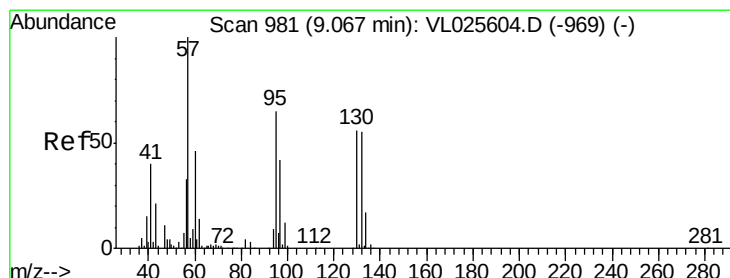
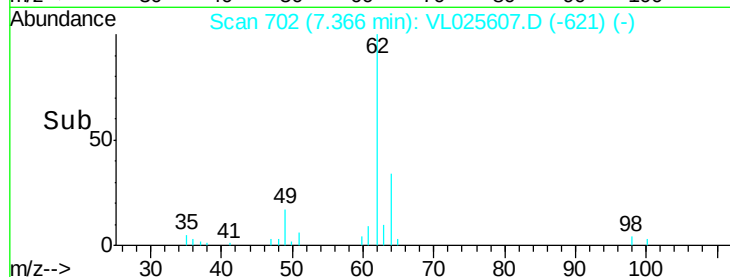
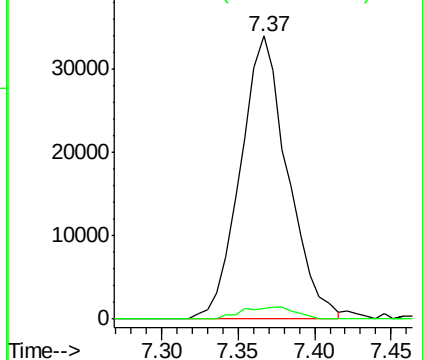
sam

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 0.52 ppbv

RT: 9.06 min Scan# 980

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion:130 Resp: 39092

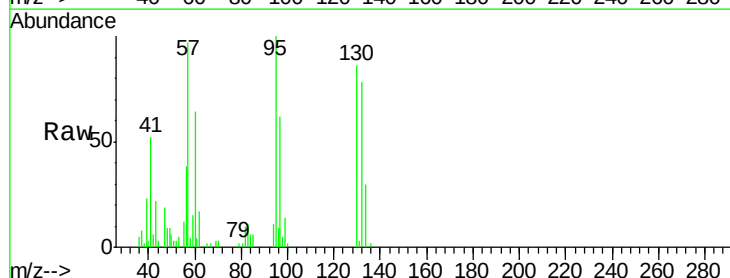
Ion Ratio Lower Upper

130 100

95 116.3 94.2 141.4

132 90.7 78.6 118.0

97 72.6 60.6 90.8

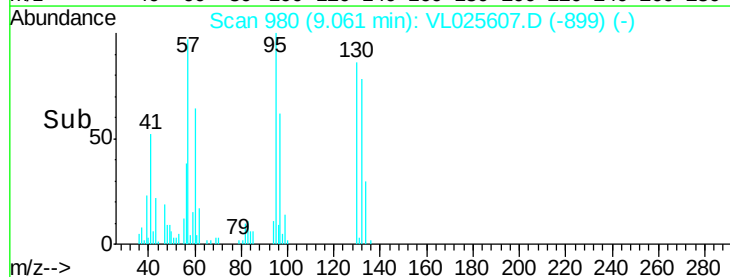
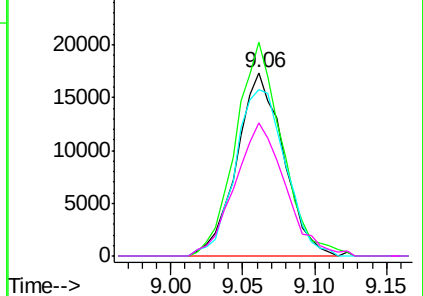


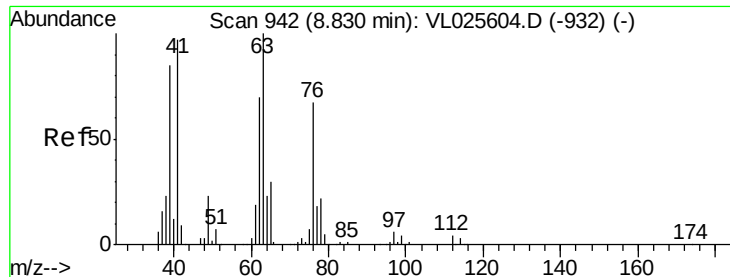
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





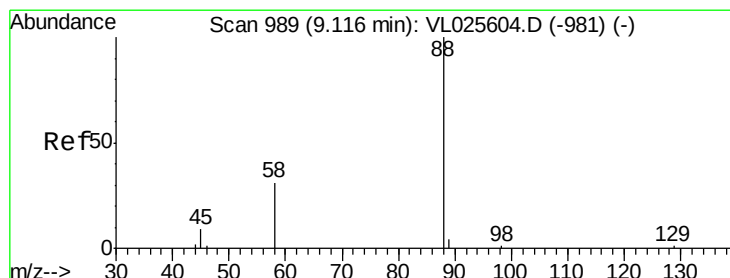
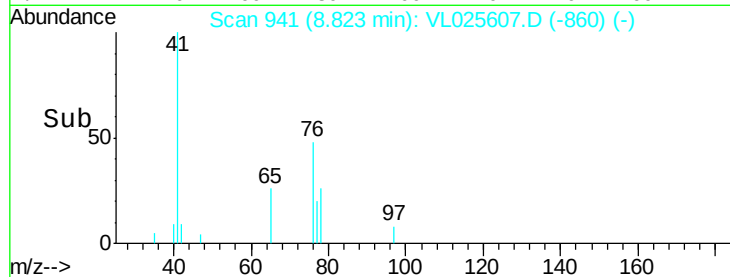
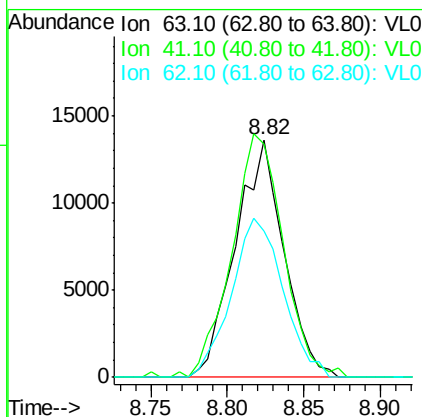
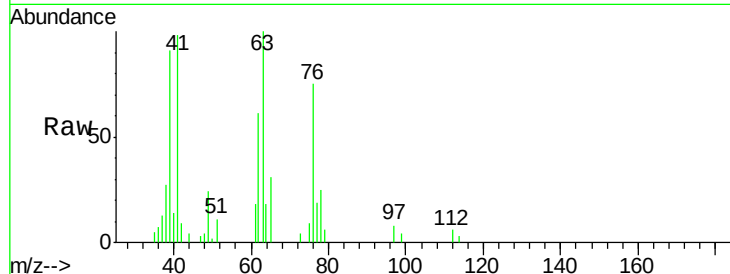
#39
 1,2-Dichloropropane
 Concen: 0.46 ppbv
 RT: 8.82 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	98.4	78.0	117.0
62	61.5	55.7	83.5

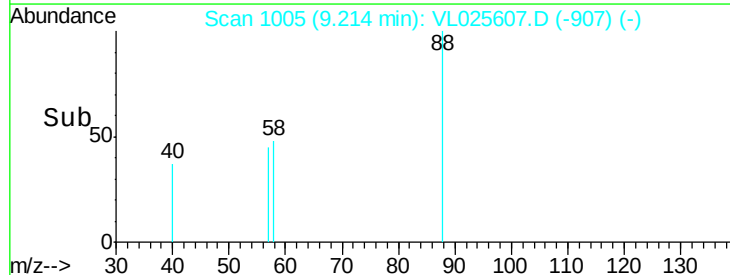
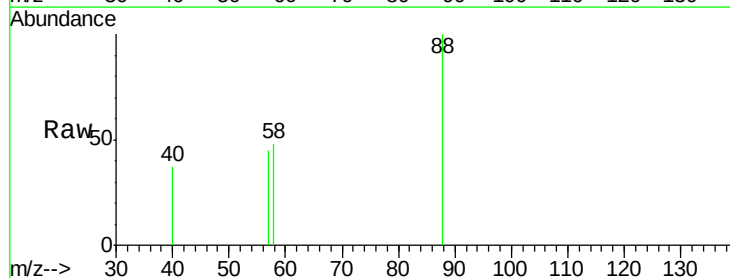
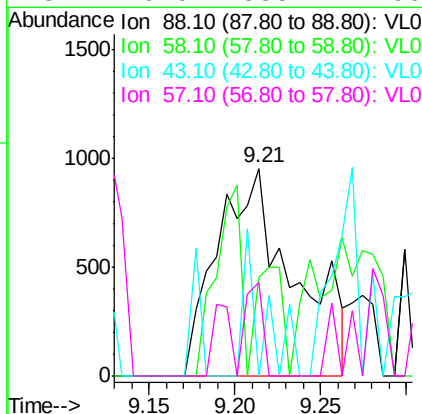
Manual Integrations
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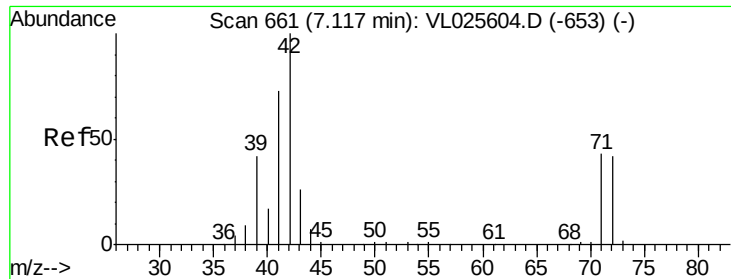
sam
 7/8/2015 11:04:30 AM



#40
 1,4-Dioxane
 Concen: 0.21 ppbv m
 RT: 9.21 min Scan# 1005
 Delta R.T. 0.10 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	48.7	127.1	190.7#
43	0.0	337.7	506.5#
57	0.0	1533.2	2299.8#





#41

Tetrahydrofuran

Concen: 0.37 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.04 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

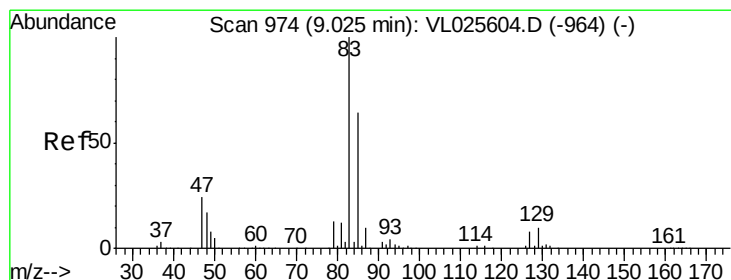
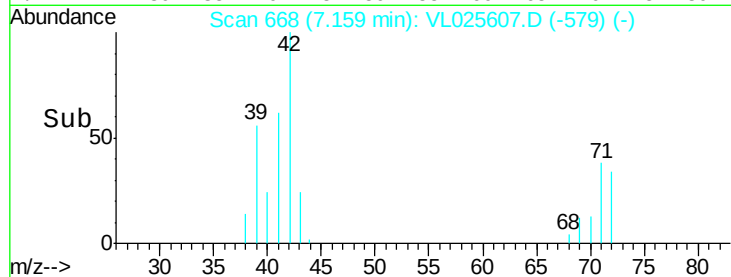
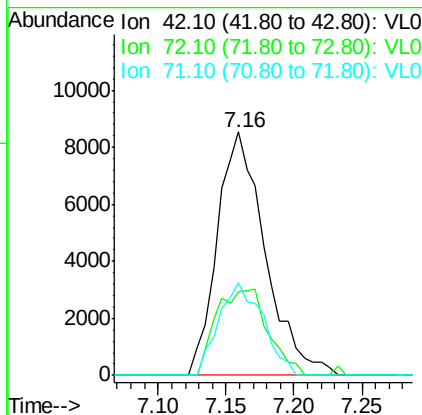
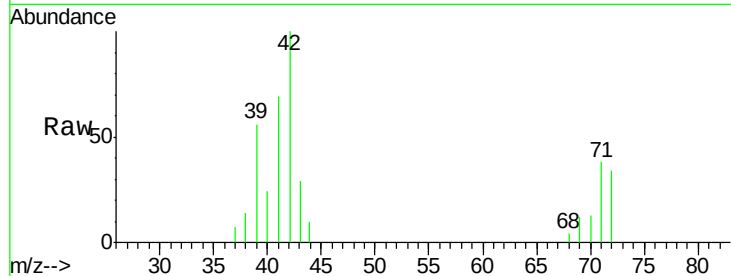
VSTDIC0.5

Tot Ion:	42	Resp:	20963
Ion	Ratio	Lower	Upper
42	100		
72	38.8	34.0	51.0
71	35.0	33.0	49.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.56 ppbv

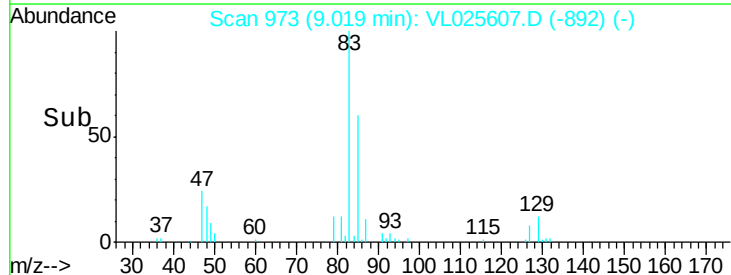
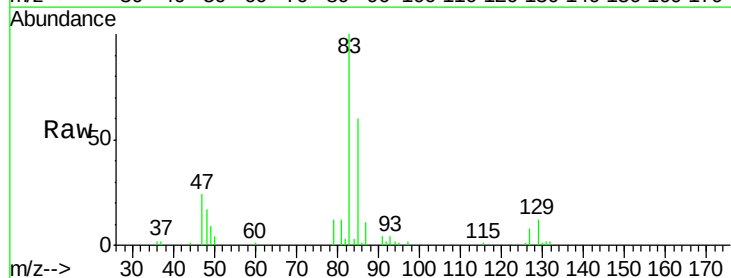
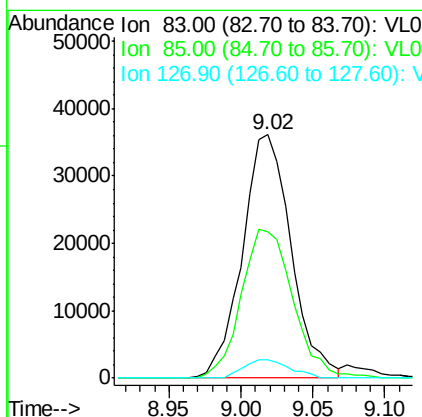
RT: 9.02 min Scan# 973

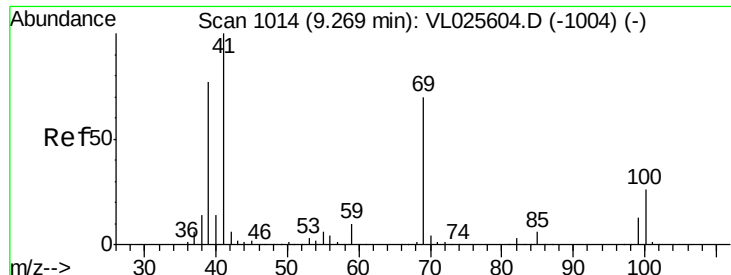
Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion:	83	Resp:	84993
Ion	Ratio	Lower	Upper
83	100		
85	60.2	51.3	76.9
127	7.7	6.0	9.0





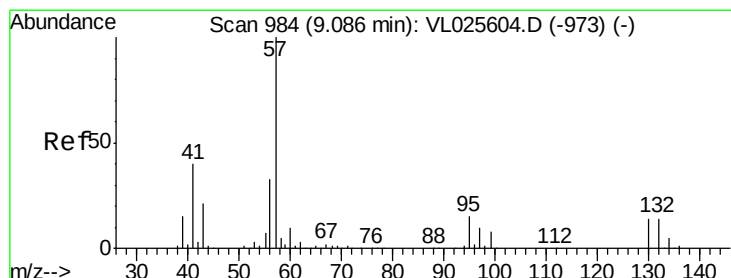
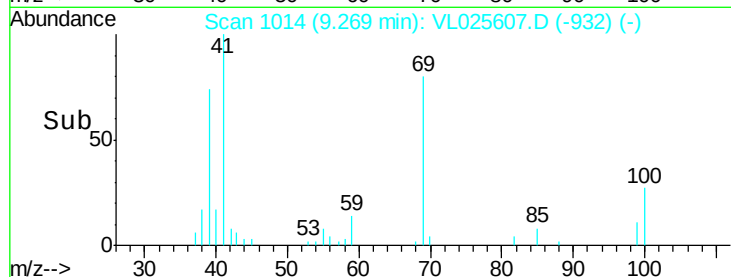
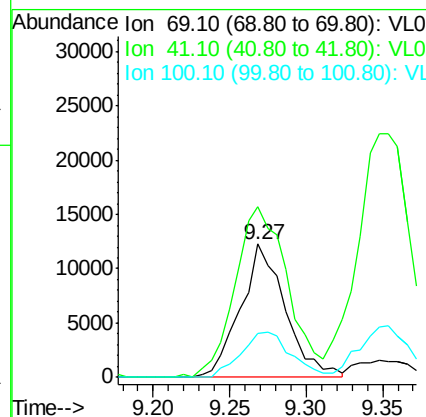
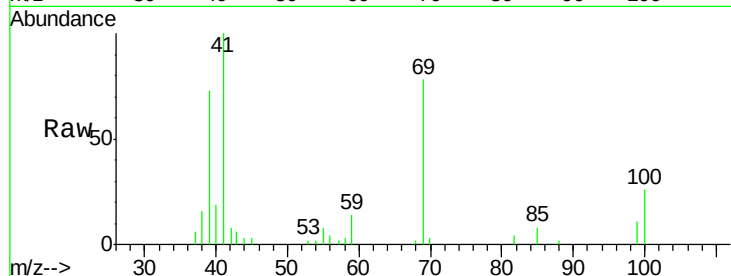
#43
Methyl Methacrylate
Concen: 0.38 ppbv
RT: 9.27 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	150.5	117.3	175.9	
100	37.5	29.0	43.6	

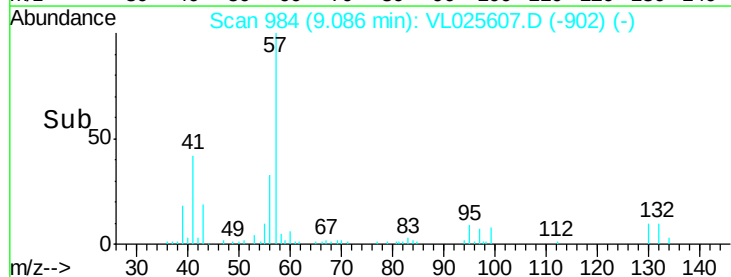
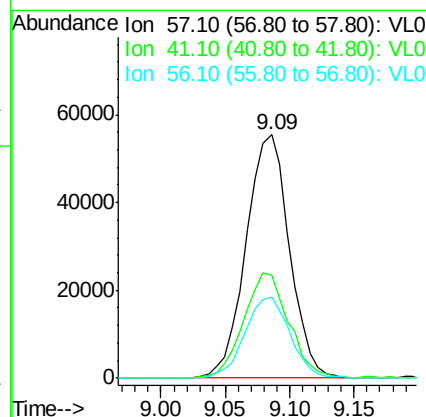
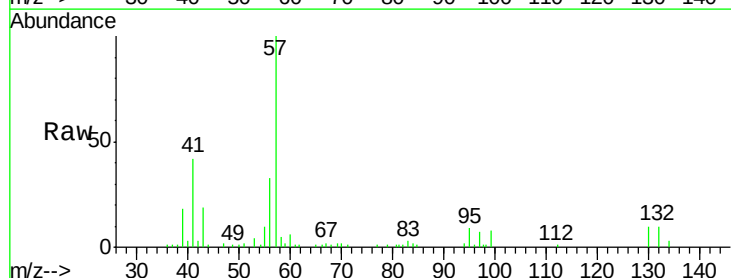
Manual Integrations
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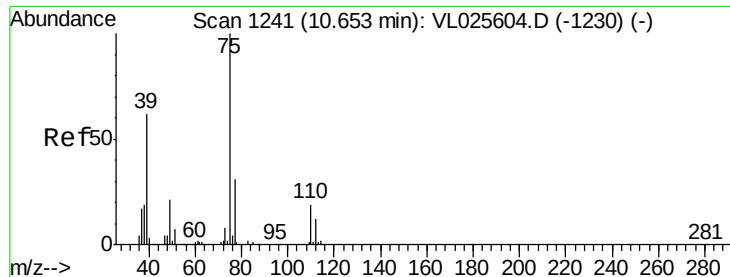
sam
7/8/2015 11:04:30 AM



#44
2,2,4-Trimethylpentane
Concen: 0.43 ppbv
RT: 9.09 min Scan# 984
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	45.1	31.2	46.8	
56	34.6	25.4	38.2	





#45

t-1,3-Dichloropropene

Concen: 0.39 ppbv

RT: 10.65 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 39258

Ion Ratio Lower Upper

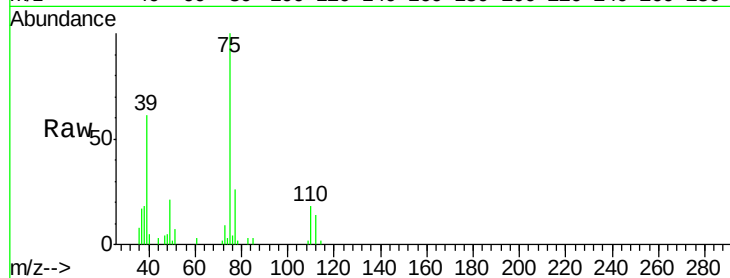
75 100

77 25.6 24.6 37.0

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.65

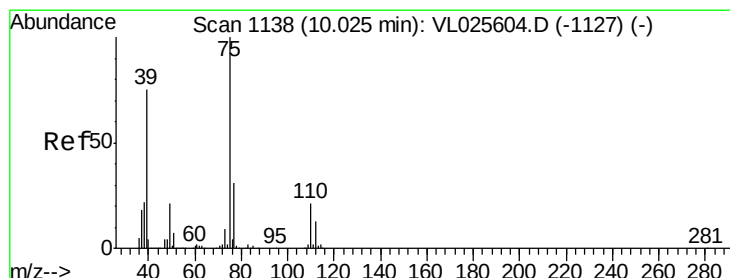
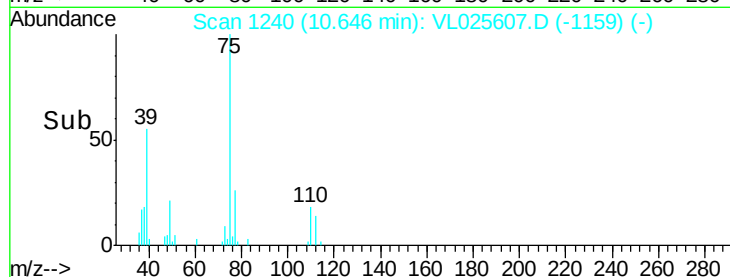
15000

10000

5000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 0.38 ppbv

RT: 10.01 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

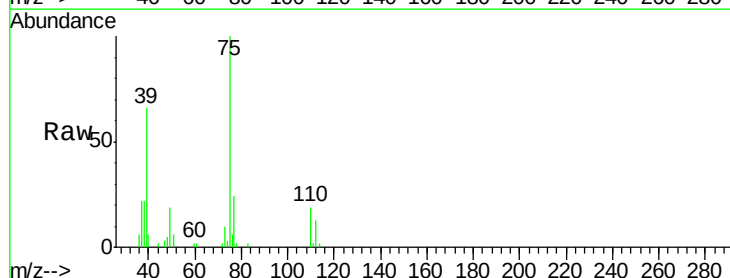
Tgt Ion: 75 Resp: 44593

Ion Ratio Lower Upper

75 100

39 66.4 60.4 90.6

77 24.2 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

25000

20000

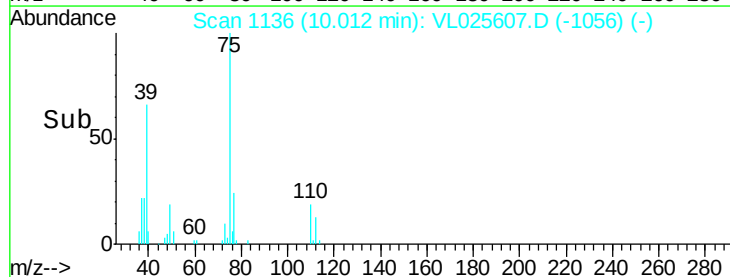
15000

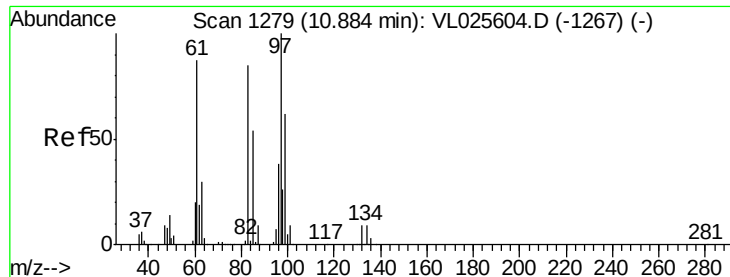
10000

5000

0

Time-->





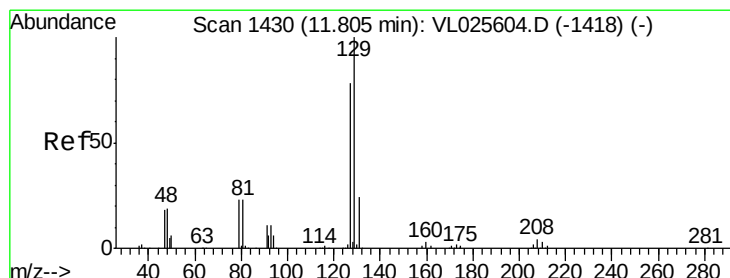
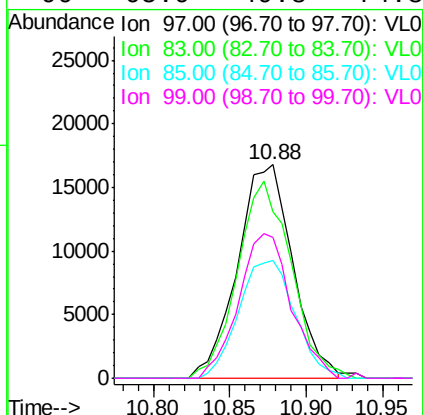
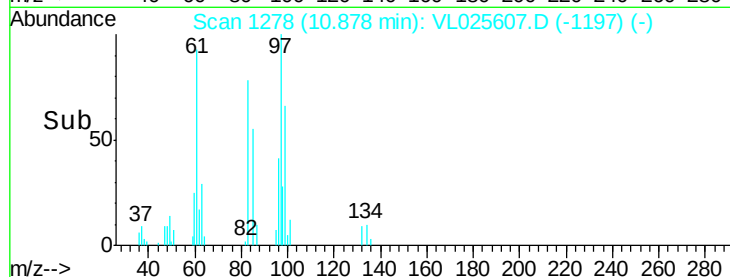
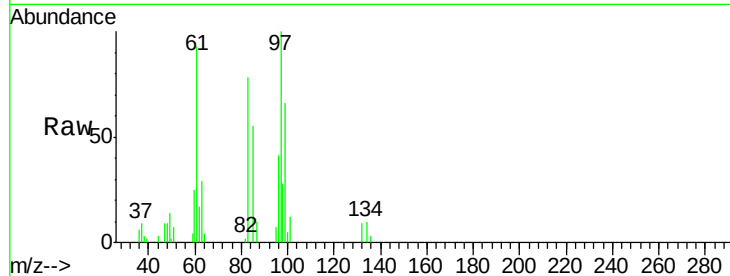
#47
 1,1,2-Trichloroethane
 Concen: 0.52 ppbv
 RT: 10.88 min Scan# 1278
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	78.2	67.8	101.8	
85	55.1	43.5	65.3	
99	65.9	49.8	74.8	

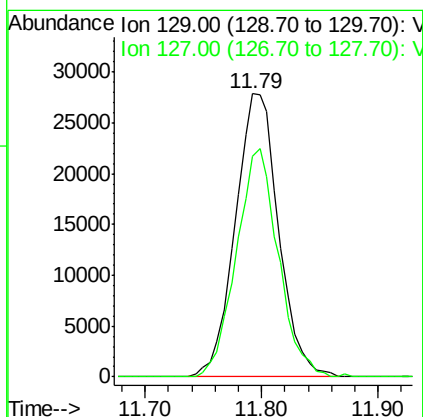
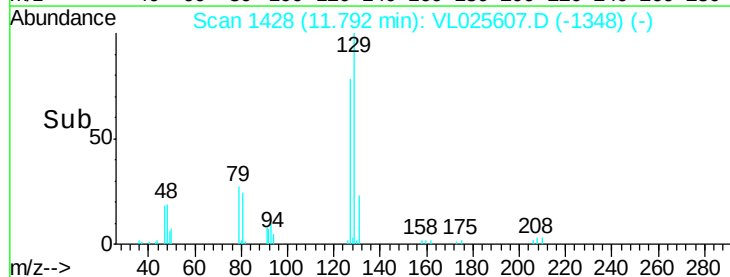
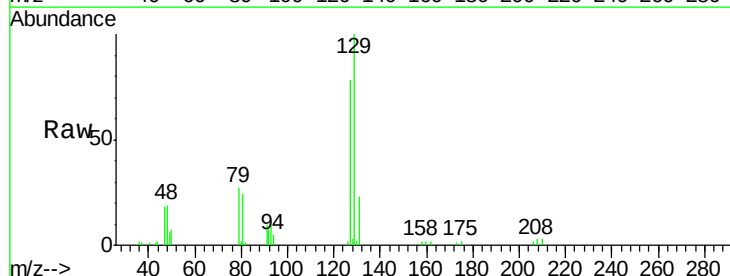
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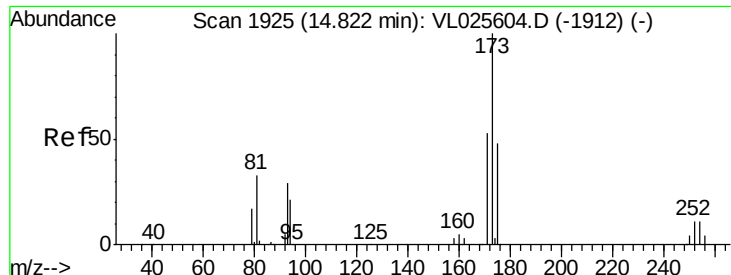
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#48
 Dibromochloromethane
 Concen: 0.55 ppbv
 RT: 11.79 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.1	39.0	116.9	





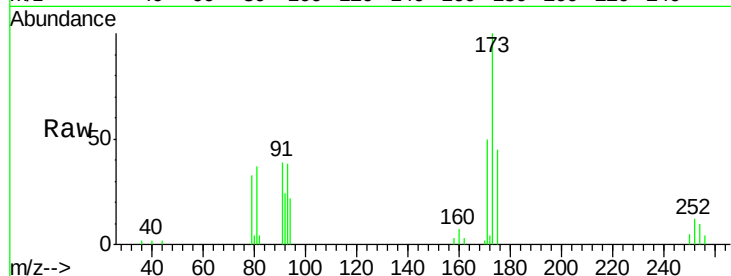
#49
Bromoform
Concen: 0.54 ppbv
RT: 14.80 min Scan# 1922
Delta R.T. -0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

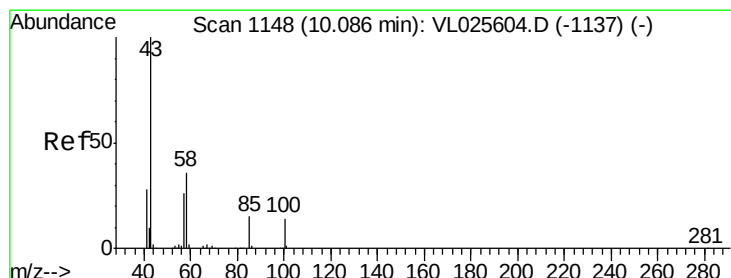
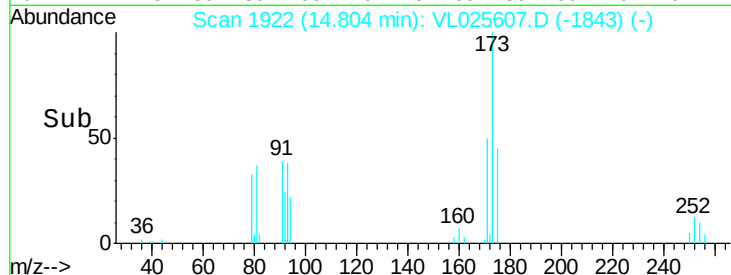
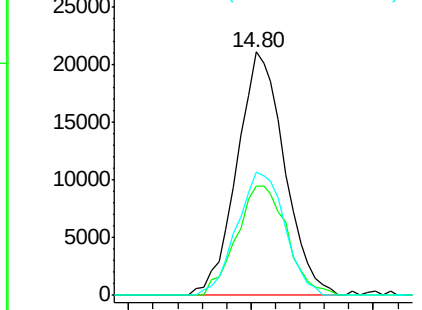
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	39.5	59.3
171	51.0	42.2	63.2

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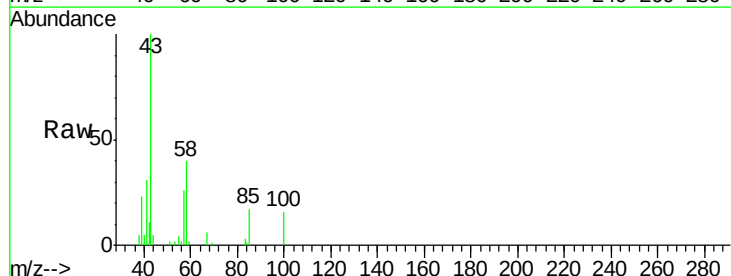


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

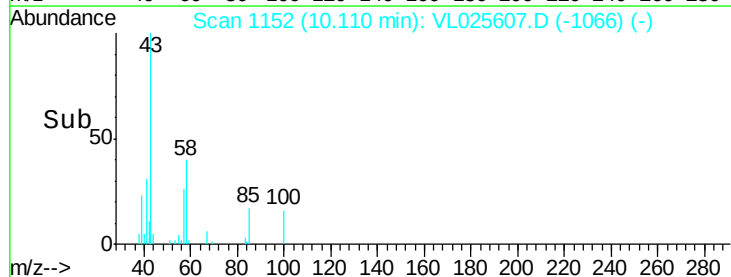
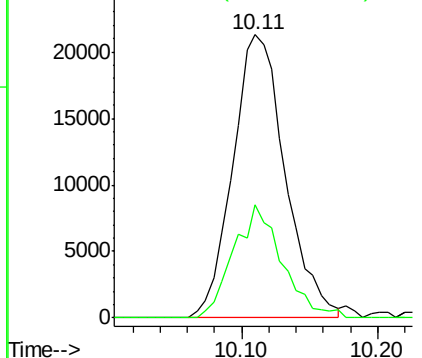


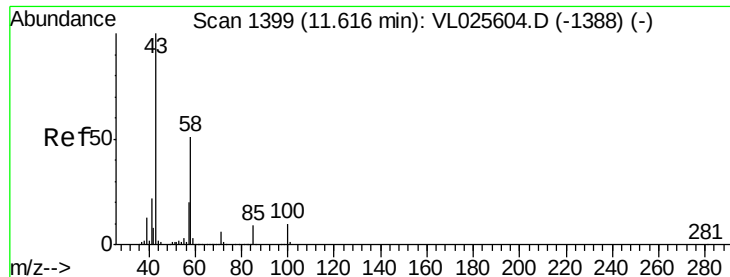
#50
4-Methyl-2-Pentanone
Concen: 0.40 ppbv
RT: 10.11 min Scan# 1152
Delta R.T. 0.02 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.0	28.5	42.7



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





#51

2-Hexanone

Concen: 0.35 ppbv

RT: 11.65 min Scan# 1404

Delta R.T. 0.03 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

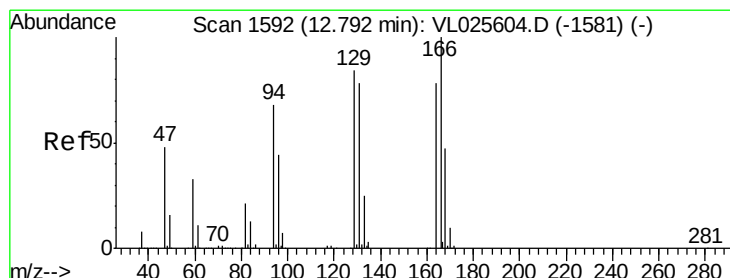
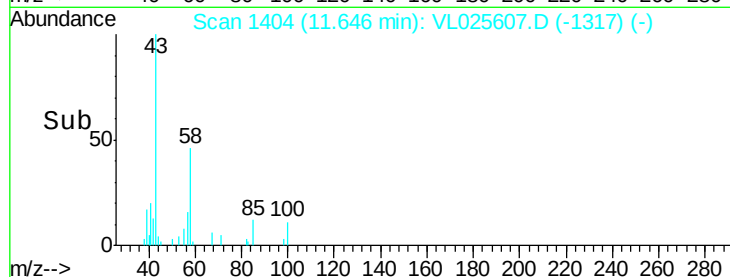
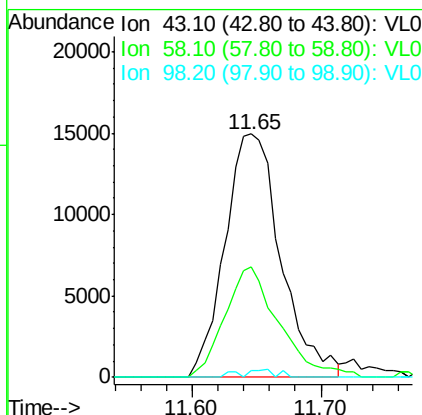
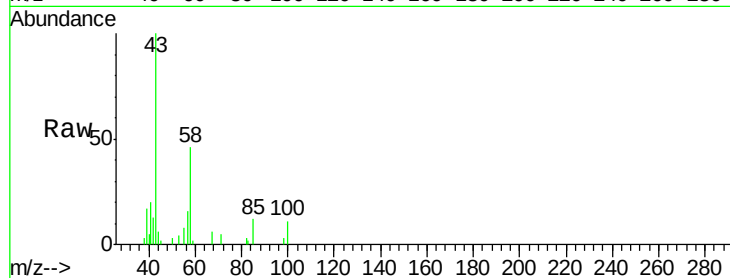
Tot Ion: 43 Resp: 45083

Ion	Ratio	Lower	Upper
43	100		
58	44.1	39.0	58.6
98	1.9	0.2	0.4

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#52

Tetrachloroethene

Concen: 0.53 ppbv

RT: 12.79 min Scan# 1592

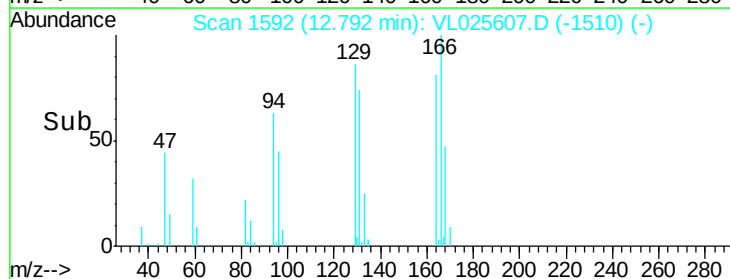
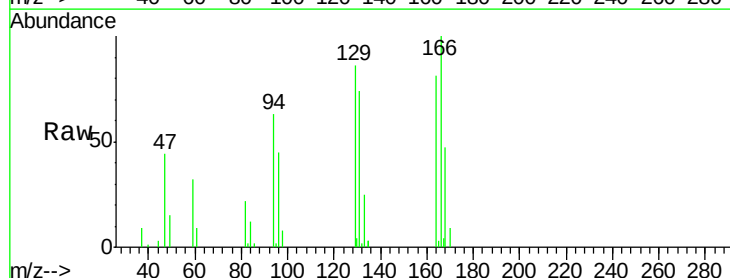
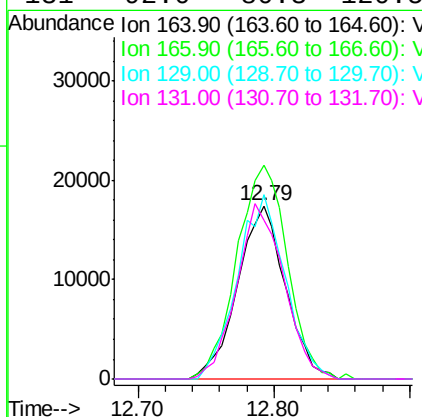
Delta R.T. -0.00 min

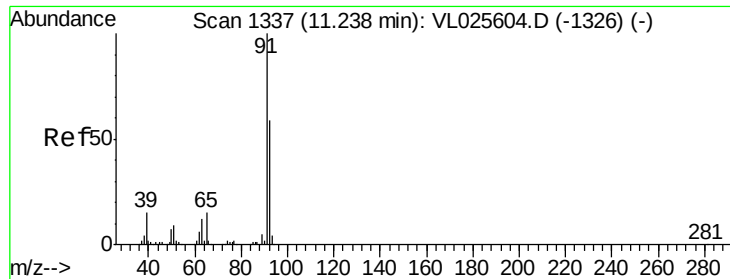
Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion: 164 Resp: 42863

Ion	Ratio	Lower	Upper
164	100		
166	123.5	102.3	153.5
129	106.4	86.2	129.4
131	92.0	80.3	120.5





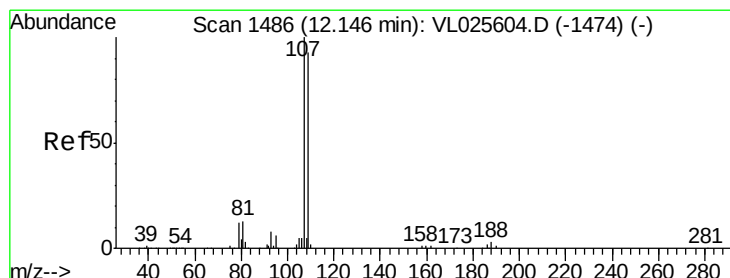
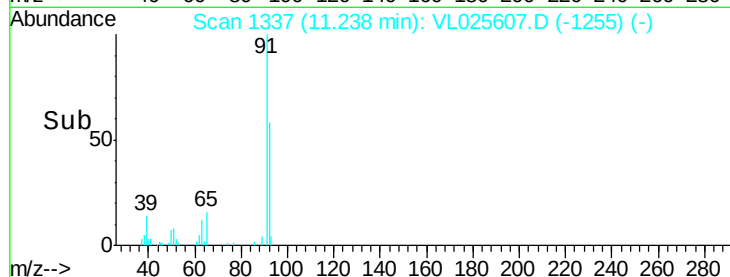
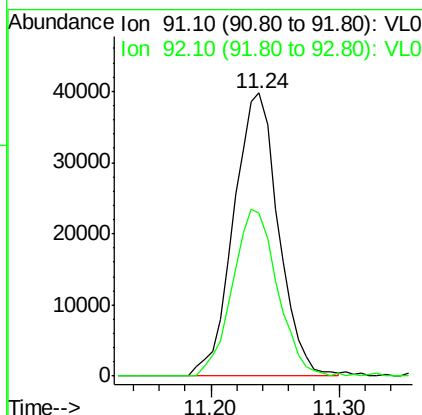
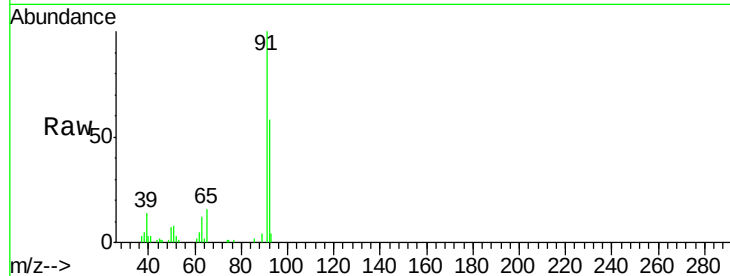
#53
Toluene
Concen: 0.42 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 95880
Ion Ratio Lower Upper
91 100
92 59.4 48.2 72.2

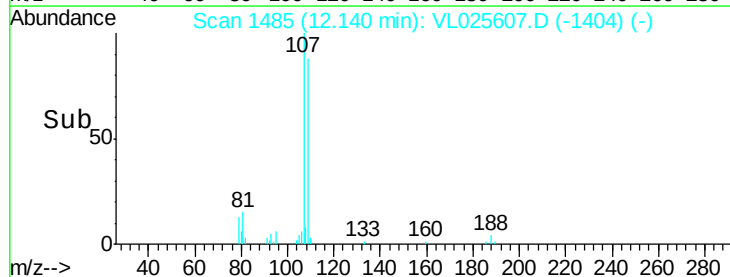
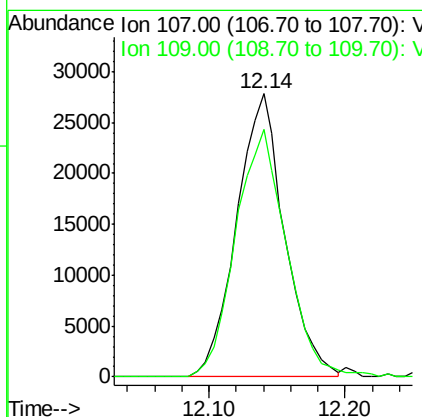
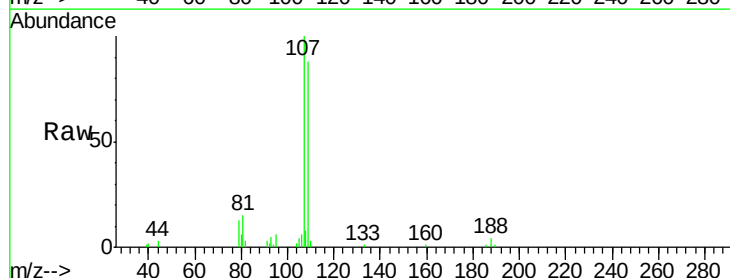
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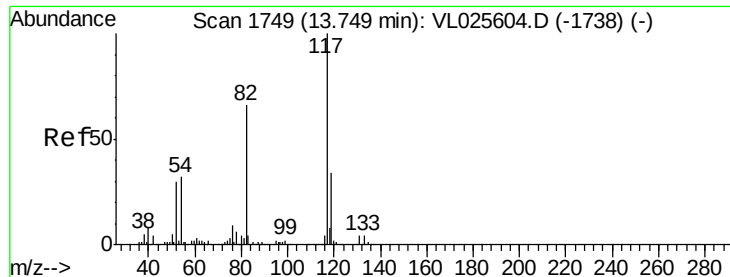
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#54
1,2-Dibromoethane
Concen: 0.55 ppbv
RT: 12.14 min Scan# 1485
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion: 107 Resp: 68596
Ion Ratio Lower Upper
107 100
109 87.6 74.1 111.1





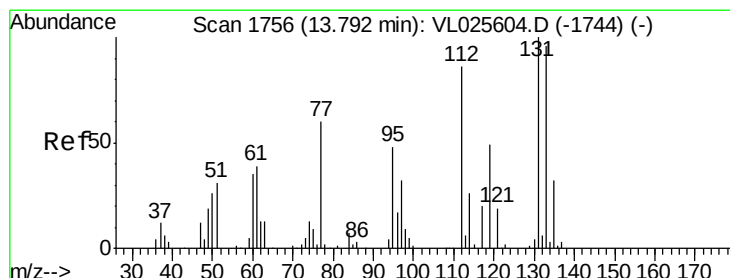
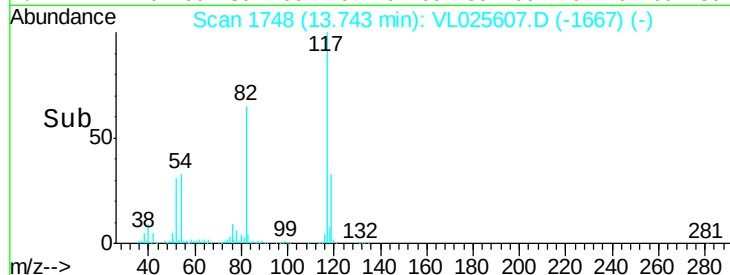
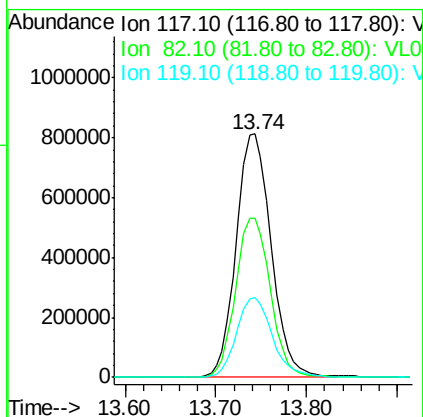
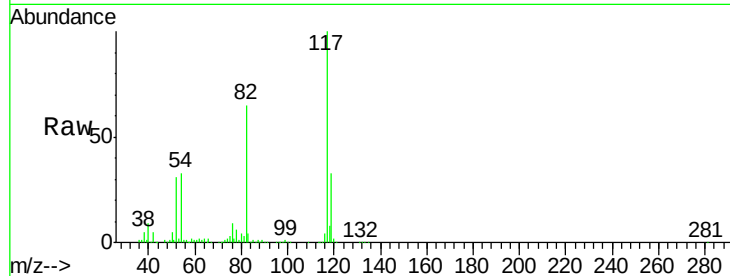
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 2183094
Ion Ratio Lower Upper
117 100
82 65.2 50.5 75.7
119 33.9 45.1 67.7#

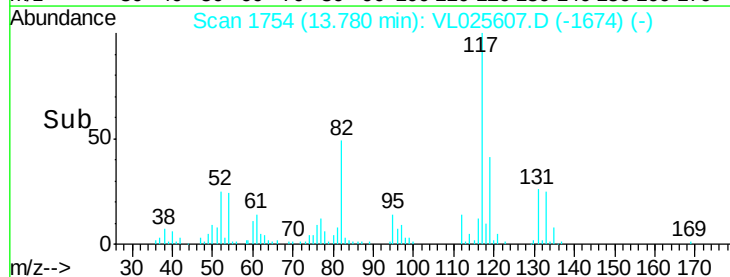
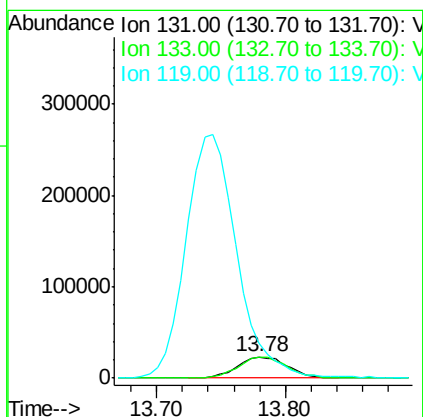
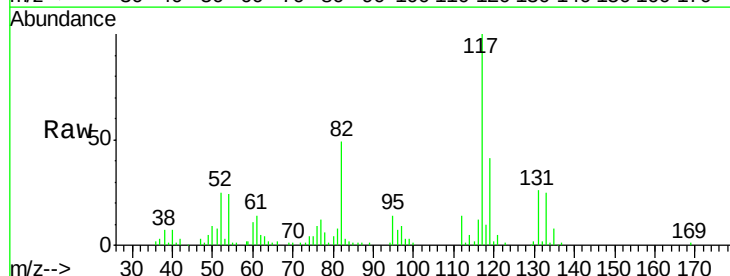
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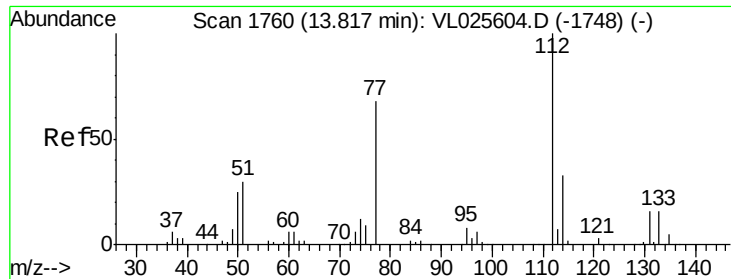
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.60 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion:131 Resp: 62715
Ion Ratio Lower Upper
131 100
133 98.0 76.9 115.3
119 1182.0 97.8 146.8#





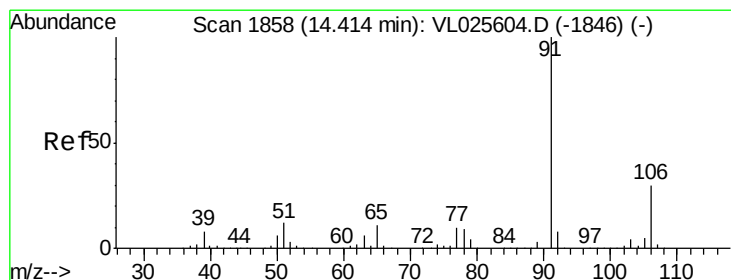
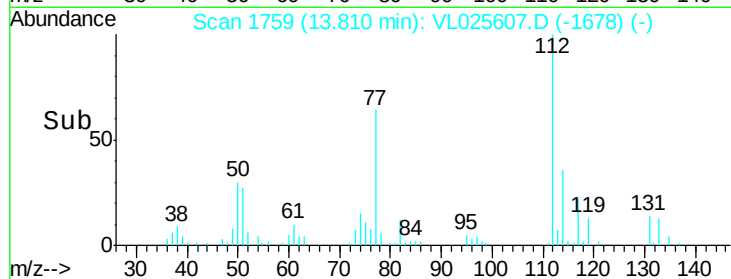
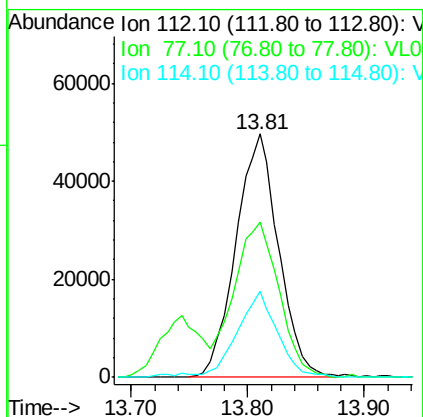
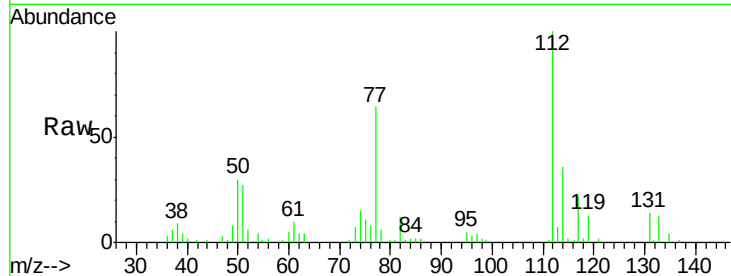
#57
Chlorobenzene
Concen: 0.59 ppbv
RT: 13.81 min Scan# 1759
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.7	55.2	82.8
114	35.6	29.4	36.0

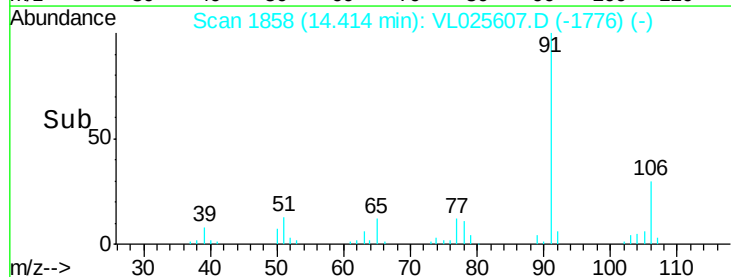
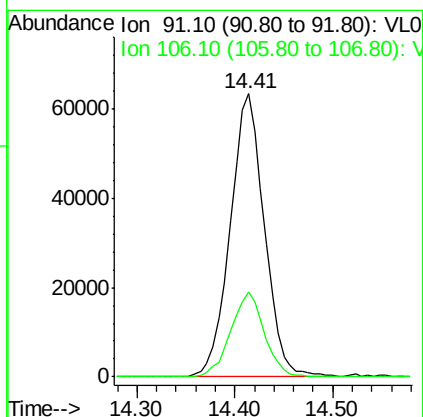
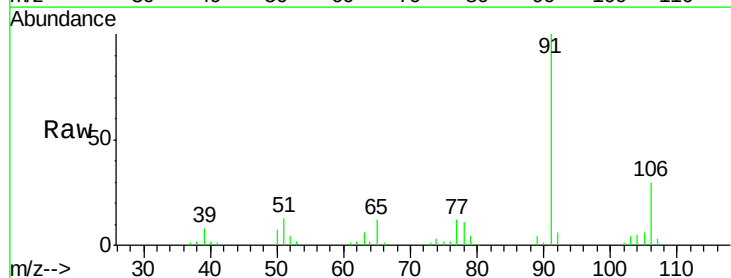
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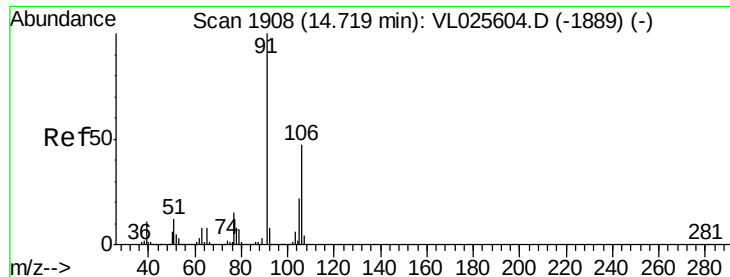
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#58
Ethyl Benzene
Concen: 0.44 ppbv
RT: 14.41 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2





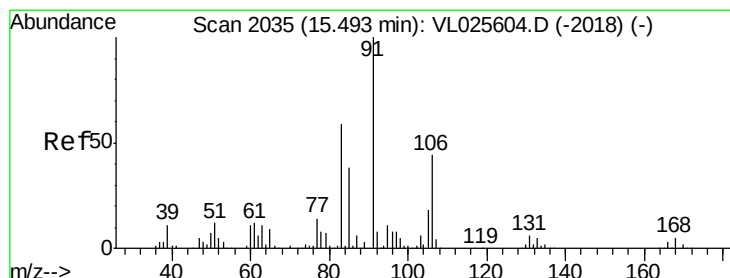
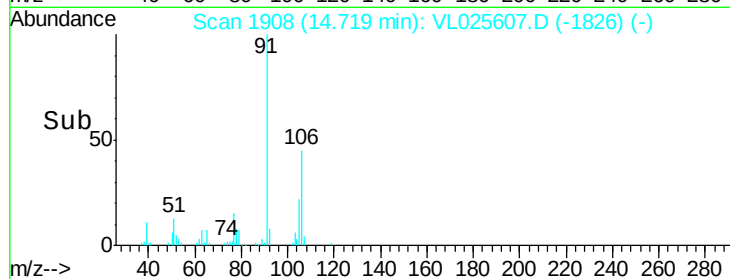
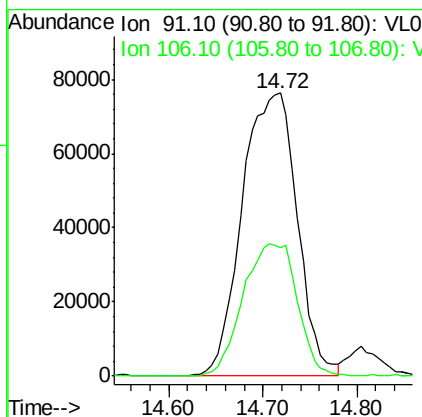
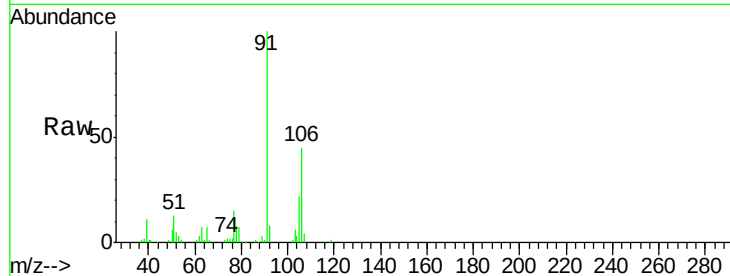
#59
m/p-Xylene
Concen: 1.07 ppbv
RT: 14.72 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	91.10 (90.80 to 91.80): VL0	Resp	311297
Ion Ratio	Lower	Upper	
91	100		
106	46.3	37.9	56.9

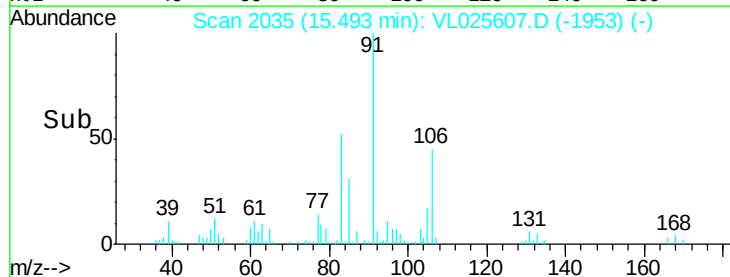
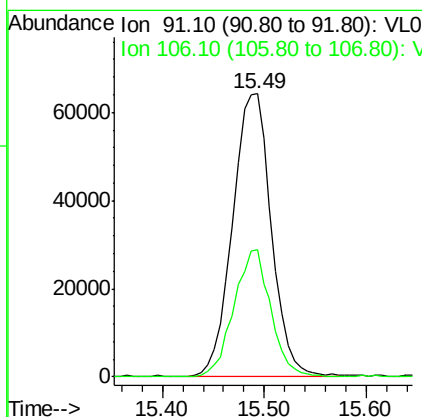
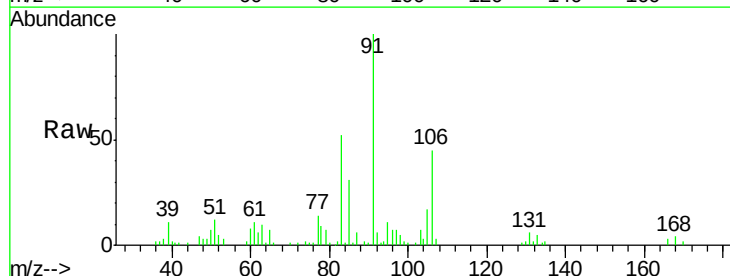
Manual Integrations
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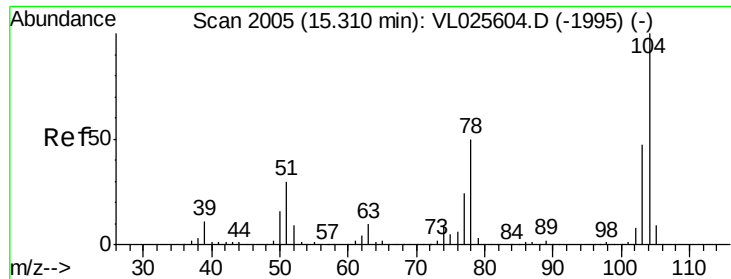
sam
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#60
o-Xylene
Concen: 0.55 ppbv
RT: 15.49 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	91.10 (90.80 to 91.80): VL0	Resp	169533
Ion Ratio	Lower	Upper	
91	100		
106	42.6	22.1	66.1





#61

Stvrene

Concen: 0.34 ppbv

RT: 15.31 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

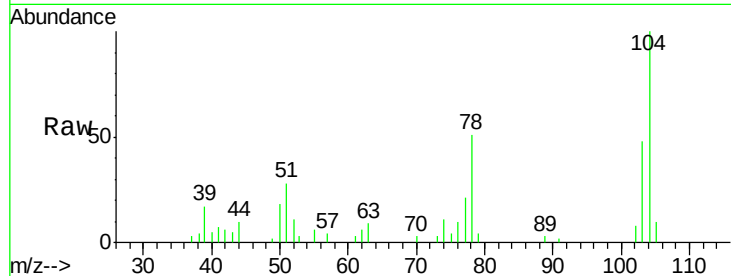
ClientSampleId :

VSTDIC0.5

Tot Ion:	104	Resp:	39912
Ion Ratio	Lower	Upper	
104	100		
78	52.8	40.2	60.4
103	47.6	37.4	56.2

Manual Integrations
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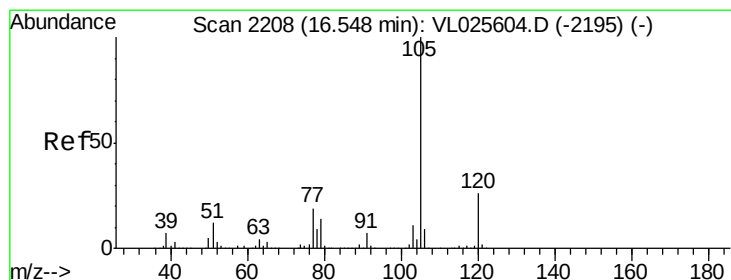
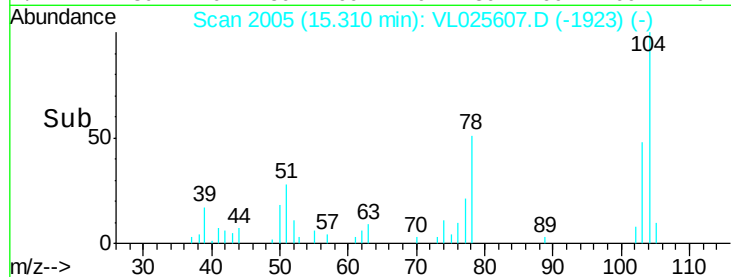
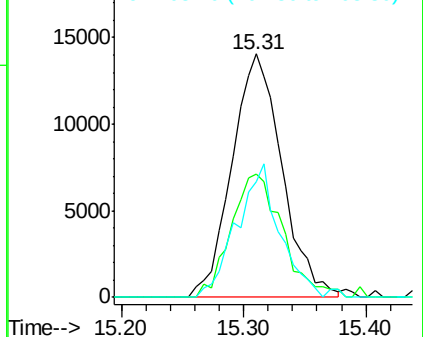
sam
7/8/2015 11:04:30 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.54 ppbv

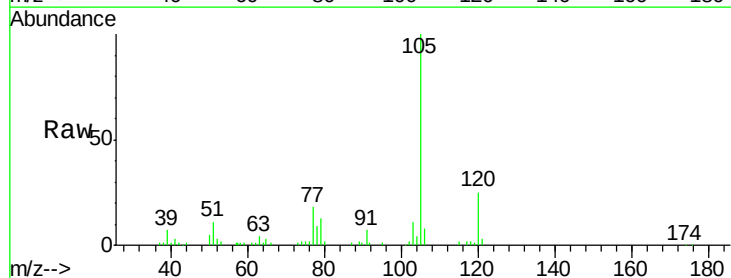
RT: 16.54 min Scan# 2207

Delta R.T. -0.01 min

Lab File: VL025607.D

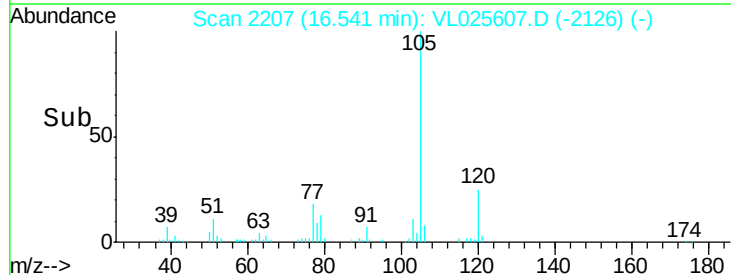
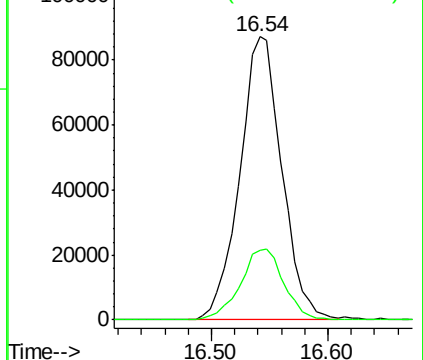
Acq: 7 Jul 2015 12:32

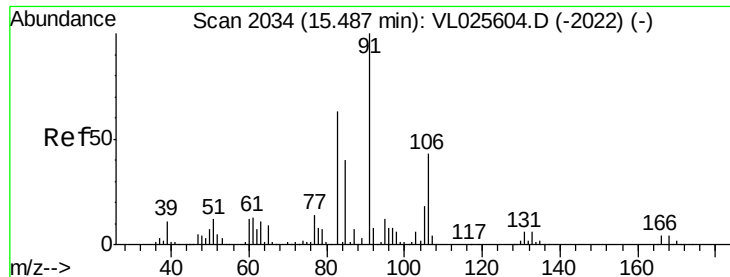
Tgt Ion:	105	Resp:	218987
Ion Ratio	Lower	Upper	
105	100		
120	25.7	20.6	31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





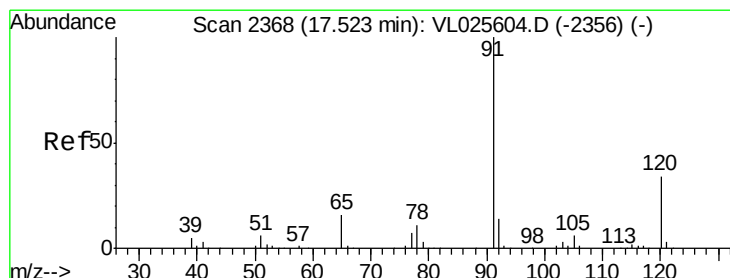
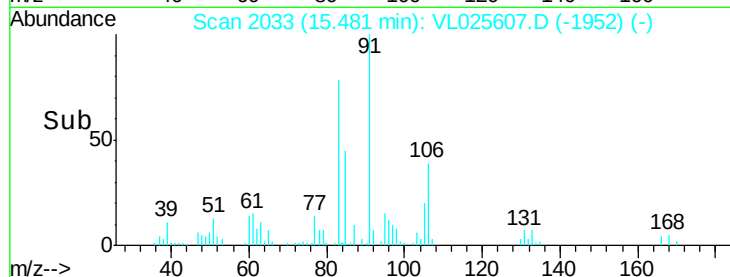
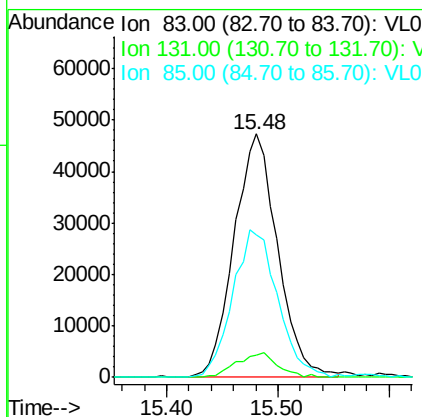
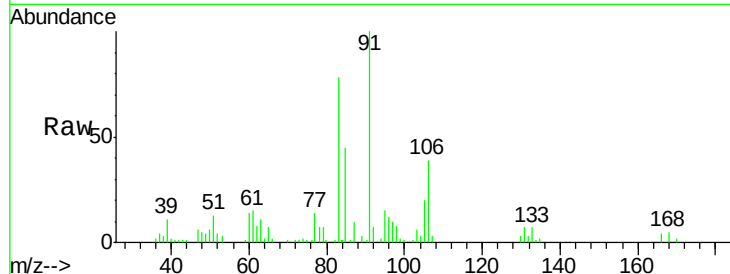
#63
1,1,2,2-Tetrachloroethane
Concen: 0.59 ppbv
RT: 15.48 min Scan# 2033
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	128697
Ion Ratio	100	Lower	Upper
131	9.4	4.8	14.4
85	62.7	32.4	97.2

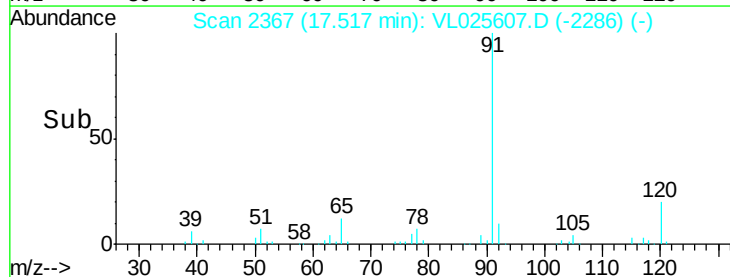
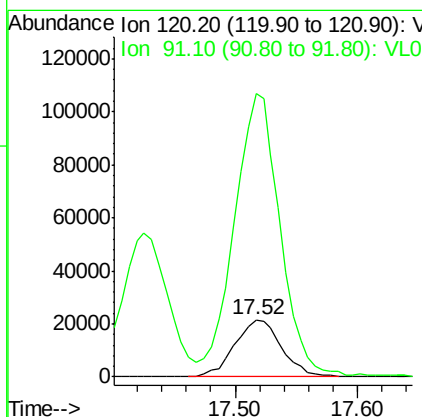
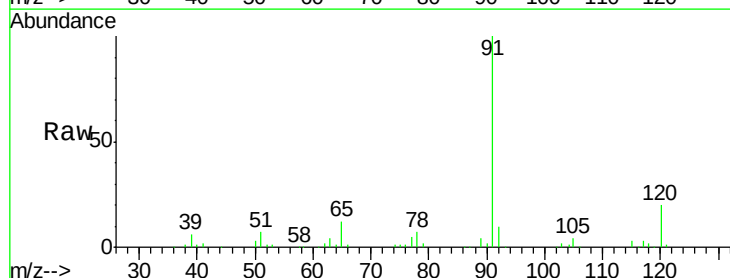
Manual Integrations
APPROVED

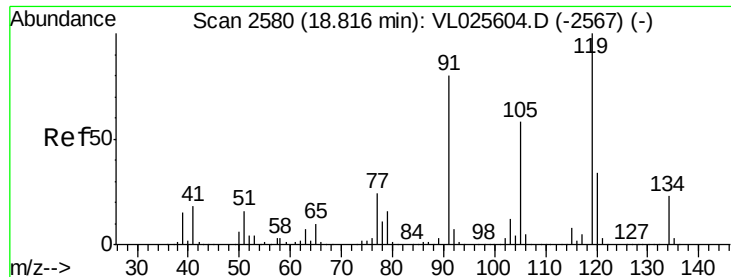
sam
7/8/2015 11:04:30 AM



#64
n-propylbenzene
Concen: 0.53 ppbv
RT: 17.52 min Scan# 2367
Delta R.T. -0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	120	Resp	57177
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	483.2	370.5	555.7





#65

tert-Butylbenzene

Concen: 0.57 ppbv

RT: 18.81 min Scan# 2579

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

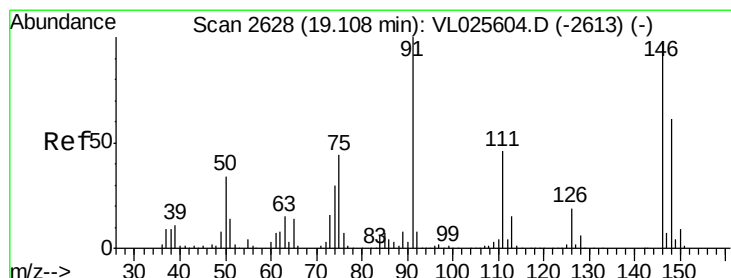
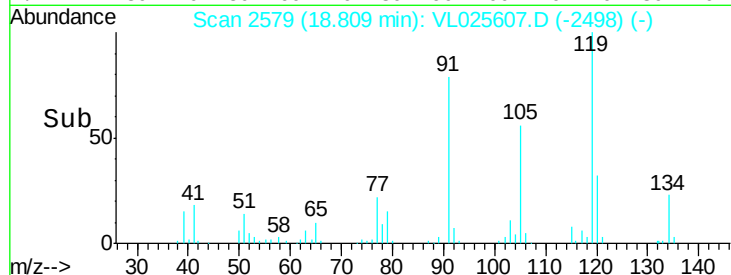
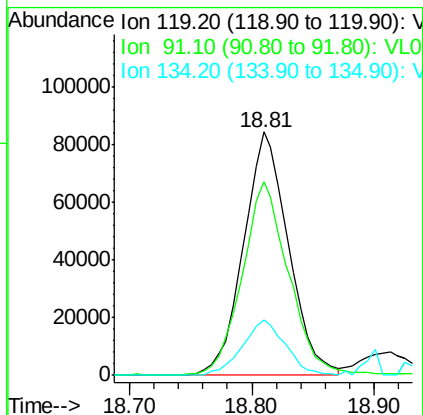
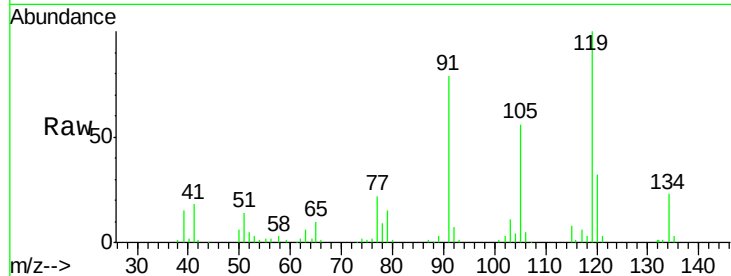
ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	215237
Ion Ratio	Lower	Upper	
119	100		
91	83.1	64.5	96.7
134	21.8	17.4	26.0

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.52 ppbv

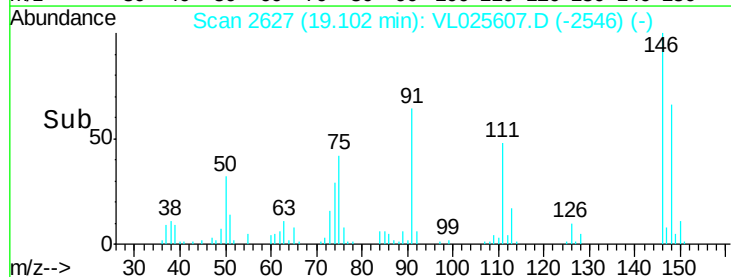
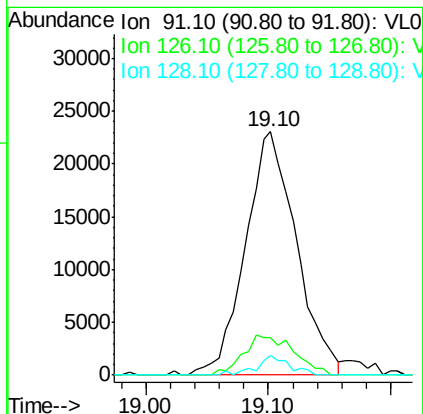
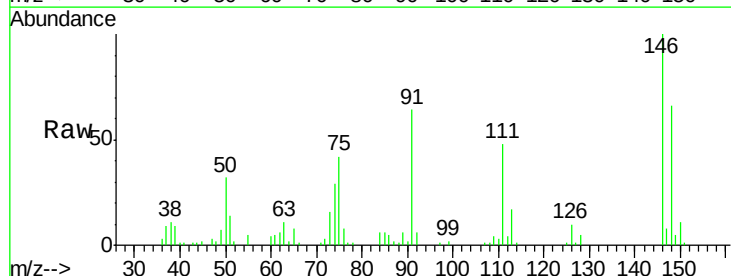
RT: 19.10 min Scan# 2627

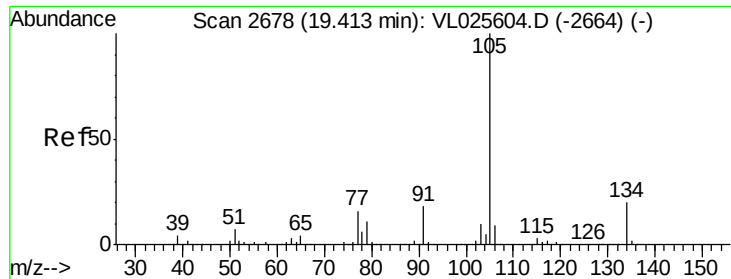
Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion:	91	Resp:	66700
Ion Ratio	Lower	Upper	
91	100		
126	16.3	14.5	21.7
128	5.2	4.6	7.0





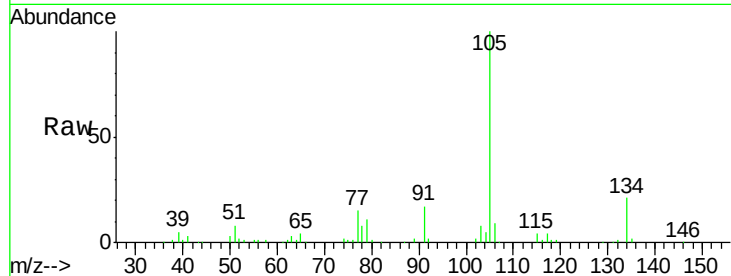
#67
 sec-Butylbenzene
 Concen: 0.56 ppbv
 RT: 19.41 min Scan# 2677
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

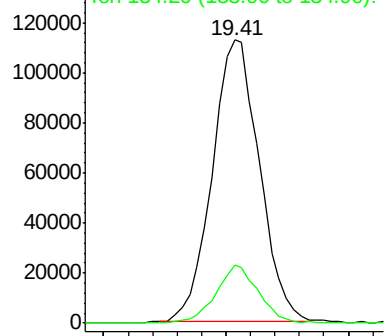
Tot Ion: 105 Resp: 300200
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.4 23.2

Manual Integrations
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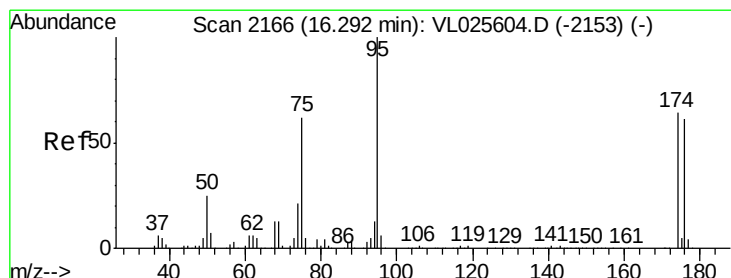
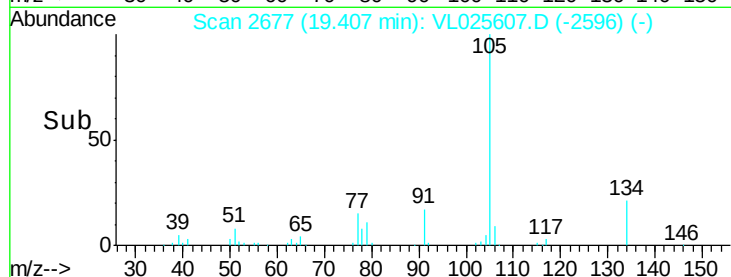
sam
 7/8/2015 11:04:30 AM



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 134.20 (133.90 to 134.90): V

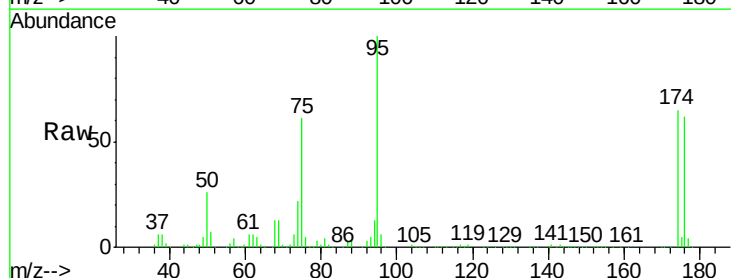


Time--> 19.30 19.40 19.50

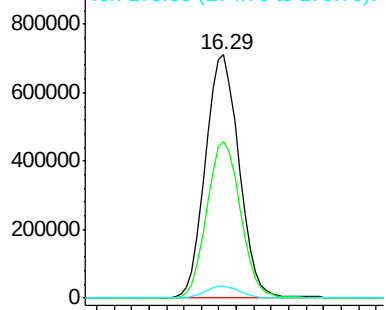


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.60 ppbv
 RT: 16.29 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

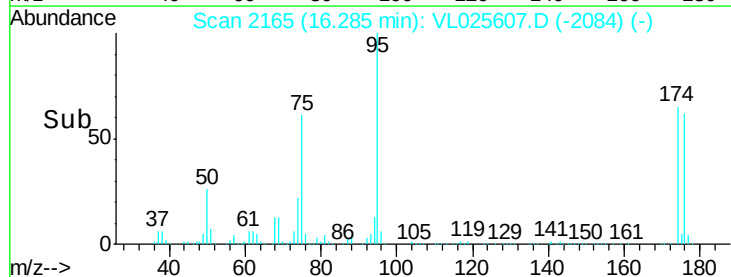
Tgt Ion: 95 Resp: 1911587
 Ion Ratio Lower Upper
 95 100
 174 64.8 52.0 78.0
 175 4.9 3.9 5.9

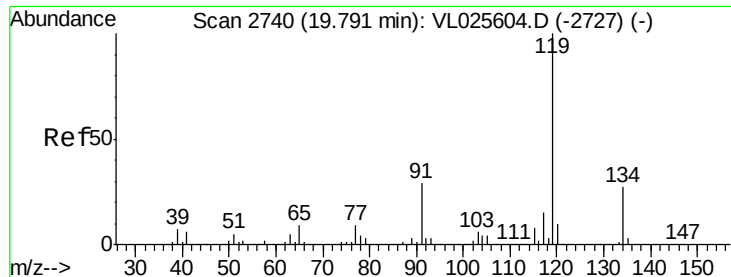


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V



Time--> 16.20 16.30 16.40





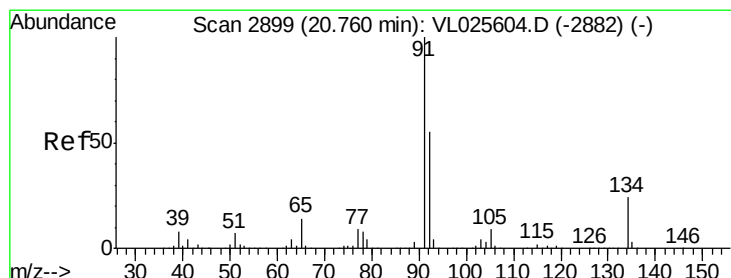
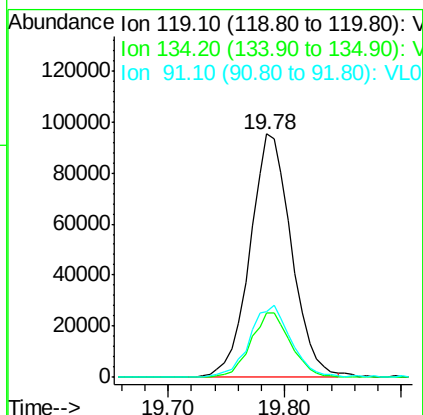
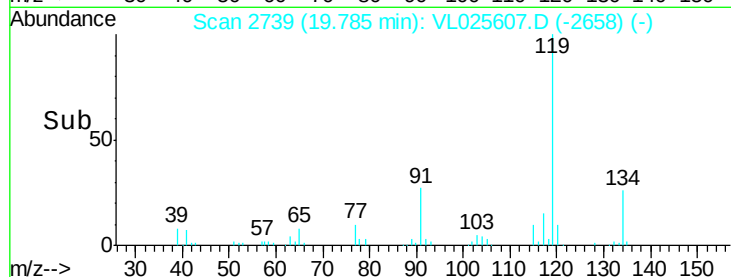
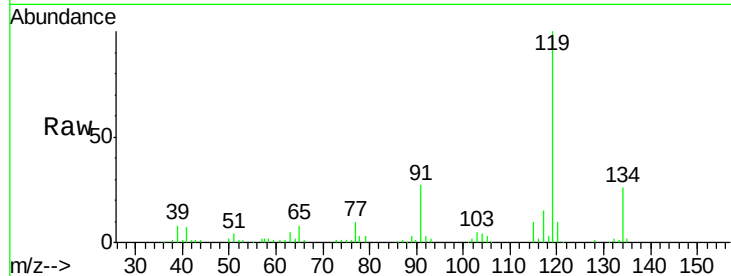
#69
 p-Isopropyltoluene
 Concen: 0.54 ppbv
 RT: 19.78 min Scan# 2739
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235080		
134	25.7	20.7	31.1	
91	30.0	22.6	34.0	

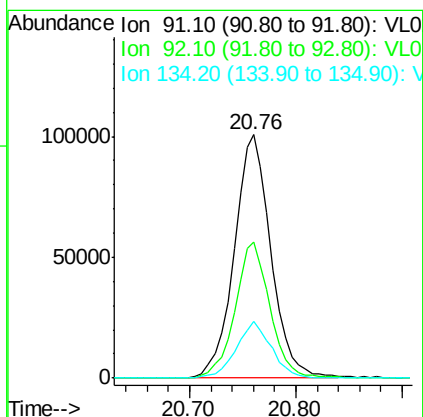
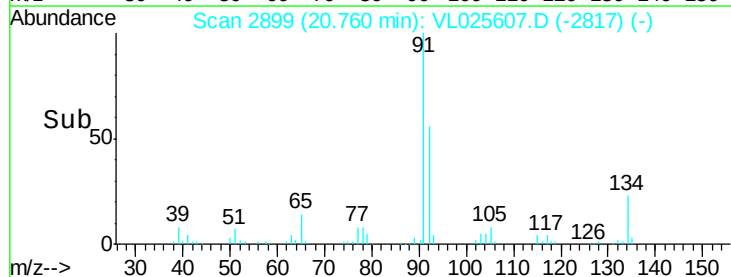
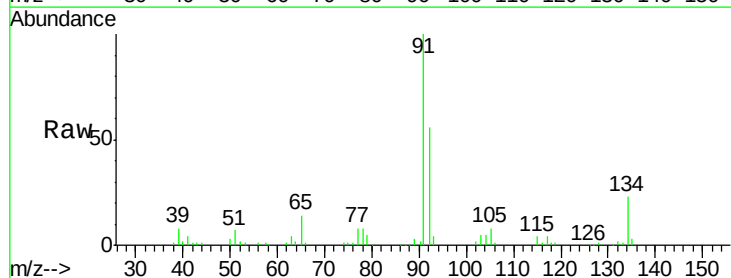
Manual Integrations
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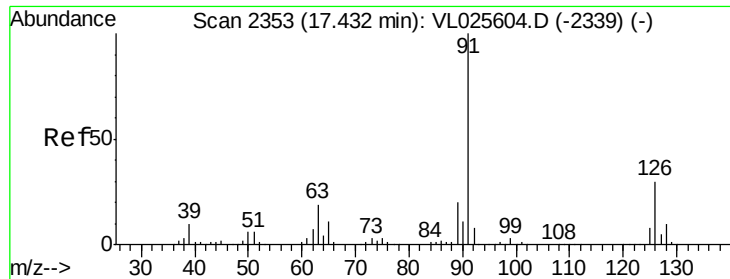
sam
 7/8/2015 11:04:30 AM



#70
 n-Butylbenzene
 Concen: 0.58 ppbv
 RT: 20.76 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	243313		
92	53.0	44.3	66.5	
134	22.3	19.4	29.2	





#71

2-Chlorotoluene

Concen: 0.47 ppbv

RT: 17.43 min Scan# 2352

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 143371

Ion Ratio Lower Upper

91 100

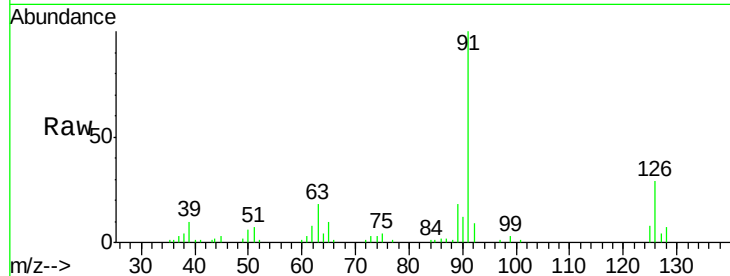
126 30.0 12.2 49.0

Manual Integrations

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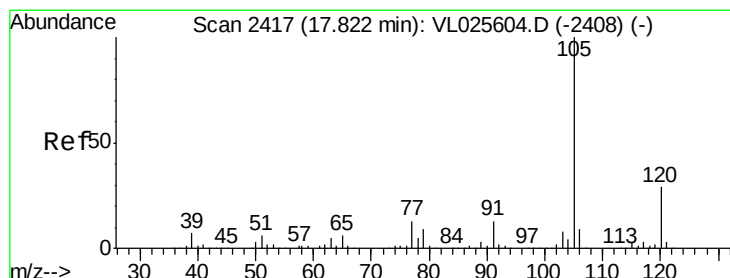
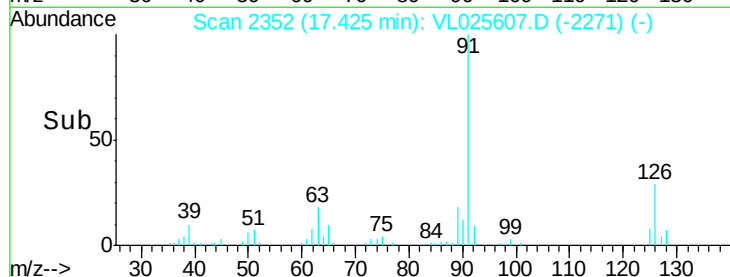
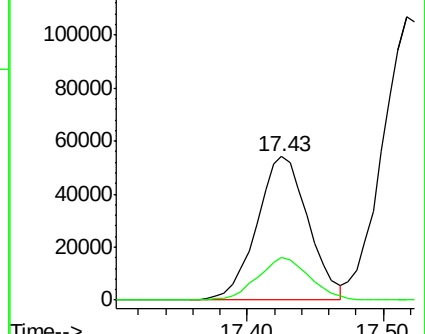
sam

7/8/2015 11:04:30 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.50 ppbv

RT: 17.82 min Scan# 2417

Delta R.T. -0.00 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion: 105 Resp: 167807

Ion Ratio Lower Upper

105 100

120 29.2 23.9 35.9

91 15.8 10.3 15.5#

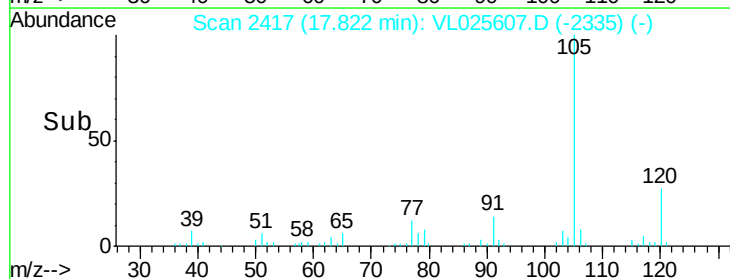
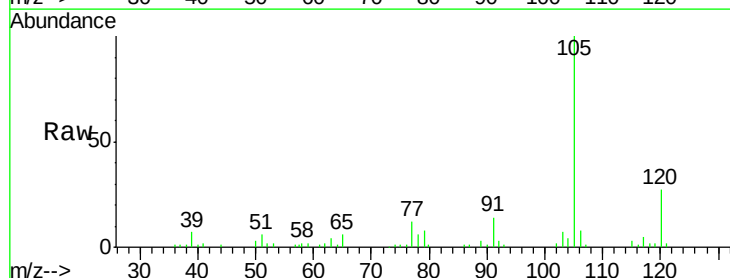
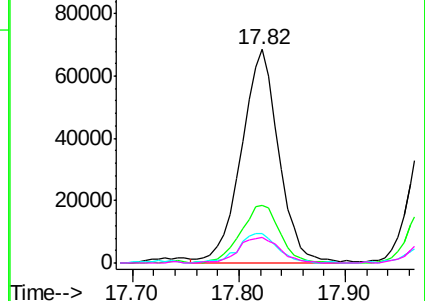
77 13.3 10.9 16.3

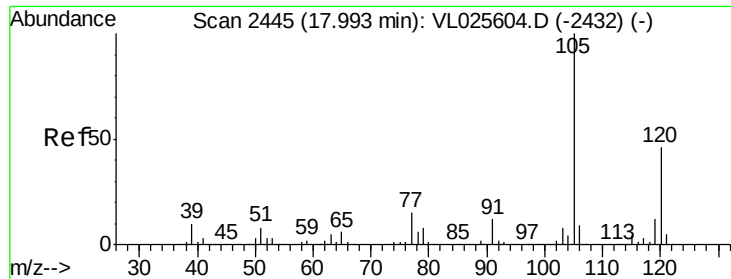
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





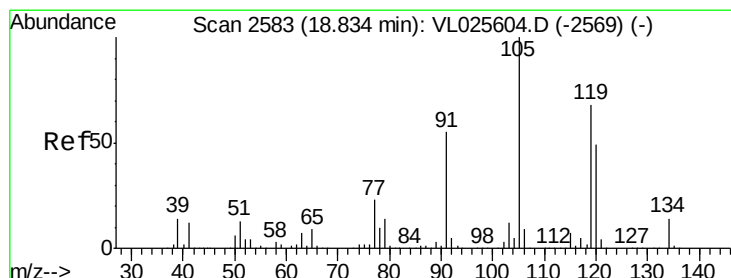
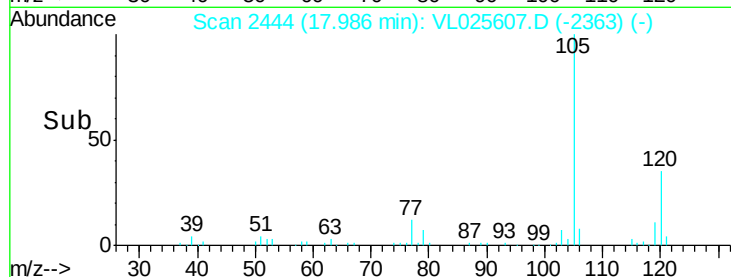
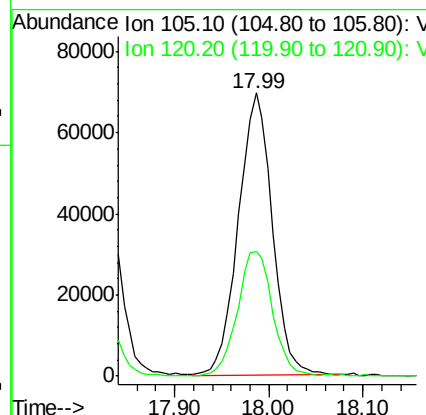
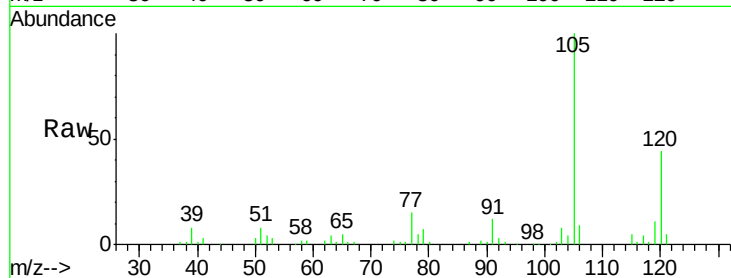
#73
 1,3,5-Trimethylbenzene
 Concen: 0.54 ppbv
 RT: 17.99 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.2	37.0	55.4

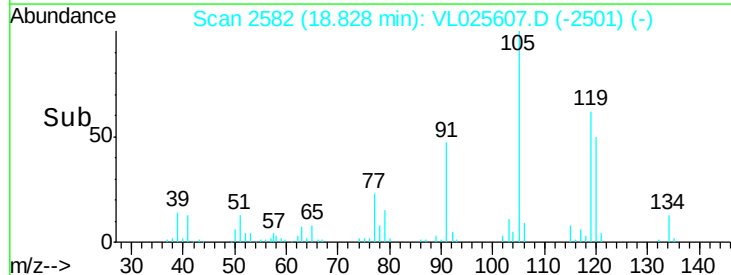
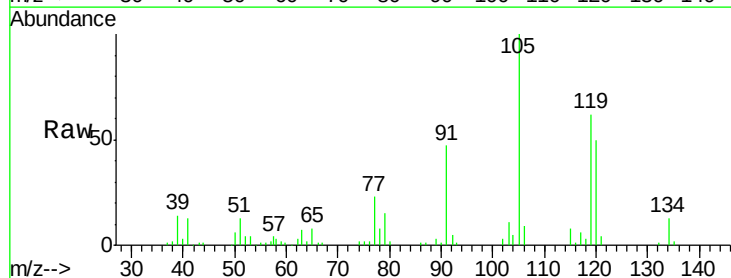
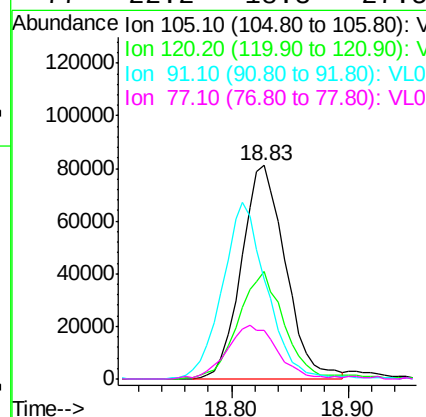
Manual Integrations
 APPROVED

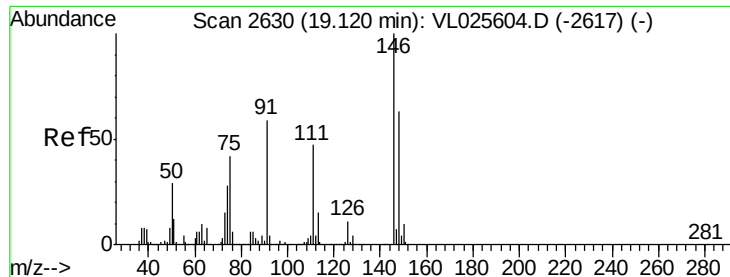
sam
 7/8/2015 11:04:30 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.61 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.5	39.3	58.9
91	45.6	43.8	65.6
77	22.2	18.3	27.5





#75

1,3-Dichlorobenzene

Concen: 0.67 ppbv

RT: 19.11 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Instrument :

MSVOA_L

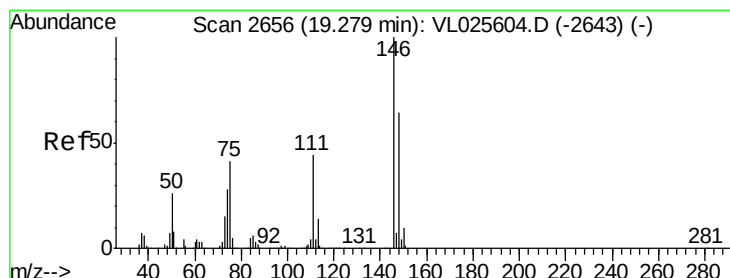
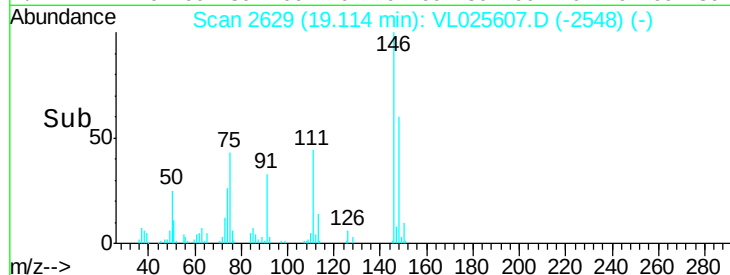
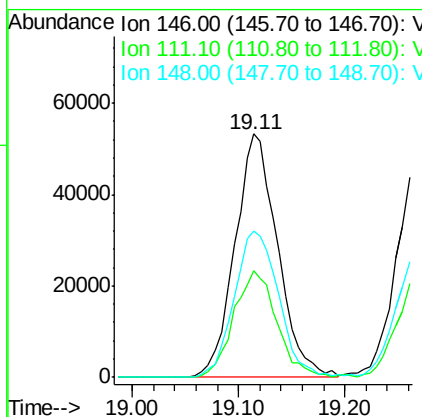
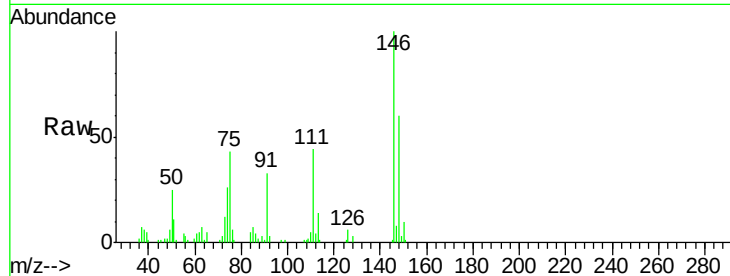
ClientSampleId :

VSTDIC0.5

Tot Ion:	146	Resp:	149460
Ion Ratio	Lower	Upper	
146	100		
111	44.3	22.7	68.1
148	62.8	31.8	95.3

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 0.64 ppbv

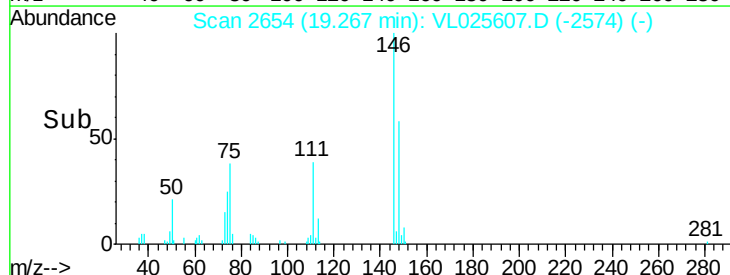
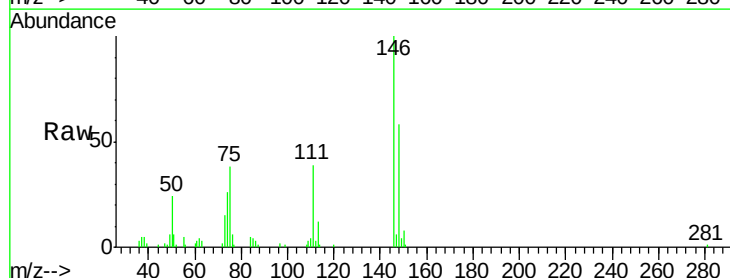
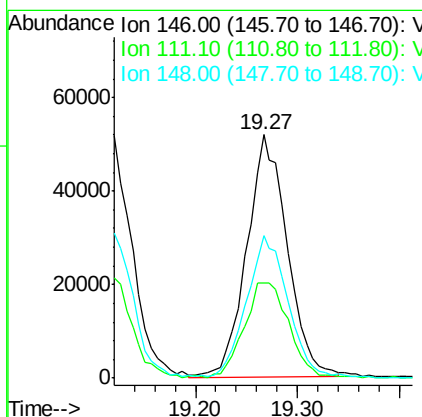
RT: 19.27 min Scan# 2654

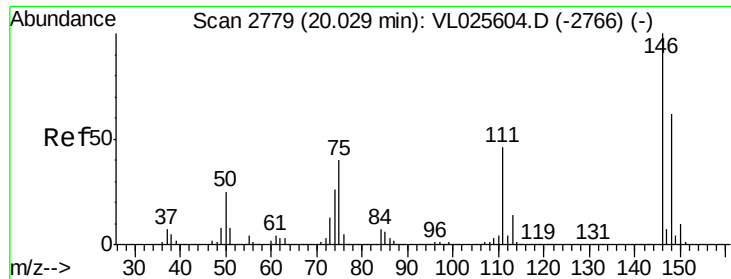
Delta R.T. -0.01 min

Lab File: VL025607.D

Acq: 7 Jul 2015 12:32

Tgt Ion:	146	Resp:	143177
Ion Ratio	Lower	Upper	
146	100		
111	43.8	22.1	66.1
148	60.6	31.9	95.9





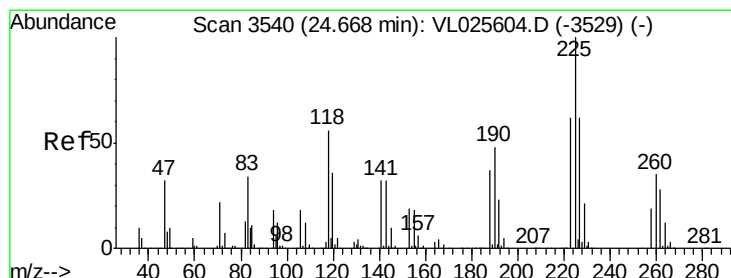
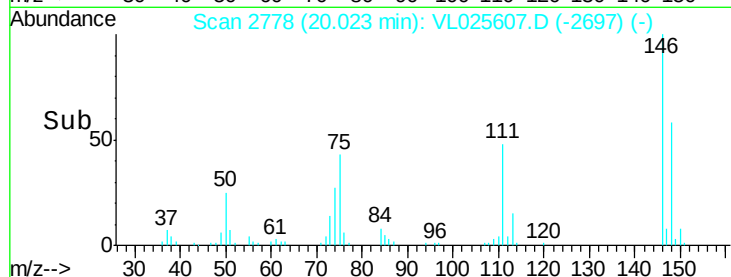
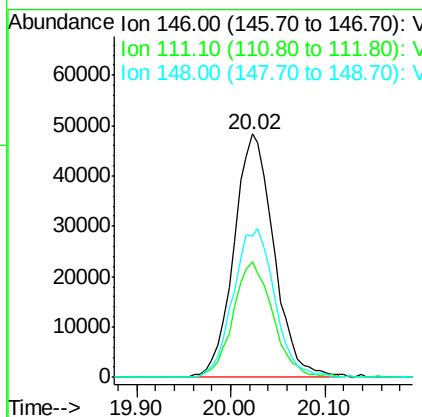
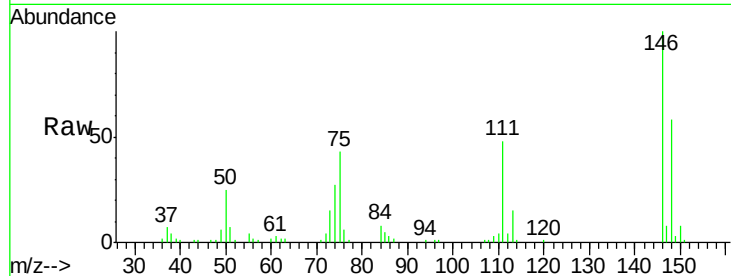
#77
 1,2-Dichlorobenzene
 Concen: 0.64 ppbv
 RT: 20.02 min Scan# 2778
 Delta R.T. -0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.4	70.3
148	63.6	31.6	94.8

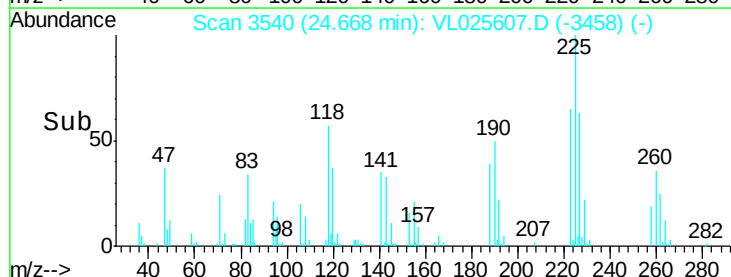
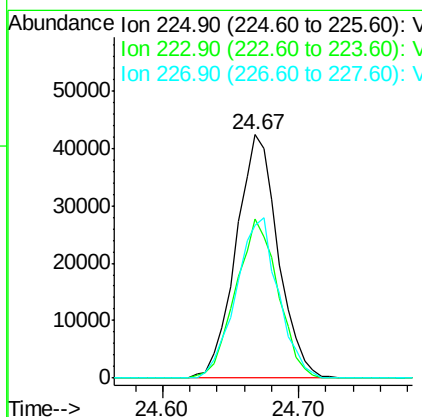
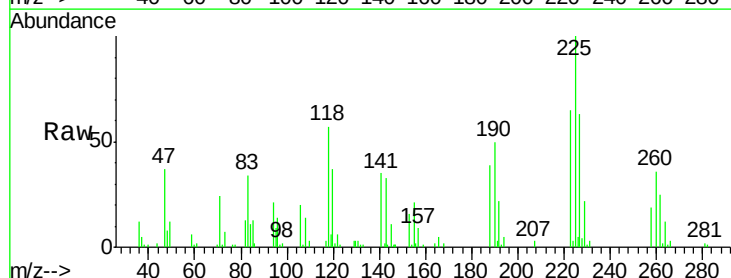
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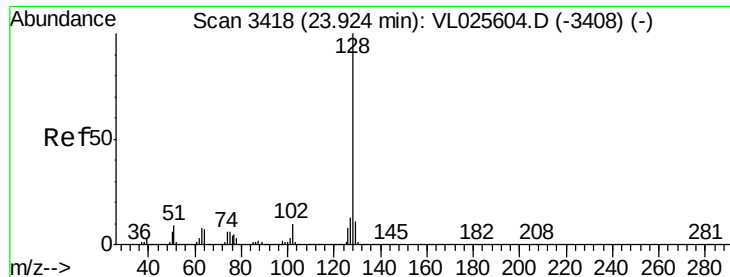
sam
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.80 ppbv
 RT: 24.67 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	50.6	76.0
227	66.2	50.5	75.7





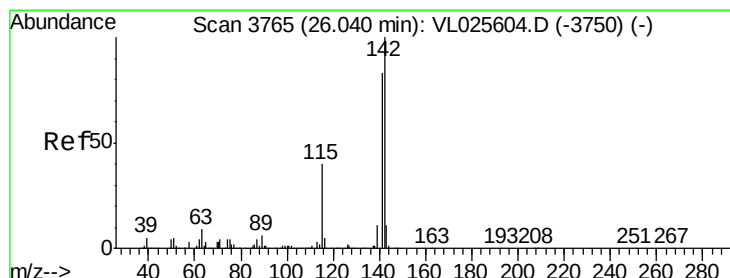
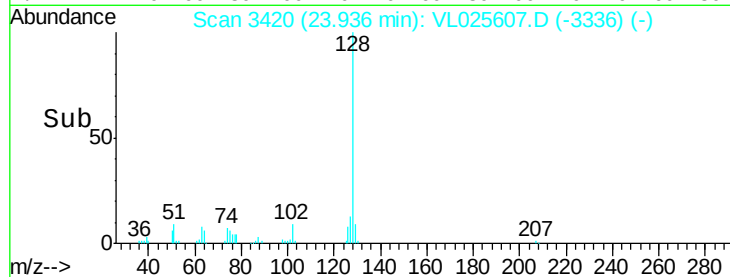
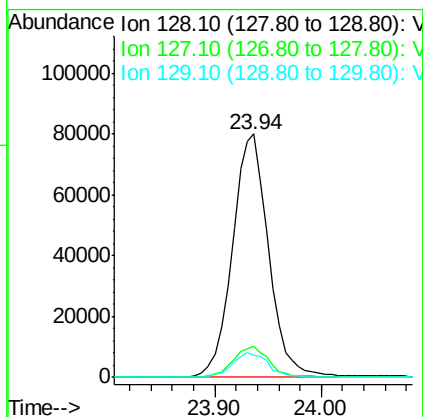
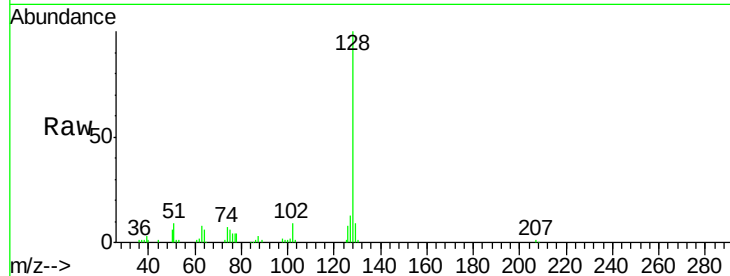
#79
Naphthalene
Concen: 0.66 ppbv
RT: 23.94 min Scan# 3420
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
128	100	189932		
127	12.6	10.8	16.2	
129	9.1	9.0	13.4	

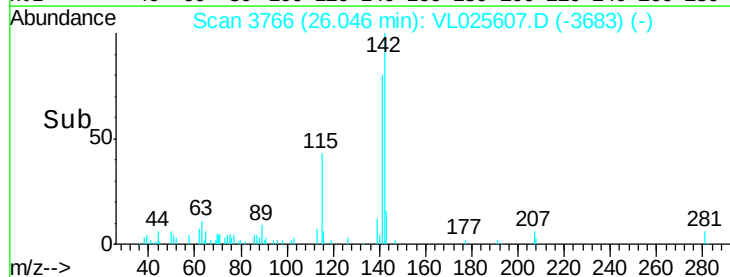
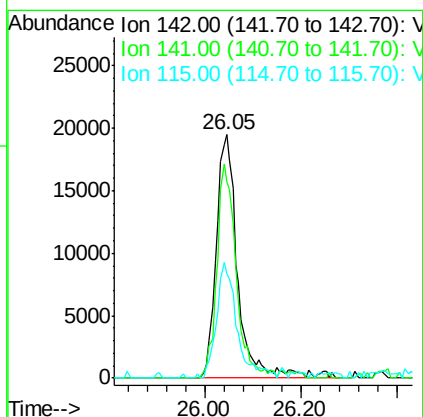
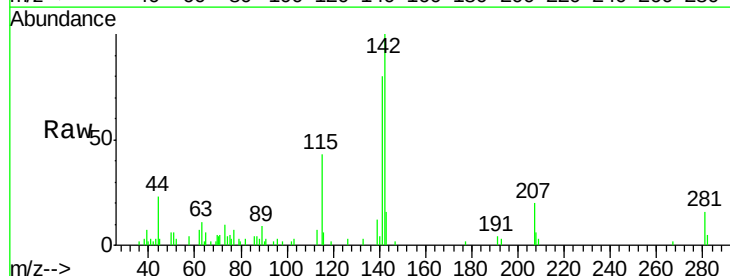
Manual Integrations
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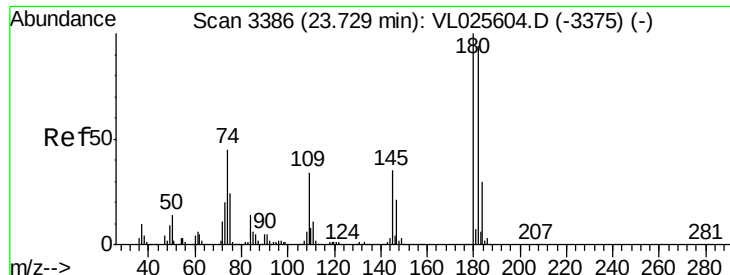
sam
7/8/2015 11:04:30 AM



#80
Naphthalene, 2-methyl-
Concen: 0.82 ppbv
RT: 26.05 min Scan# 3766
Delta R.T. 0.01 min
Lab File: VL025607.D
Acq: 7 Jul 2015 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	60371		
141	78.7	67.1	100.7	
115	45.2	33.9	50.9	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.71 ppbv
 RT: 23.74 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: VL025607.D
 Acq: 7 Jul 2015 12:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	32.3	24.4	36.6

Manual Integrations
 APPROVED

sam
 7/8/2015 11:04:30 AM

