

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025605.D
 Acq On : 7 Jul 2015 11:13
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICC002

Manual Integrations
 APPROVED

sam
 7/8/2015 11:04:25 AM

Quant Time: Jul 07 13:14:48 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	702402	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1935652	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2530178	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.29	95	2058947	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.64	85	340960	2.09	ppbv	99
3) Chlorodifluoromethane	3.56	51	218436	2.59	ppbv	97
4) Chloromethane	3.75	50	99920	2.28	ppbv	98
5) Vinyl Chloride	3.89	62	108102	2.21	ppbv	92
6) Bromomethane	4.14	94	84231	2.54	ppbv	97
7) Chloroethane	4.23	64	50010	2.47	ppbv	100
8) Dichlorotetrafluoroethane	3.80	85	344521	2.62	ppbv	99
9) Propene	3.59	41	74073	2.10	ppbv	98
10) Heptane	9.35	43	288987	2.30	ppbv	97
11) Trichlorofluoromethane	4.69	101	499838	2.91	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.30	101	284524	2.74	ppbv	98
13) Ethanol	4.32	45	13597	2.14	ppbv	96
14) Bromoethene	4.45	108	96075	2.60	ppbv	99
15) Acetone	4.60	43	271498	2.62	ppbv	93
16) 1,3-Butadiene	3.96	39	110223	2.42	ppbv	98
17) tert-Butyl alcohol	5.12	59	225484	2.55	ppbv	97
18) 1,1-Dichloroethene	5.08	96	111286	2.60	ppbv	92
19) Isopropyl Alcohol	4.75	45	113924	2.42	ppbv #	99
20) Methylene Chloride	5.14	84	105526	2.35	ppbv	89
21) Allyl Chloride	5.22	41	164952	2.44	ppbv	97
22) trans-1,2-Dichloroethene	5.76	96	114786	2.30	ppbv	94
23) Vinyl Acetate	5.98	43	419820	2.31	ppbv	98
24) 1,1-Dichloroethane	5.90	63	273542	2.32	ppbv	99
25) Ethyl Acetate	6.67	43	411495	2.21	ppbv	98
26) Hexane	6.65	57	200222	2.28	ppbv	98
27) Carbon Disulfide	5.39	76	307982	2.54	ppbv	96
28) Methyl tert-Butyl Ether	5.95	73	388408	2.38	ppbv	100
29) Chloroform	6.74	83	371834	2.55	ppbv	98
30) Cyclohexane	8.27	84	187731	2.35	ppbv	88
31) cis-1,2-Dichloroethene	6.51	61	195184	2.32	ppbv	97
32) 1,1,1-Trichloroethane	7.59	97	413697	2.52	ppbv	99
34) 2-Butanone	6.20	43	240877	2.09	ppbv	100
35) Carbon Tetrachloride	8.15	117	439208	2.51	ppbv	99
36) Benzene	8.01	78	409787	2.14	ppbv	98
37) 1,2-Dichloroethane	7.37	62	339214	2.55	ppbv	99
38) Trichloroethene	9.06	130	199815	2.42	ppbv	92
39) 1,2-Dichloropropane	8.82	63	153388	2.16	ppbv	96
40) 1,4-Dioxane	9.13	88	25517m	1.62	ppbv	
41) Tetrahydrofuran	7.12	42	126682	2.05	ppbv	96
42) Bromodichloromethane	9.02	83	410017	2.46	ppbv	100
43) Methyl Methacrylate	9.26	69	159166	2.24	ppbv	97

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Instrument :
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 ClientSampleId :
 VSTDIC002

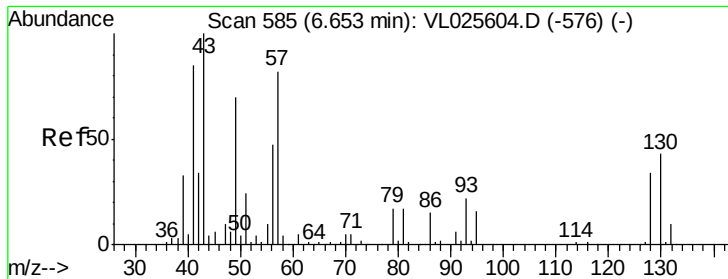
Manual Integrations
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 7/8/2015 11:04:25 AM

Quant Time: Jul 07 13:14:48 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 07 13:14:48 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	9.08	57	735093	2.23	ppbv	100
45) t-1,3-Dichloropropene	10.65	75	263355	2.37	ppbv	99
46) cis-1,3-Dichloropropene	10.01	75	294076	2.28	ppbv	99
47) 1,1,2-Trichloroethane	10.87	97	210907	2.37	ppbv	96
48) Dibromochloromethane	11.79	129	372564	2.61	ppbv	100
49) Bromoform	14.80	173	302073	2.64	ppbv	100
50) 4-Methyl-2-Pentanone	10.09	43	356358	2.28	ppbv	100
51) 2-Hexanone	11.62	43	327367	2.34	ppbv #	98
52) Tetrachloroethene	12.79	164	216574	2.47	ppbv	95
53) Toluene	11.23	91	602471	2.39	ppbv	99
54) 1,2-Dibromoethane	12.13	107	340426	2.50	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.79	131	292021	2.43	ppbv #	1
57) Chlorobenzene	13.80	112	582106	2.35	ppbv	95
58) Ethyl Benzene	14.40	91	956518	2.37	ppbv	98
59) m/p-Xylene	14.71	91	1641495m	4.88	ppbv	
60) o-Xylene	15.49	91	877604	2.45	ppbv	99
61) Styrene	15.31	104	324882	2.38	ppbv	100
62) Isopropylbenzene	16.54	105	1158047	2.46	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.47	83	575428	2.27	ppbv	100
64) n-propylbenzene	17.51	120	318607	2.55	ppbv	100
65) tert-Butylbenzene	18.81	119	1166634	2.66	ppbv	99
66) Benzyl Chloride	19.10	91	403986	2.69	ppbv	100
67) sec-Butylbenzene	19.41	105	1638356	2.66	ppbv	100
69) p-Isopropyltoluene	19.78	119	1378726	2.75	ppbv	100
70) n-Butylbenzene	20.75	91	1418699	2.91	ppbv	98
71) 2-Chlorotoluene	17.42	91	889001	2.53	ppbv	99
72) 4-Ethyltoluene	17.82	105	1009618	2.58	ppbv	99
73) 1,3,5-Trimethylbenzene	17.98	105	983196	2.61	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	1099162	2.71	ppbv	92
75) 1,3-Dichlorobenzene	19.11	146	696614	2.69	ppbv	100
76) 1,4-Dichlorobenzene	19.27	146	704002	2.72	ppbv	99
77) 1,2-Dichlorobenzene	20.02	146	698108	2.72	ppbv	100
78) Hexachloro-1,3-Butadiene	24.67	225	443662	3.36	ppbv	100
79) Naphthalene	23.92	128	1128487	3.39	ppbv	99
80) Naphthalene, 2-methyl-	26.03	142	320241	3.75	ppbv	99
81) 1,2,4-Trichlorobenzene	23.73	180	533805	3.45	ppbv	99

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



#1

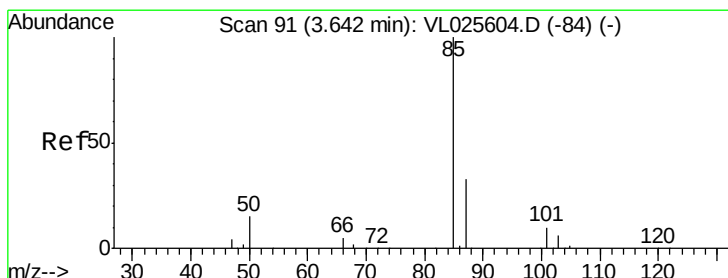
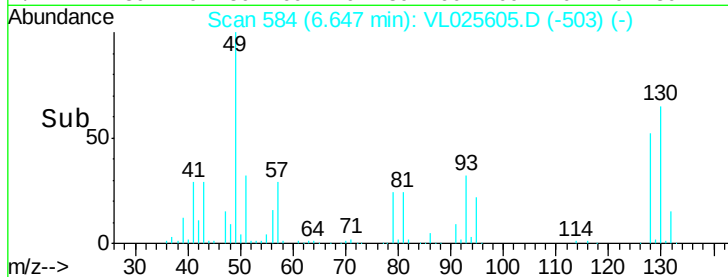
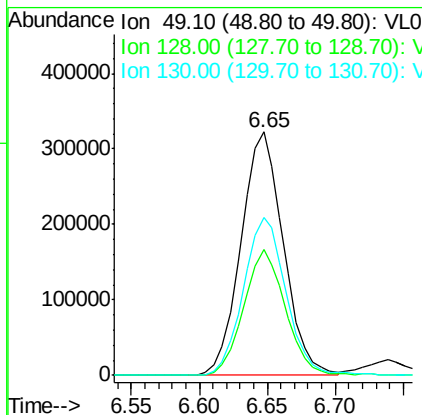
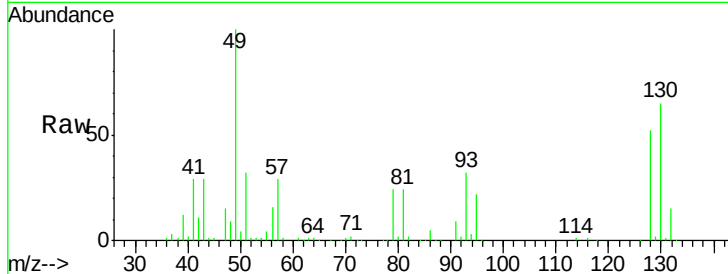
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.65 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	49	Resp	702402
Ion Ratio	Lower	Upper	
49	100		
128	51.8	25.4	76.0
130	66.0	31.9	95.9

Manual Integrations
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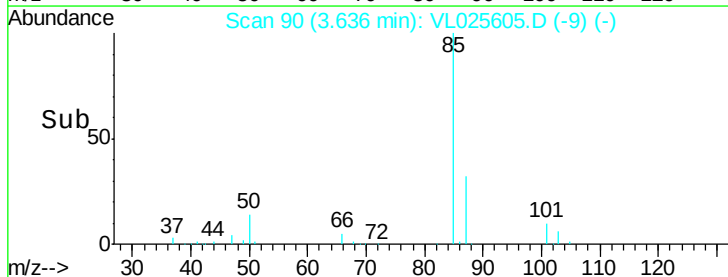
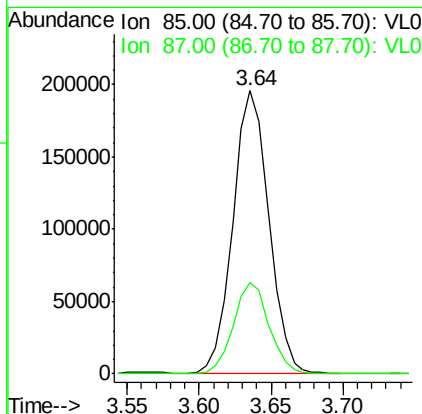
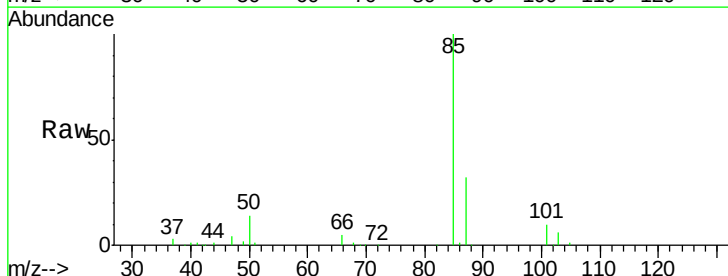
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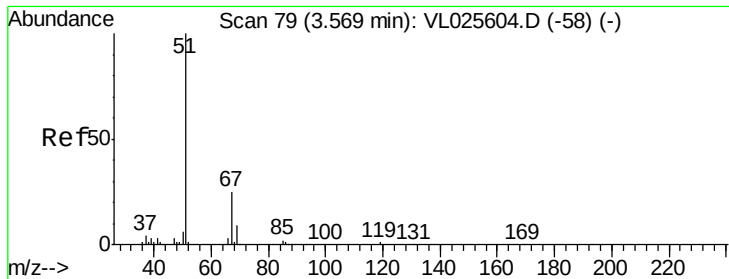


#2

Dichlorodifluoromethane
 Concen: 2.09 ppbv
 RT: 3.64 min Scan# 90
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion	85	Resp	340960
Ion Ratio	Lower	Upper	
85	100		
87	32.3	26.5	39.7





#3

Chlorodifluoromethane

Concen: 2.59 ppbv

RT: 3.56 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tot Ion: 51 Resp: 218436

Ion Ratio Lower Upper

51 100

67 22.9 19.5 29.3

Instrument :

MSVOA_L

ClientSampleId :

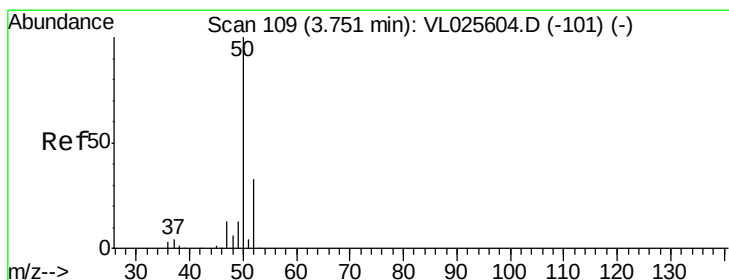
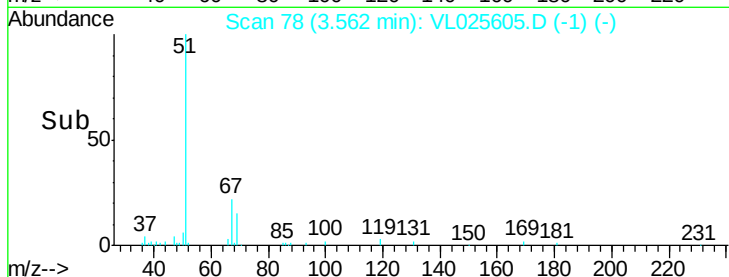
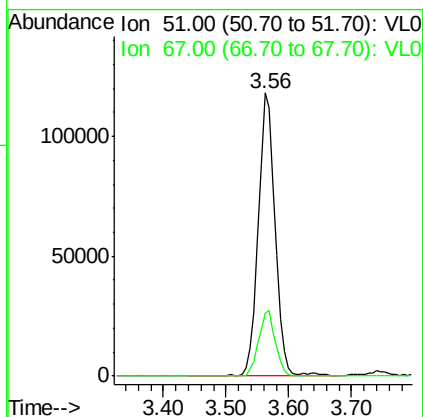
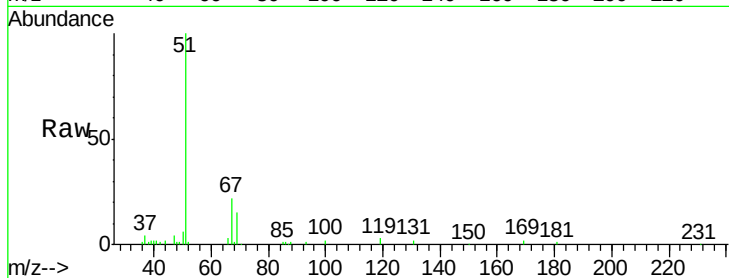
VSTDIC002

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#4

Chloromethane

Concen: 2.28 ppbv

RT: 3.75 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL025605.D

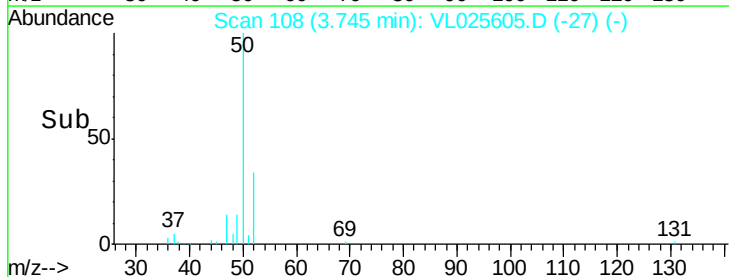
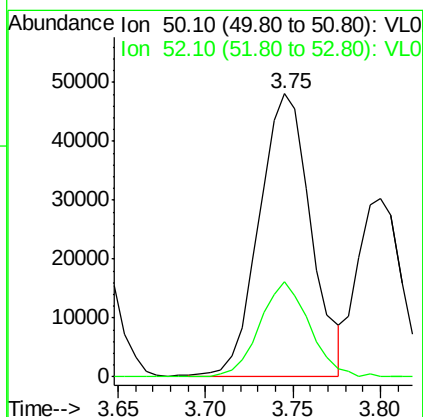
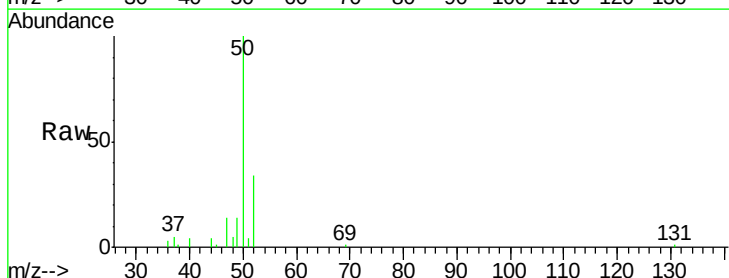
Acq: 7 Jul 2015 11:13

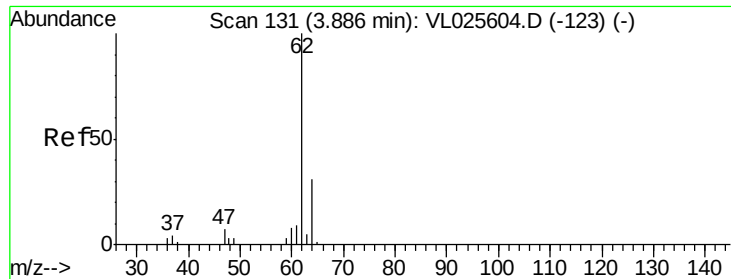
Tgt Ion: 50 Resp: 99920

Ion Ratio Lower Upper

50 100

52 34.0 26.2 39.2





#5

Vinyl Chloride

Concen: 2.21 ppbv

RT: 3.89 min Scan# 131

Delta R.T. -0.00 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 108102

Ion Ratio Lower Upper

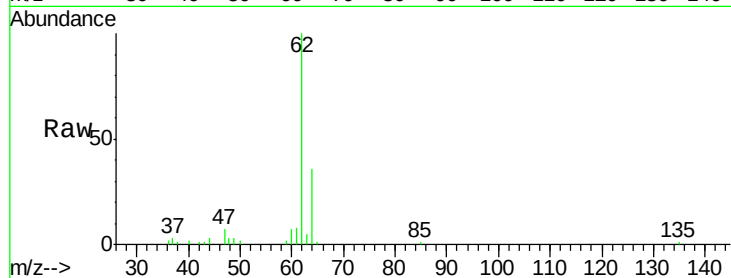
62 100

64 35.9 25.0 37.6

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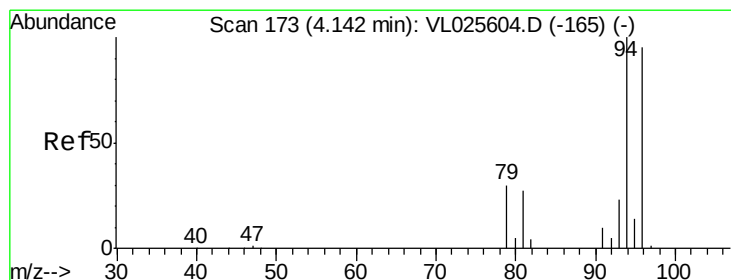
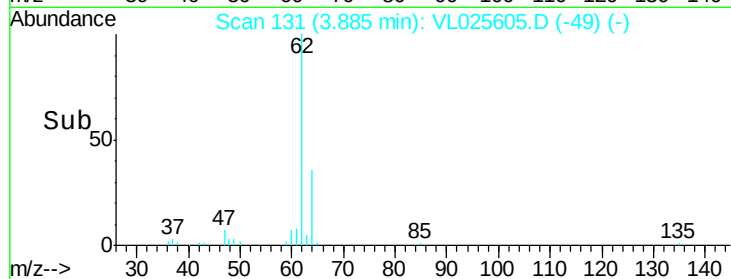
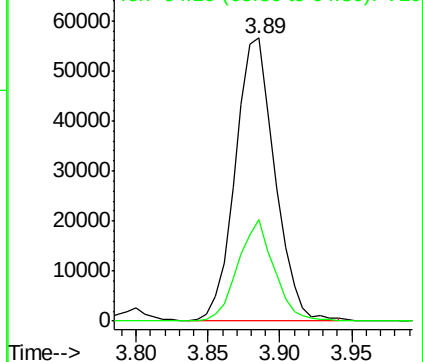
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.54 ppbv

RT: 4.14 min Scan# 172

Delta R.T. -0.01 min

Lab File: VL025605.D

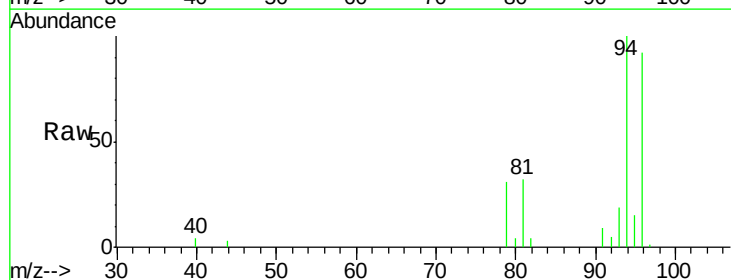
Acq: 7 Jul 2015 11:13

Tgt Ion: 94 Resp: 84231

Ion Ratio Lower Upper

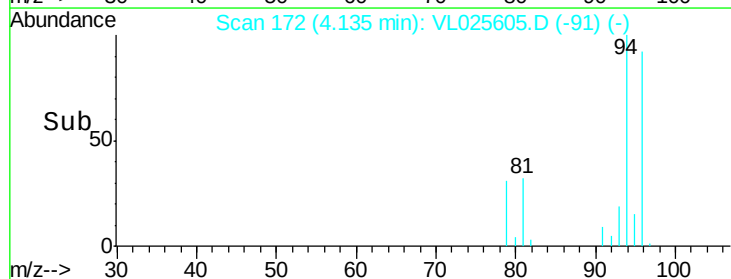
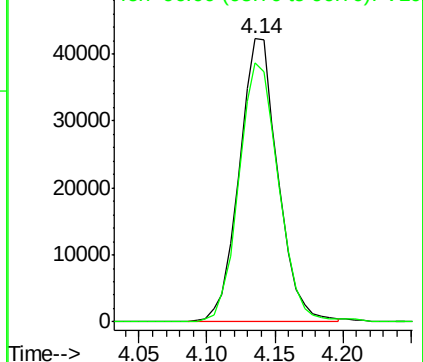
94 100

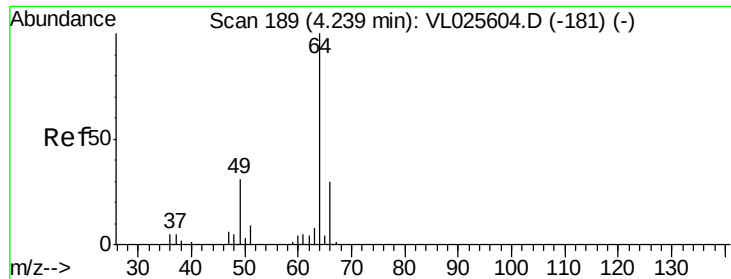
96 91.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.47 ppbv

RT: 4.23 min Scan# 188

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 50010

Ion Ratio Lower Upper

64 100

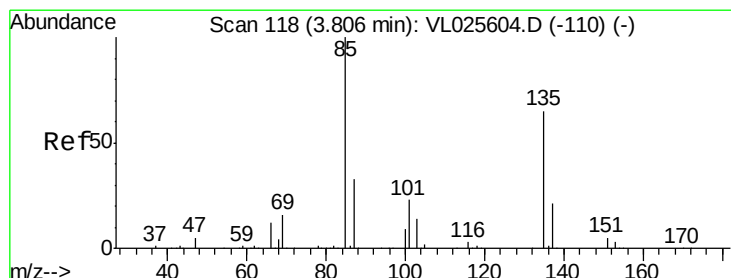
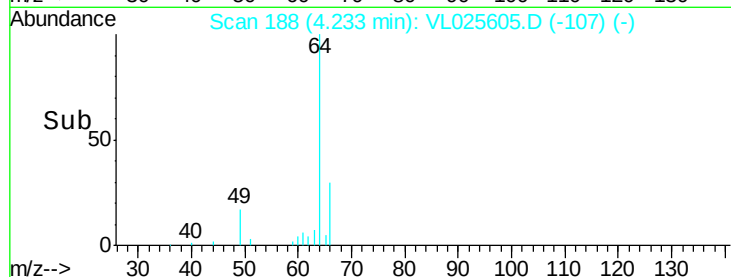
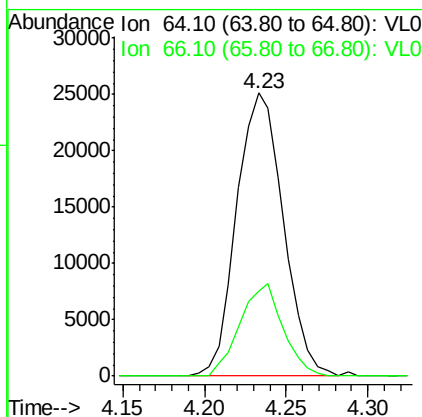
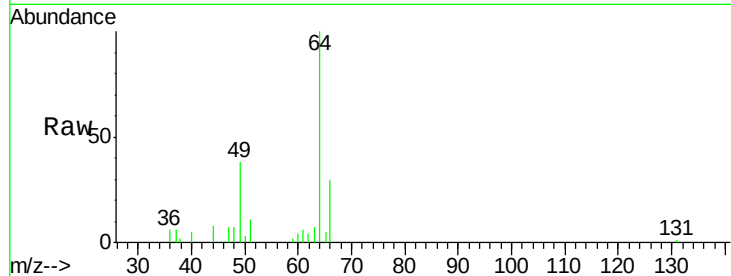
66 30.0 23.8 35.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 2.62 ppbv

RT: 3.80 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL025605.D

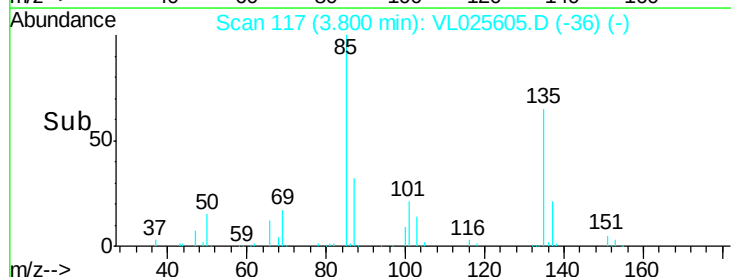
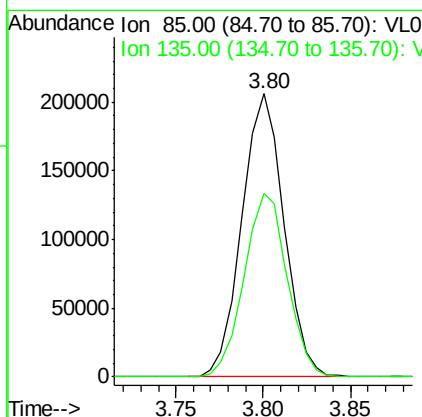
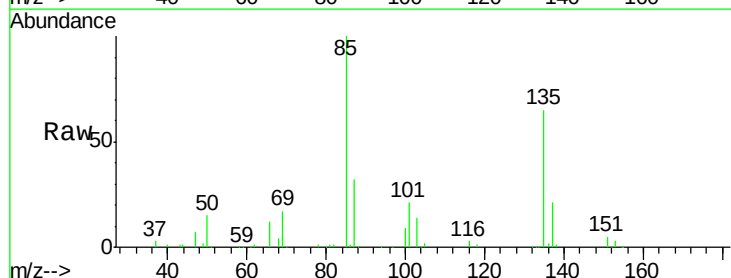
Acq: 7 Jul 2015 11:13

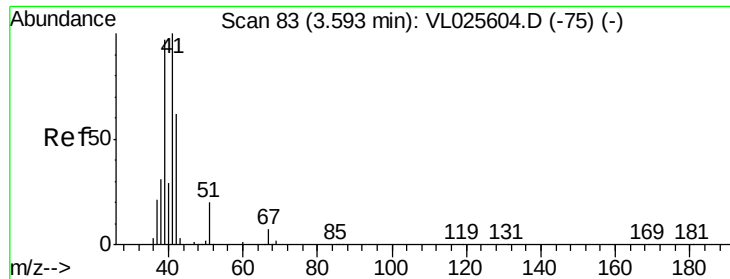
Tgt Ion: 85 Resp: 344521

Ion Ratio Lower Upper

85 100

135 66.3 52.2 78.4





#9

Propene

Concen: 2.10 ppbv

RT: 3.59 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

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ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 74073

Ion Ratio Lower Upper

41 100

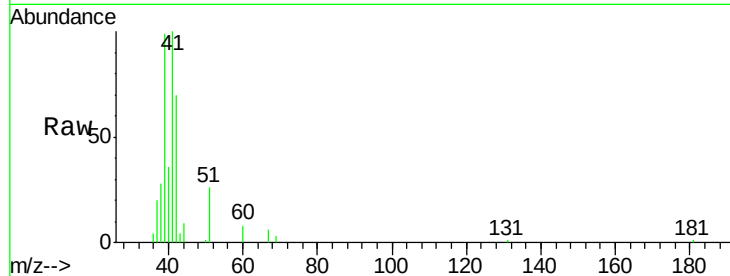
42 67.0 52.4 78.6

Manual Integrations

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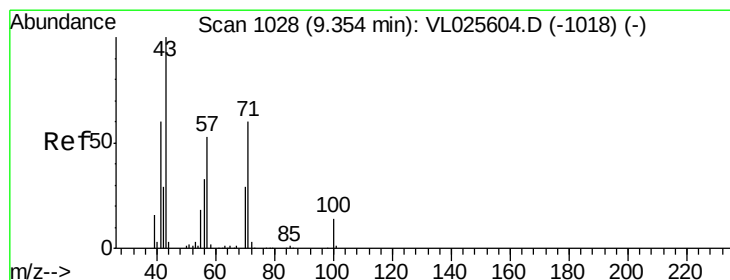
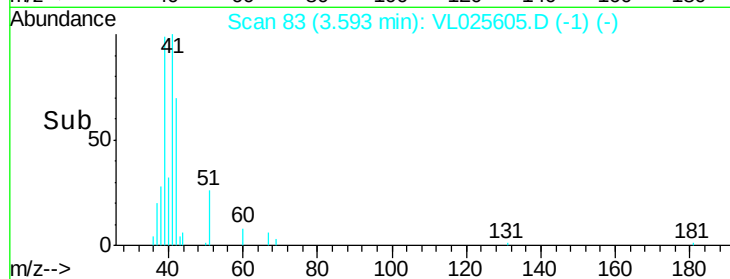
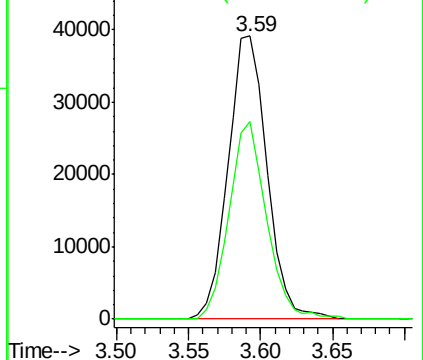
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 2.30 ppbv

RT: 9.35 min Scan# 1027

Delta R.T. -0.01 min

Lab File: VL025605.D

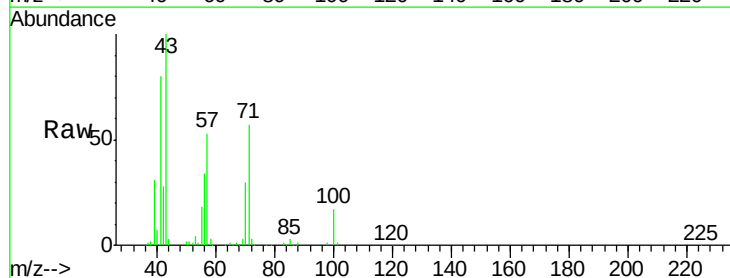
Acq: 7 Jul 2015 11:13

Tgt Ion: 43 Resp: 288987

Ion Ratio Lower Upper

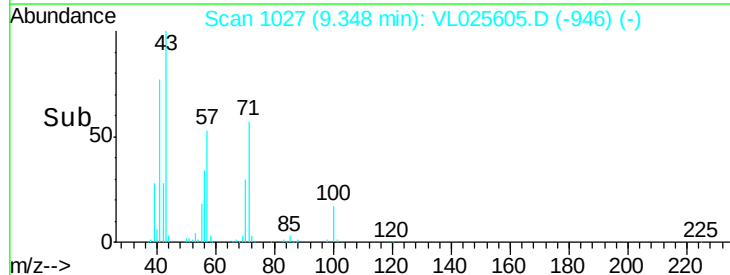
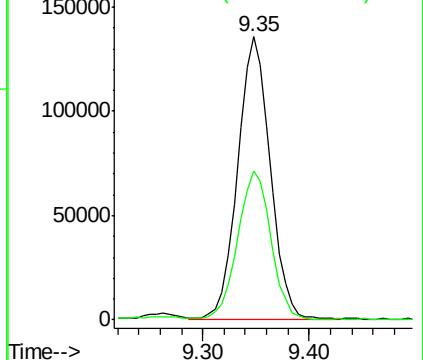
43 100

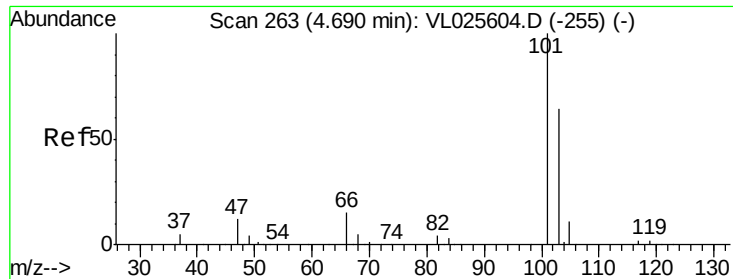
57 55.3 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





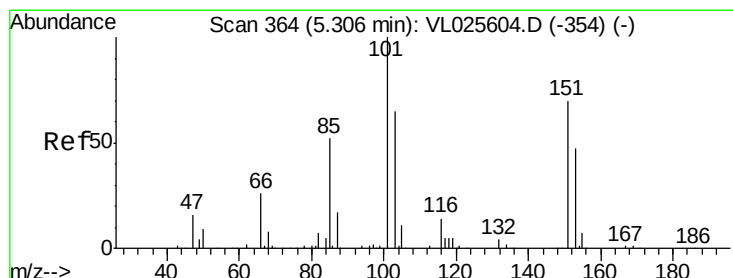
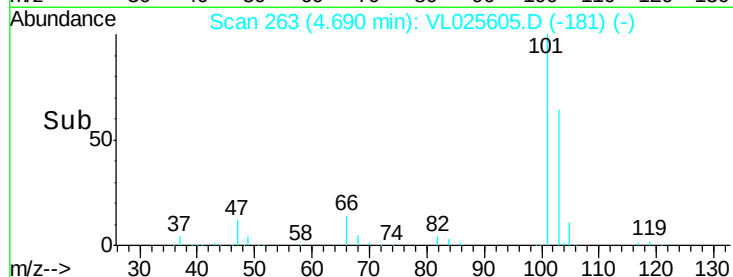
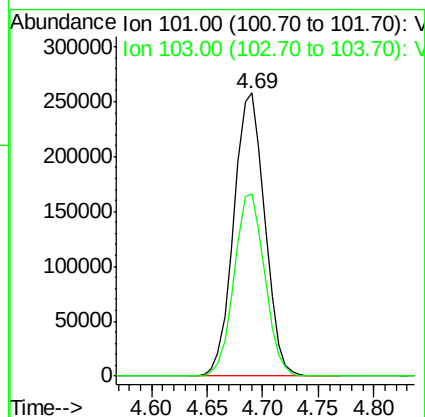
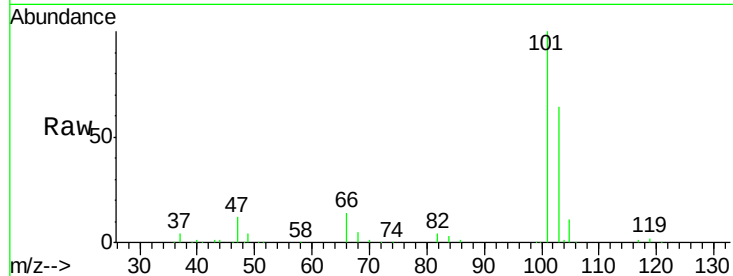
#11
 Trichlorofluoromethane
 Concen: 2.91 ppbv
 RT: 4.69 min Scan# 263
 Delta R.T. -0.00 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:101 Resp: 499838
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.4 77.2

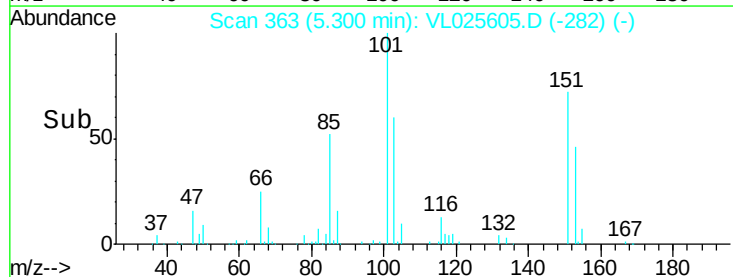
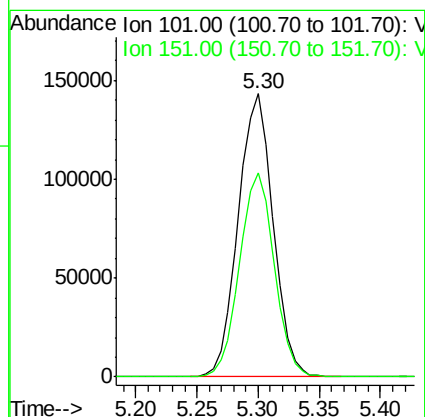
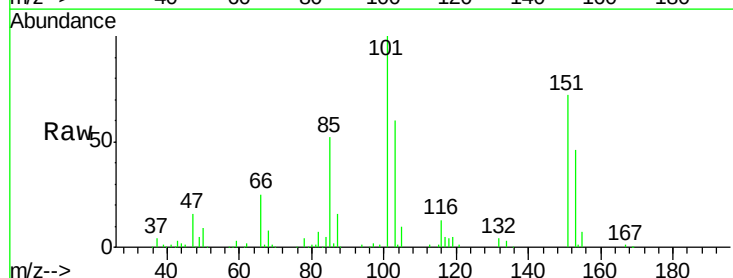
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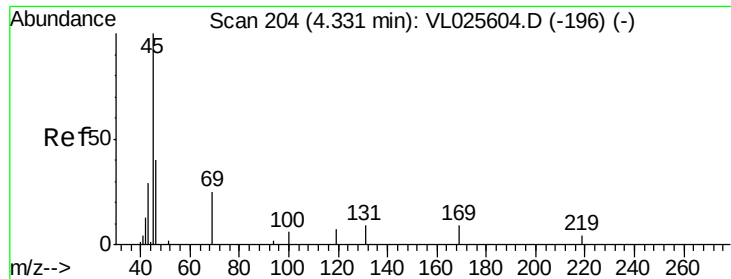
sam
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.74 ppbv
 RT: 5.30 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion:101 Resp: 284524
 Ion Ratio Lower Upper
 101 100
 151 71.7 56.3 84.5





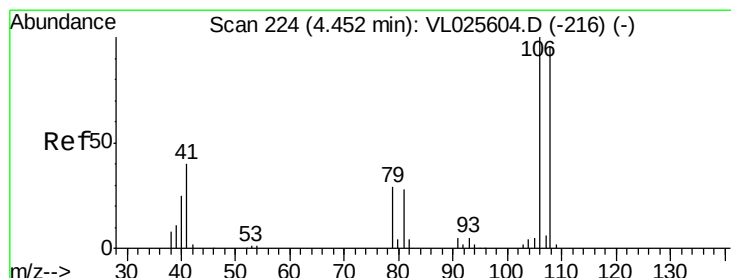
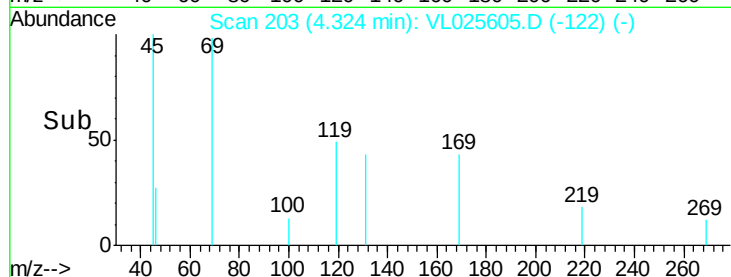
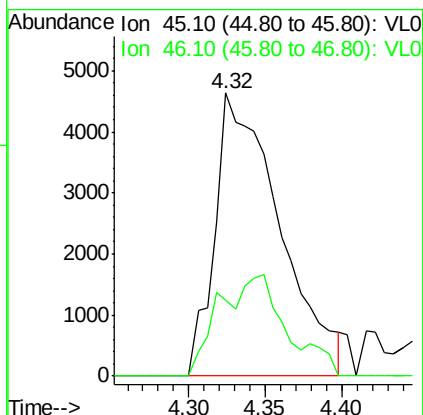
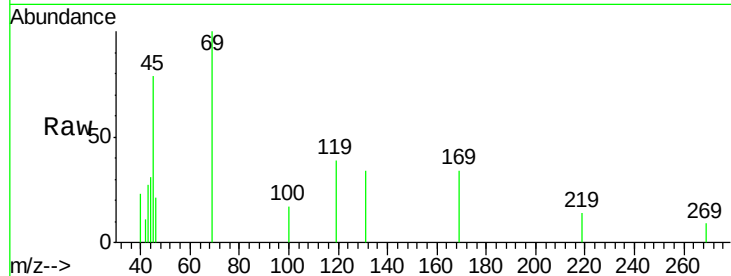
#13
Ethanol
Concen: 2.14 ppbv
RT: 4.32 min Scan# 203
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 45 Resp: 13597
Ion Ratio Lower Upper
45 100
46 37.3 16.0 64.0

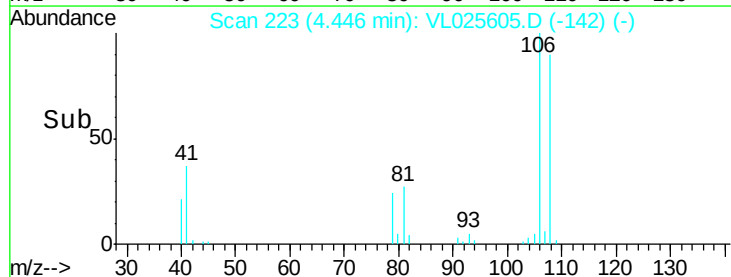
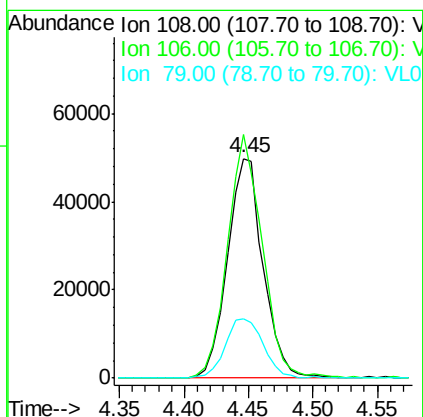
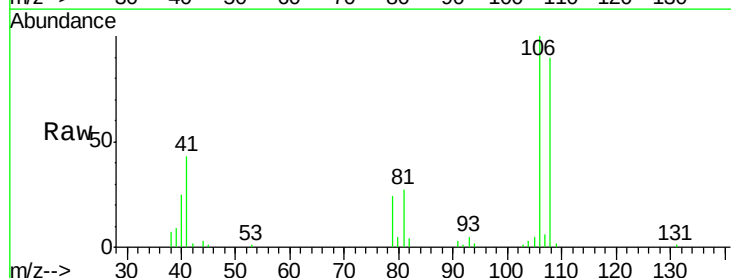
Manual Integrations
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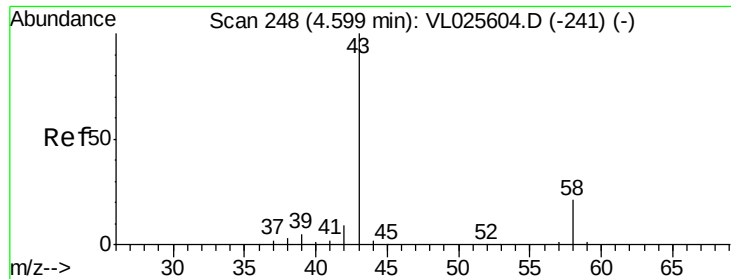
sam
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#14
Bromoethene
Concen: 2.60 ppbv
RT: 4.45 min Scan# 223
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion: 108 Resp: 96075
Ion Ratio Lower Upper
108 100
106 108.0 85.7 128.5
79 29.1 24.6 36.8





#15

Acetone

Concen: 2.62 ppbv

RT: 4.60 min Scan# 248

Delta R.T. -0.00 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 271498

Ion Ratio Lower Upper

43 100

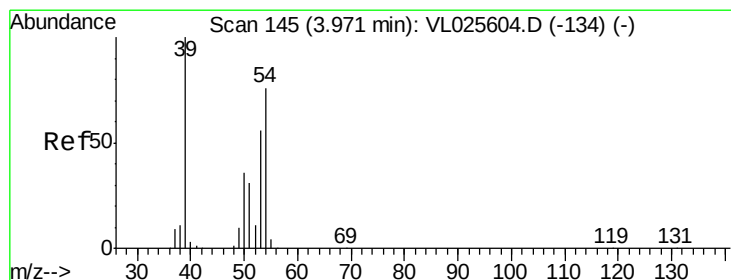
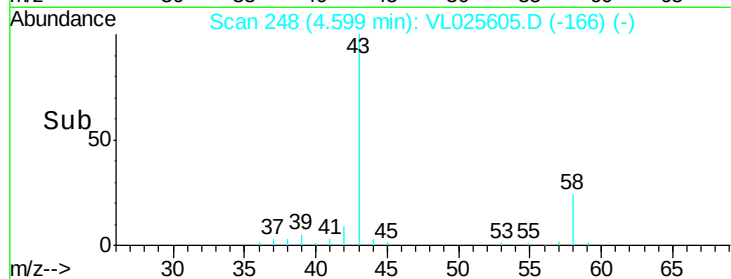
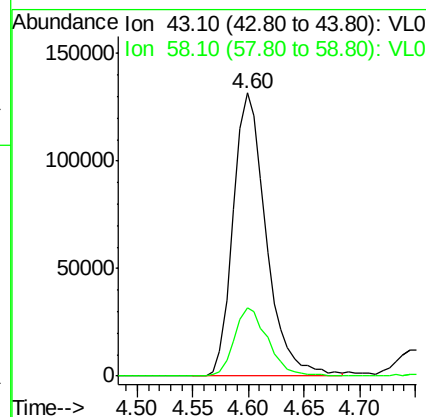
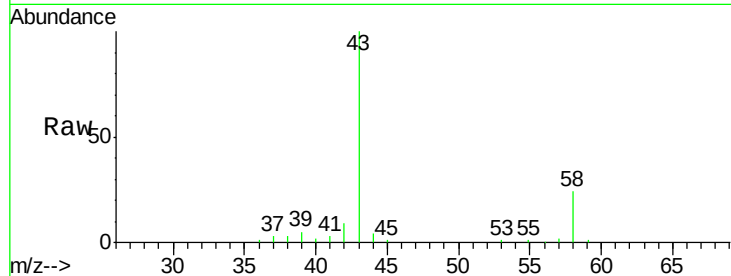
58 24.7 17.2 25.8

Manual Integrations

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#16

1,3-Butadiene

Concen: 2.42 ppbv

RT: 3.96 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL025605.D

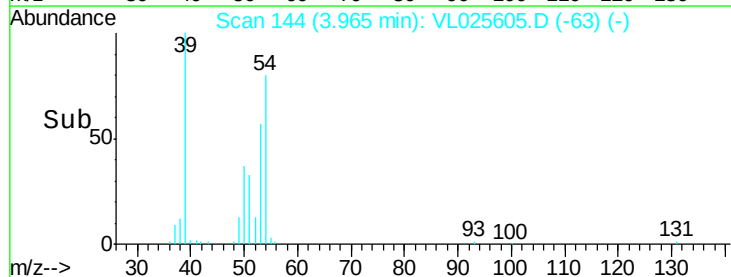
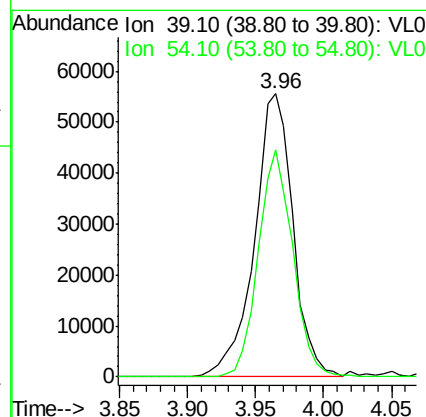
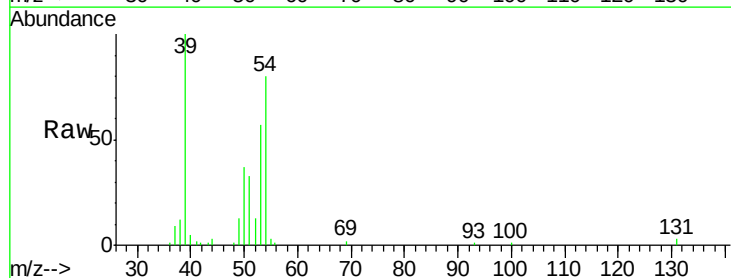
Acq: 7 Jul 2015 11:13

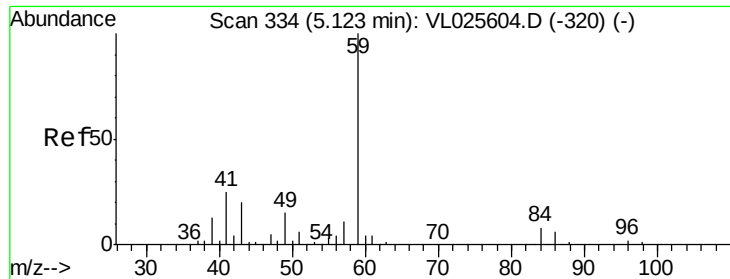
Tgt Ion: 39 Resp: 110223

Ion Ratio Lower Upper

39 100

54 72.2 59.3 88.9





#17

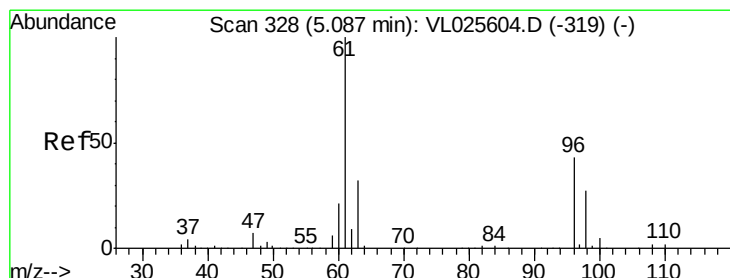
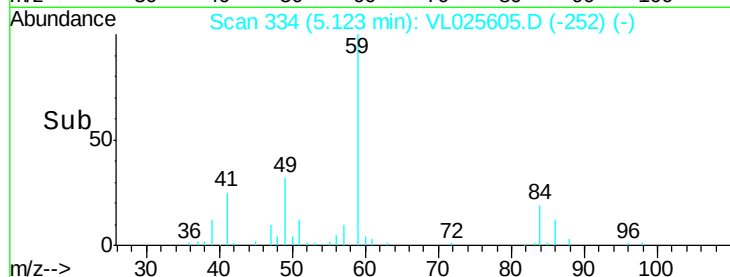
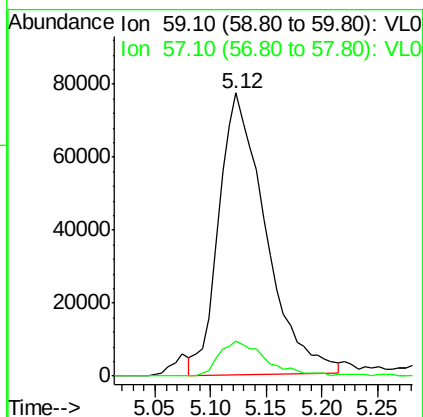
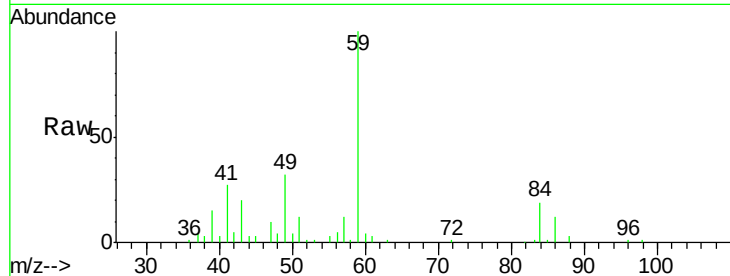
tert-Butyl alcohol
Concen: 2.55 ppbv
RT: 5.12 min Scan# 334
Delta R.T. -0.00 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.1	9.4	14.2

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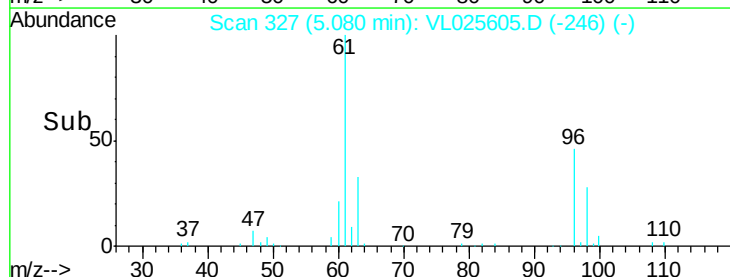
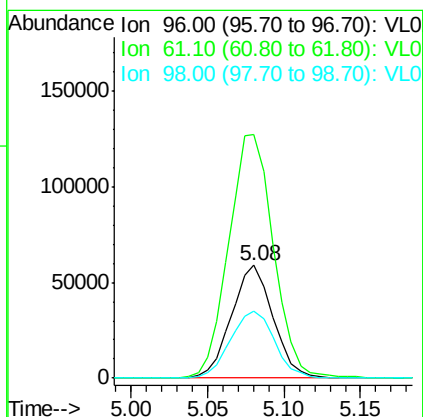
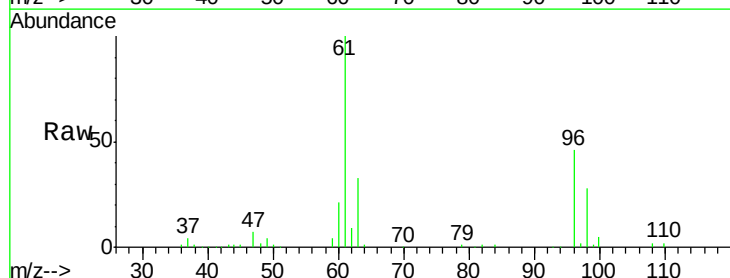
sam
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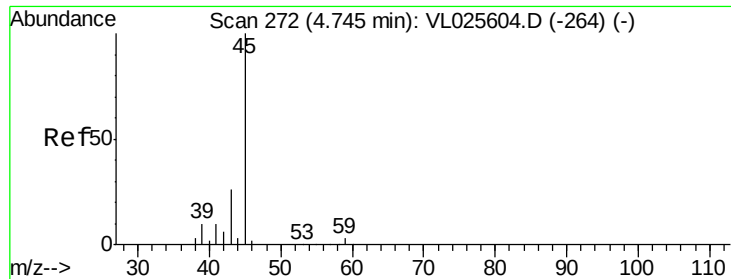


#18

1,1-Dichloroethene
Concen: 2.60 ppbv
RT: 5.08 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	213.8	184.1	276.1
98	59.8	50.0	75.0





#19

Isopropyl Alcohol

Concen: 2.42 ppbv

RT: 4.75 min Scan# 273

Delta R.T. 0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 113924

Ion Ratio Lower Upper

45 100

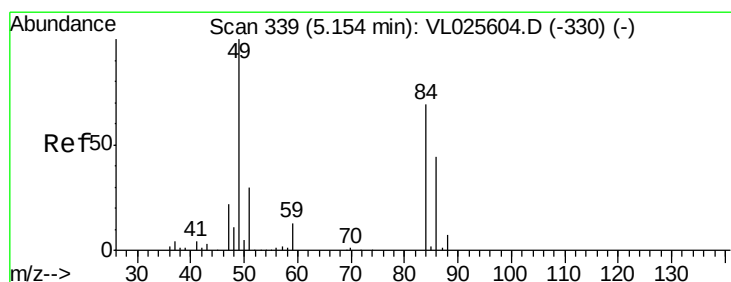
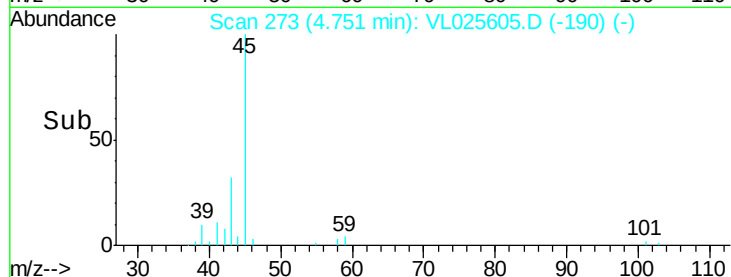
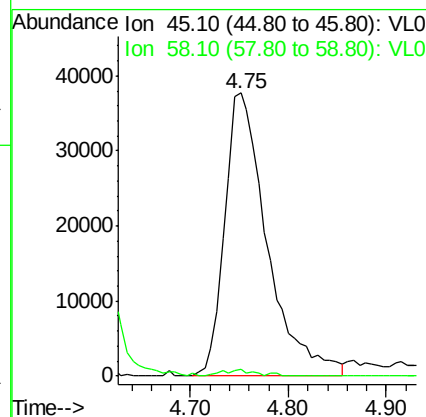
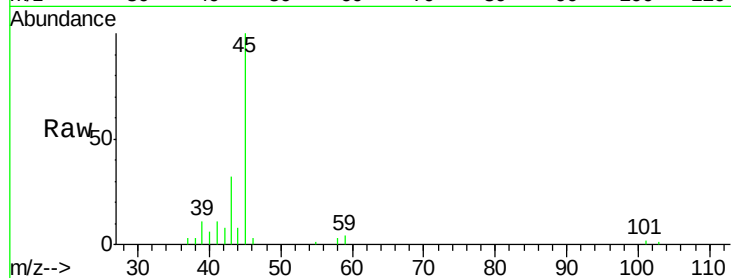
58 1.8 1.1 1.7#

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#20

Methylene Chloride

Concen: 2.35 ppbv

RT: 5.14 min Scan# 337

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion: 84 Resp: 105526

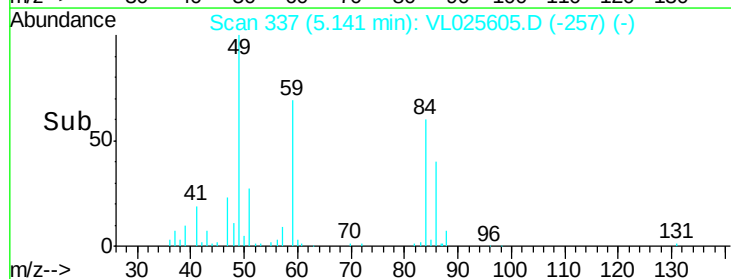
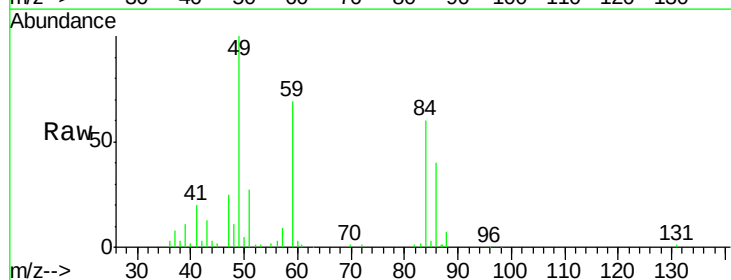
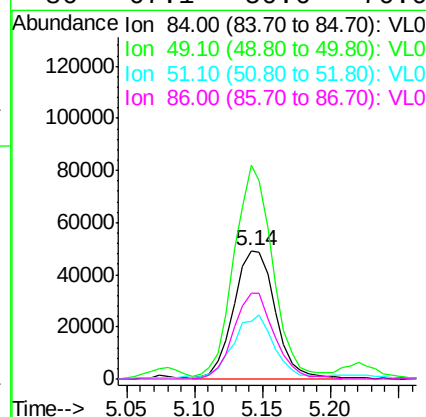
Ion Ratio Lower Upper

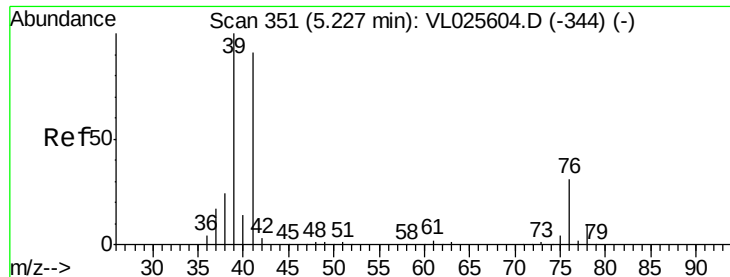
84 100

49 164.9 115.2 172.8

51 44.9 35.0 52.6

86 67.1 50.6 76.0





#21

Allvl Chloride

Concen: 2.44 ppbv

RT: 5.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

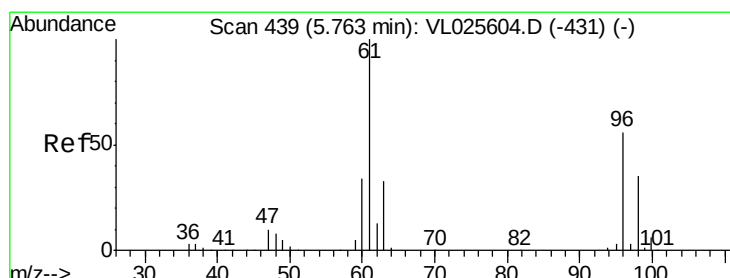
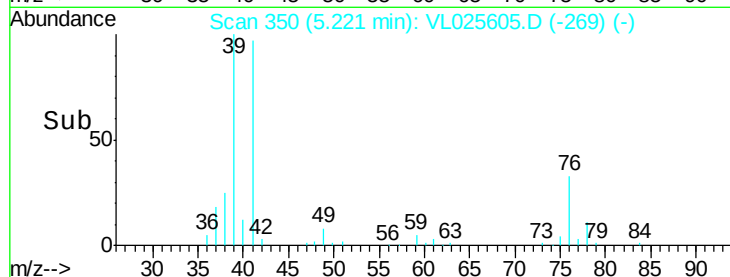
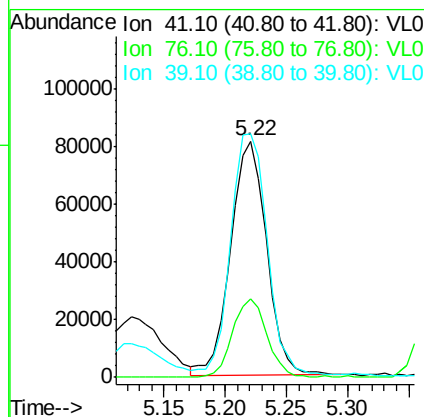
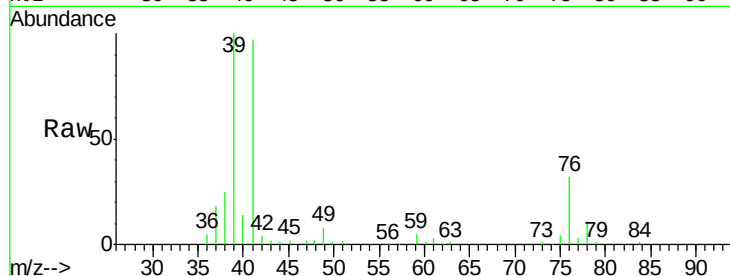
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	164952
Ion	Ratio	Lower	Upper
41	100		
76	32.2	26.6	40.0
39	106.3	88.2	132.4

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#22

trans-1,2-Dichloroethene

Concen: 2.30 ppbv

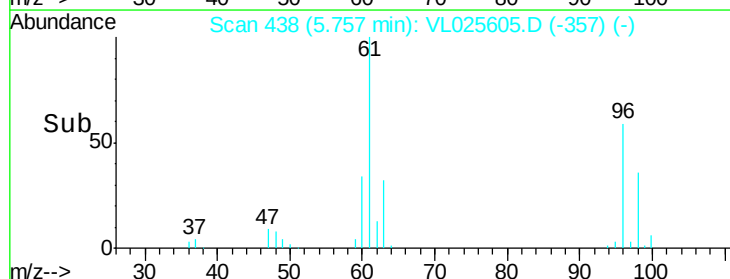
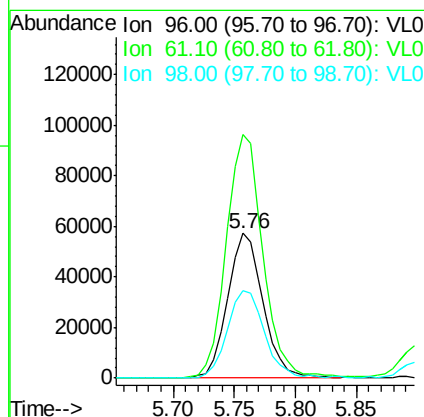
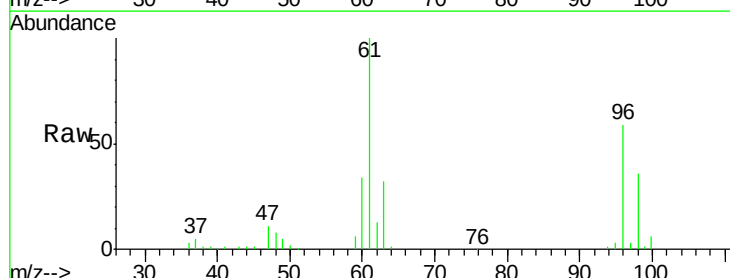
RT: 5.76 min Scan# 438

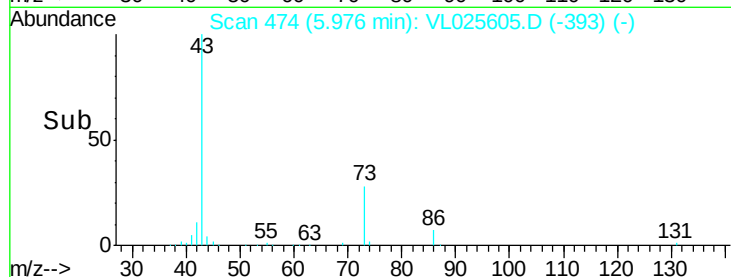
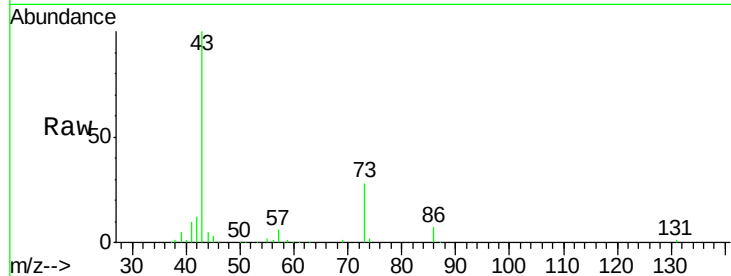
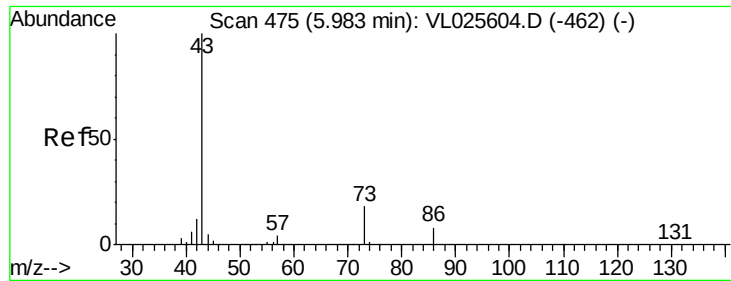
Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion:	96	Resp:	114786
Ion	Ratio	Lower	Upper
96	100		
61	167.3	141.8	212.6
98	60.1	49.0	73.6





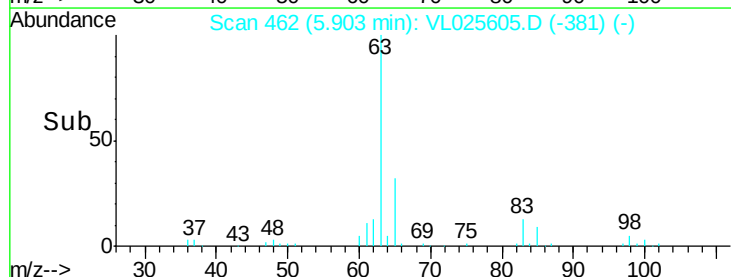
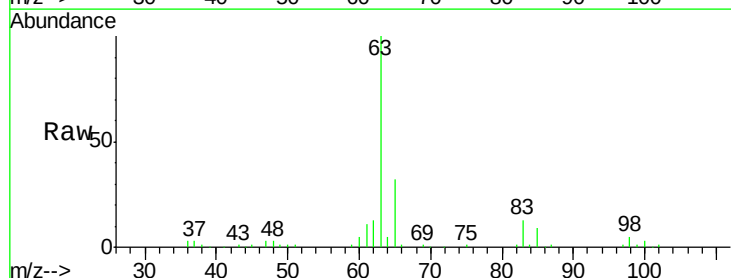
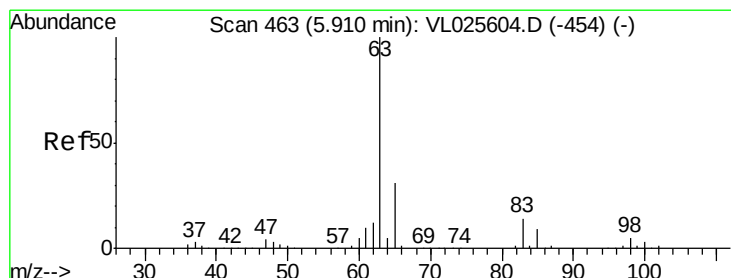
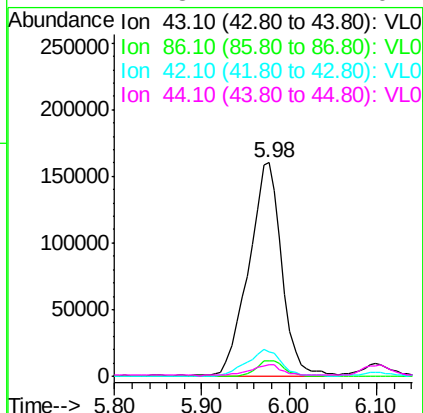
#23
Vinyl Acetate
Concen: 2.31 ppbv
RT: 5.98 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		419820		
86	7.3	6.7	10.1		
42	11.5	9.8	14.6		
44	4.8	4.1	6.1		

Instrument :
MSVOA_L
ClientSampleID :
VSTDIC002

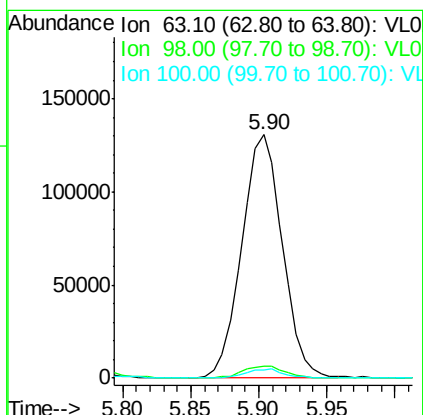
Manual Integrations
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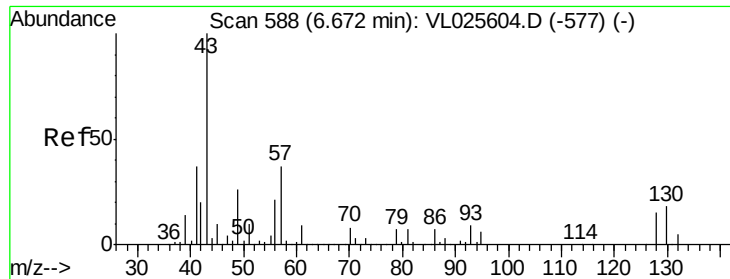
sam
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#24
1,1-Dichloroethane
Concen: 2.32 ppbv
RT: 5.90 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		273542		
98	4.9	2.6	8.0		
100	3.1	1.6	4.7		





#25

Ethyl Acetate

Concen: 2.21 ppbv

RT: 6.67 min Scan# 587

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 411495

Ion Ratio Lower Upper

43 100

45 9.1 7.5 11.3

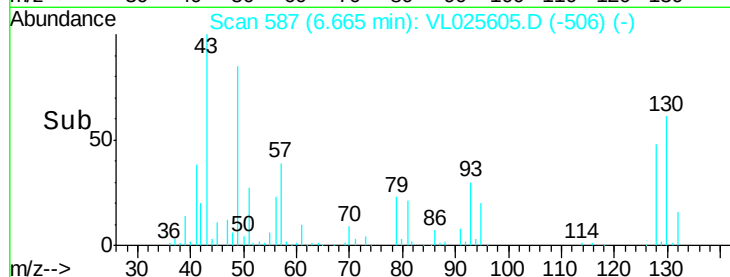
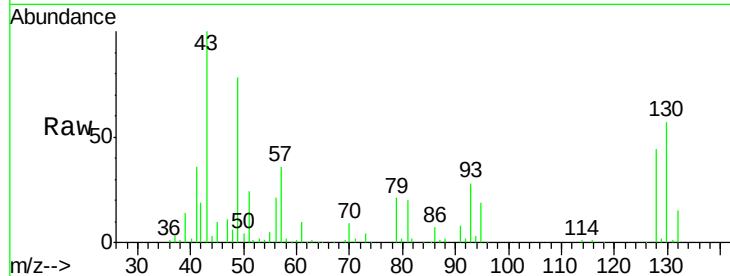
61 8.7 6.6 10.0

70 8.8 6.0 9.0

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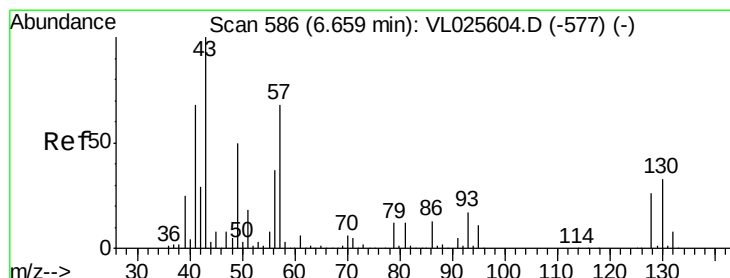
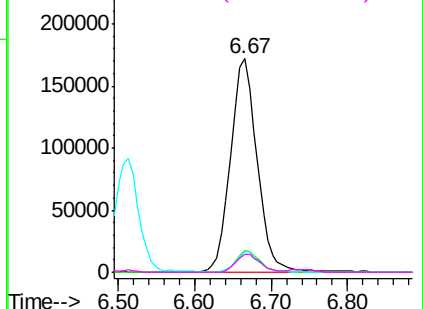
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 2.28 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion: 57 Resp: 200222

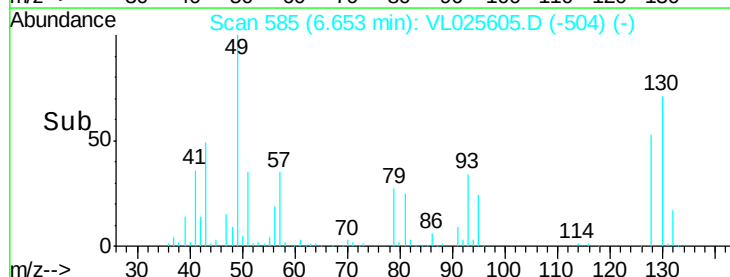
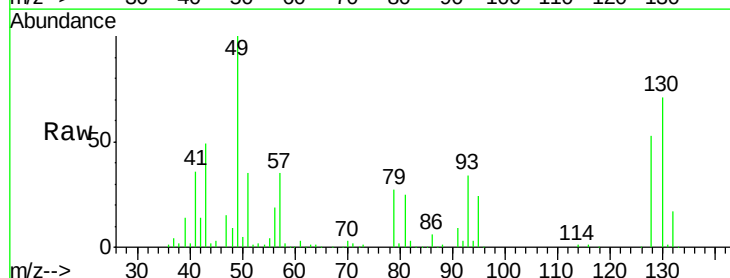
Ion Ratio Lower Upper

57 100

41 102.1 81.4 122.2

43 209.7 171.4 257.2

56 55.2 44.5 66.7



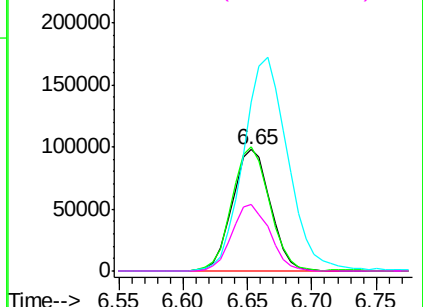
Abundance

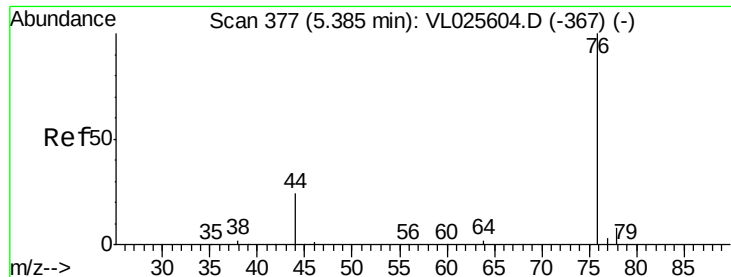
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 2.54 ppbv

RT: 5.39 min Scan# 377

Delta R.T. -0.00 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

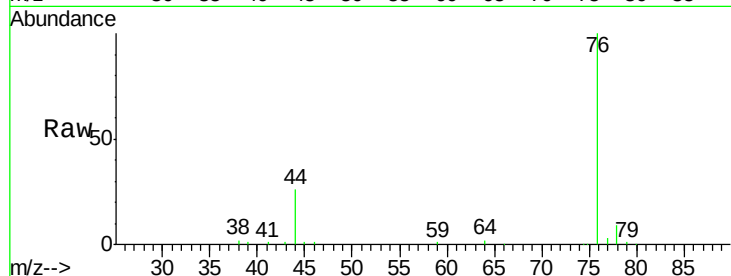
ClientSampleId :

VSTDIC002

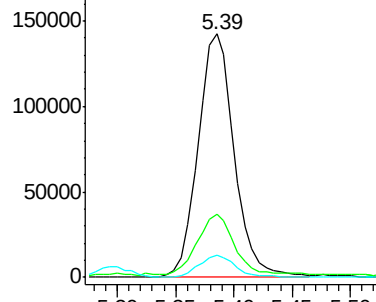
Tot Ion:	76	Resp:	307982
Ion	Ratio	Lower	Upper
76	100		
44	27.8	20.2	30.4
78	9.2	7.4	11.2

Manual Integrations
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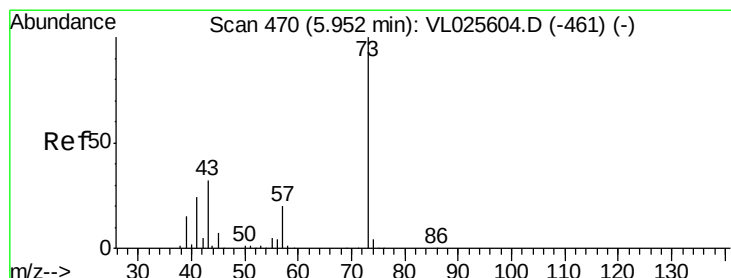
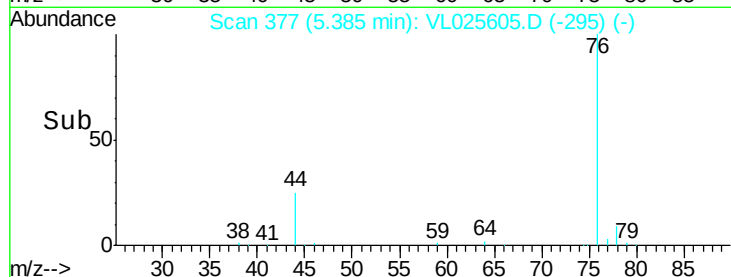
sam
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



Time-->



#28

Methyl tert-Butyl Ether

Concen: 2.38 ppbv

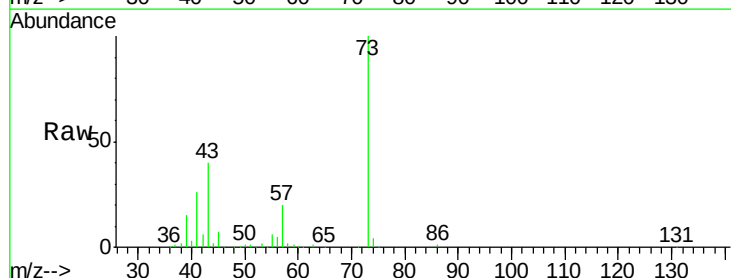
RT: 5.95 min Scan# 470

Delta R.T. -0.00 min

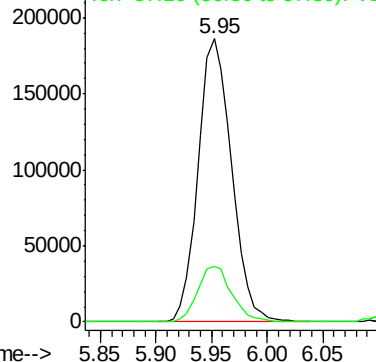
Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

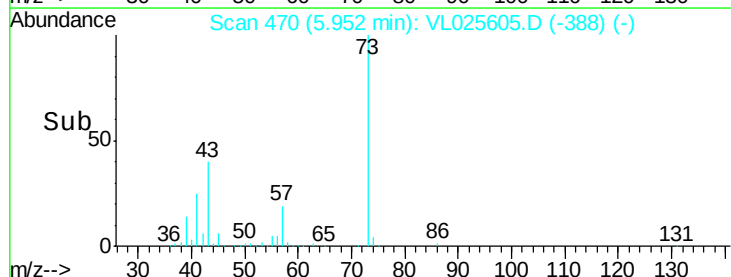
Tgt Ion:	73	Resp:	388408
Ion	Ratio	Lower	Upper
73	100		
57	20.1	16.0	24.0

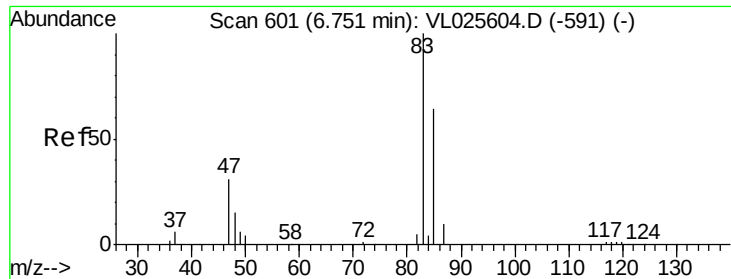


Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



Time-->





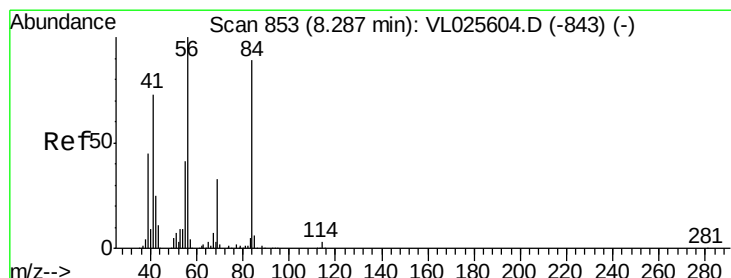
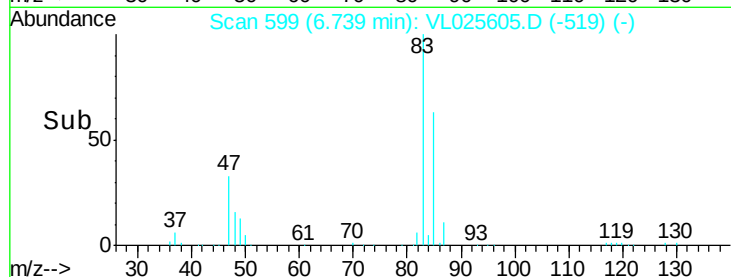
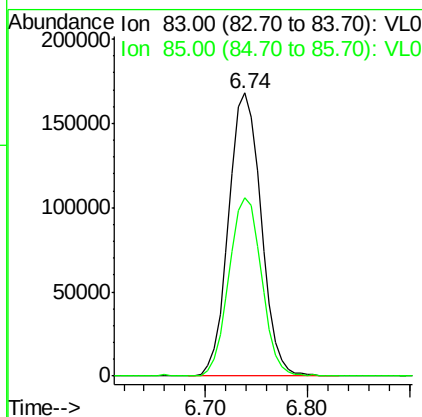
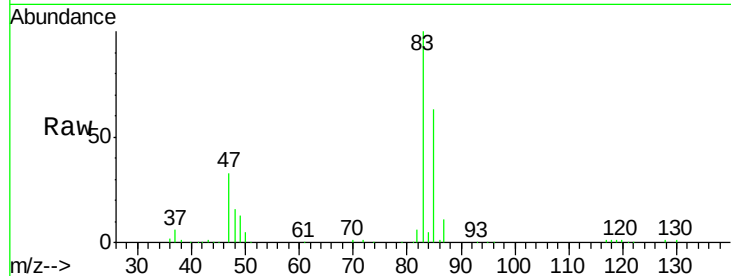
#29
Chloroform
Concen: 2.55 ppbv
RT: 6.74 min Scan# 599
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	371834
Ion Ratio	100	Lower	Upper
85	63.0	51.6	77.4

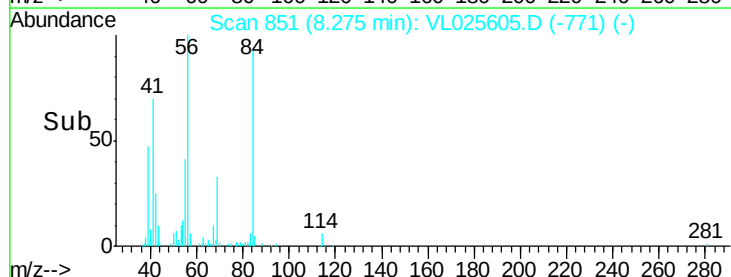
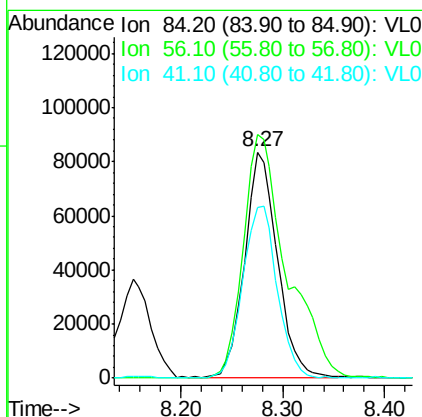
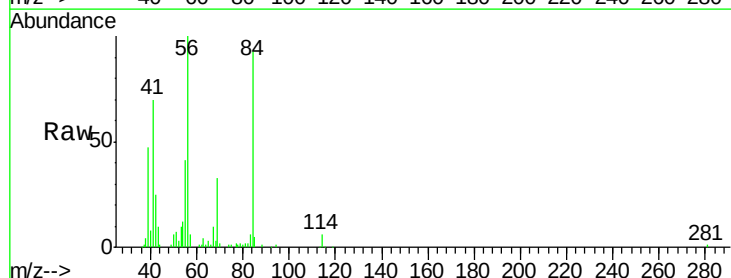
Manual Integrations
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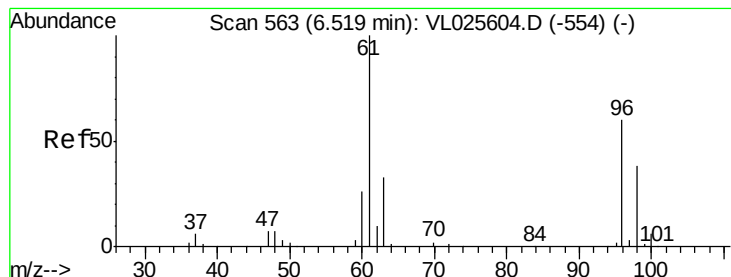
sam
7/8/2015 11:04:25 AM



#30
Cyclohexane
Concen: 2.35 ppbv
RT: 8.27 min Scan# 851
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	84	Resp	187731
Ion Ratio	100	Lower	Upper
56	142.2	97.5	146.3
41	80.0	65.4	98.2





#31

cis-1,2-Dichloroethene

Concen: 2.32 ppbv

RT: 6.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

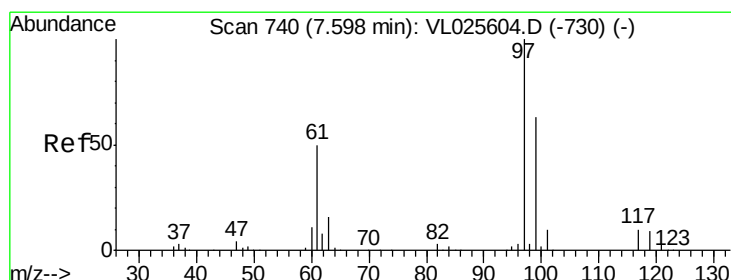
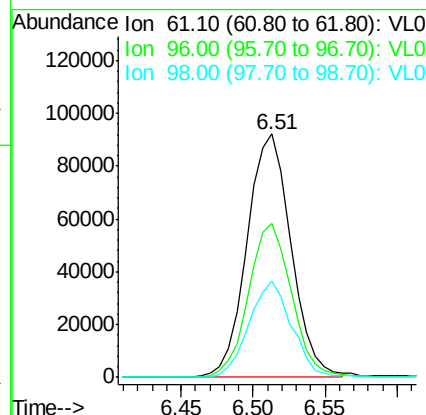
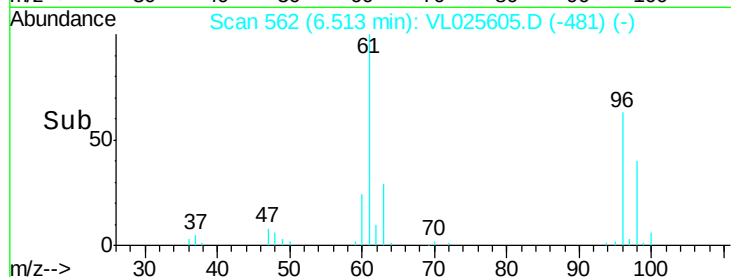
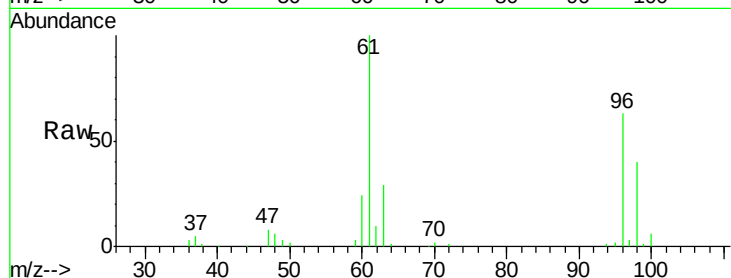
ClientSampleId :

VSTDIC002

Tot Ion:	61	Resp:	195184
Ion	Ratio	Lower	Upper
61	100		
96	63.1	48.1	72.1
98	39.6	30.7	46.1

Manual Integrations
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sam
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#32

1,1,1-Trichloroethane

Concen: 2.52 ppbv

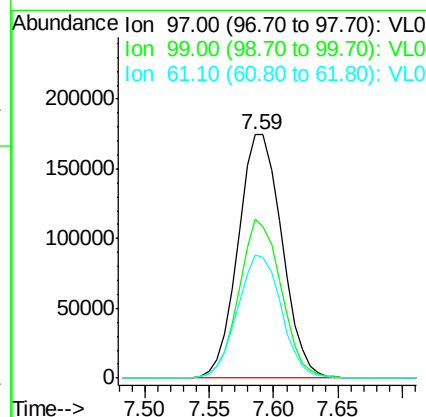
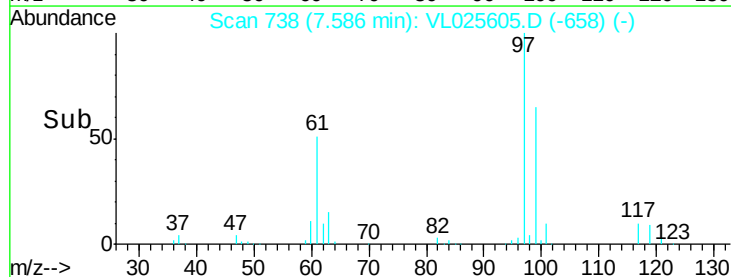
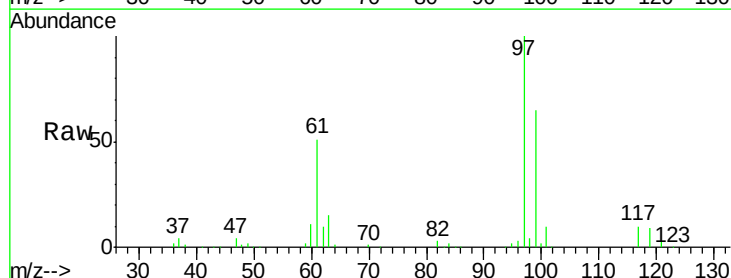
RT: 7.59 min Scan# 738

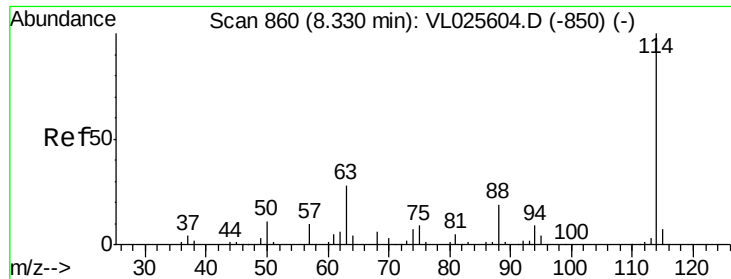
Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion:	97	Resp:	413697
Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.2	76.8
61	50.5	40.4	60.6





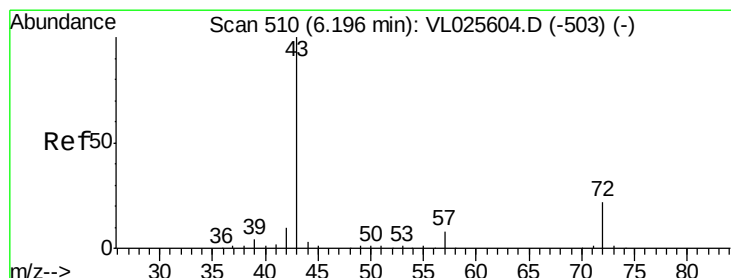
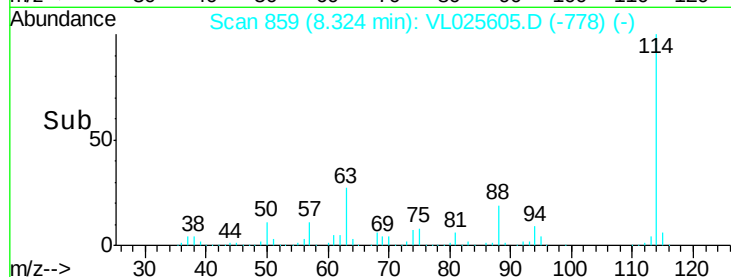
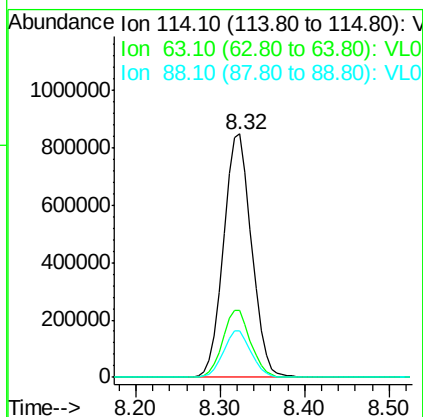
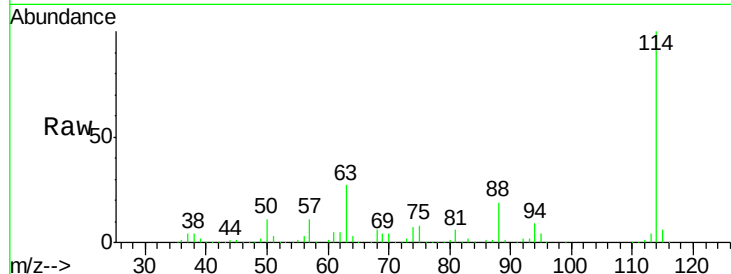
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:114 Resp: 1935652
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.4 33.6
 88 18.7 15.0 22.4

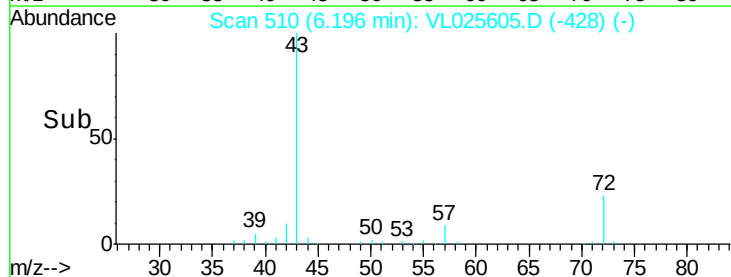
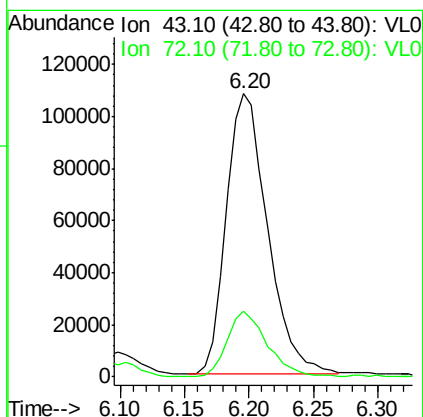
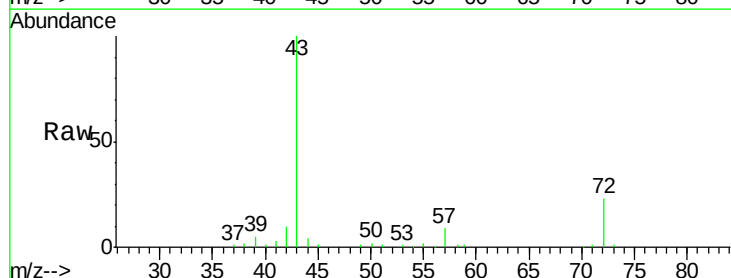
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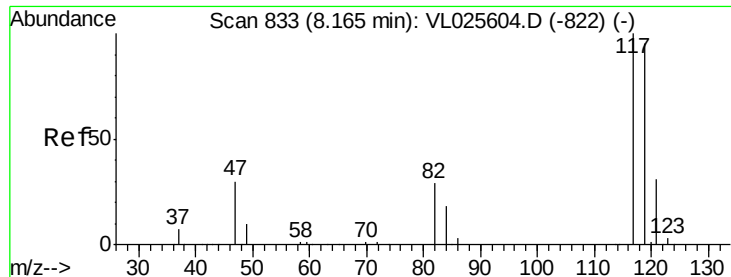
sam
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#34
 2-Butanone
 Concen: 2.09 ppbv
 RT: 6.20 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion: 43 Resp: 240877
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.6 28.0





#35

Carbon Tetrachloride

Concen: 2.51 ppbv

RT: 8.15 min Scan# 831

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

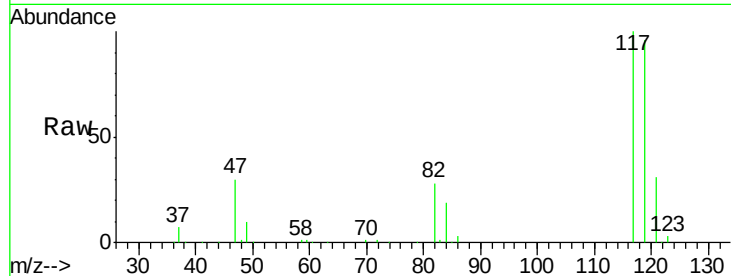
ClientSampleId :

VSTDIC002

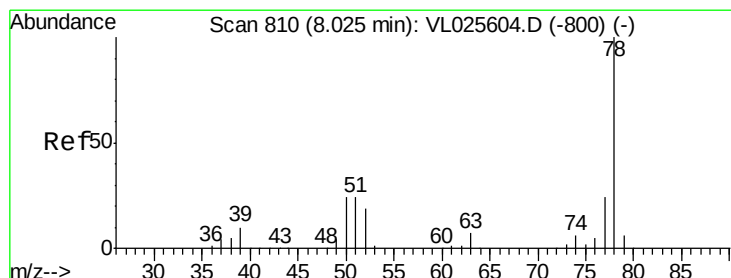
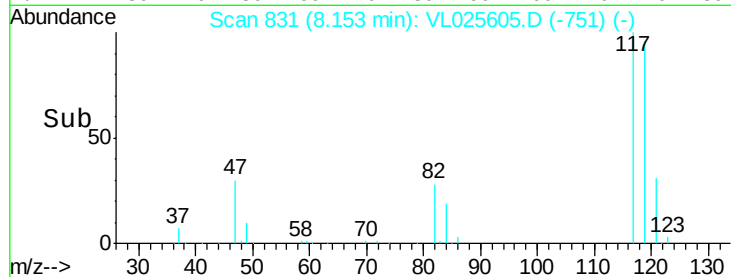
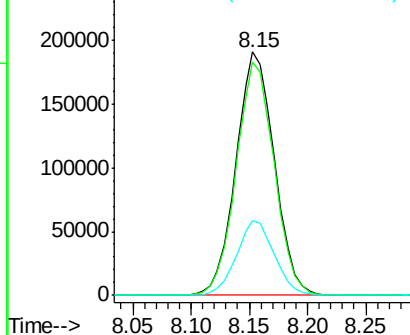
Tot Ion:	117	Resp:	439208
Ion Ratio	Lower	Upper	
117	100		
119	95.9	75.9	113.9
121	30.8	24.4	36.6

Manual Integrations
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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: 2.14 ppbv

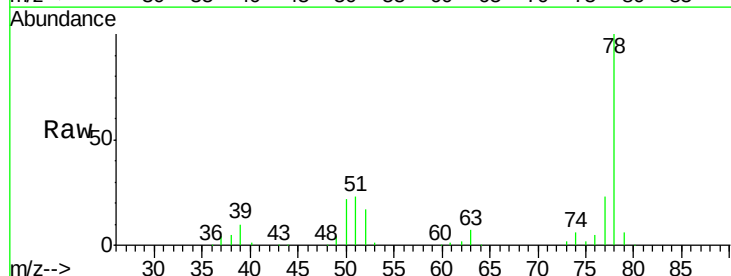
RT: 8.01 min Scan# 808

Delta R.T. -0.01 min

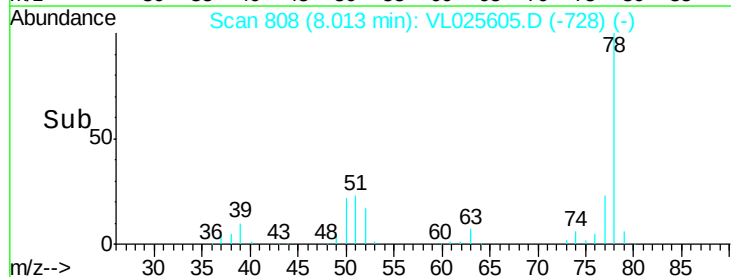
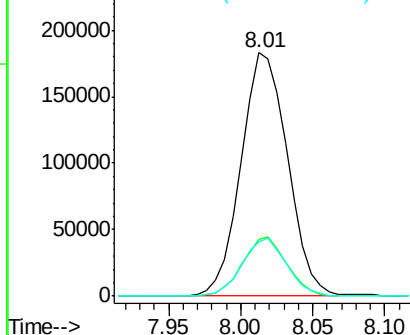
Lab File: VL025605.D

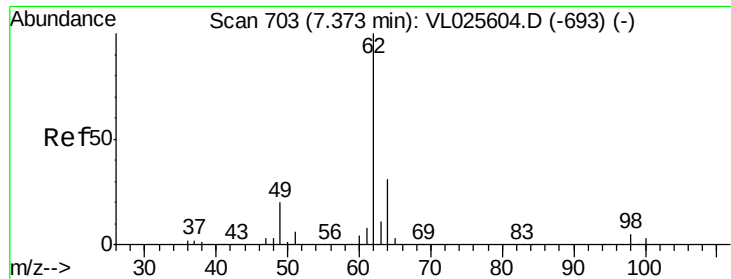
Acq: 7 Jul 2015 11:13

Tgt Ion:	78	Resp:	409787
Ion Ratio	Lower	Upper	
78	100		
77	23.2	19.0	28.4
50	22.3	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





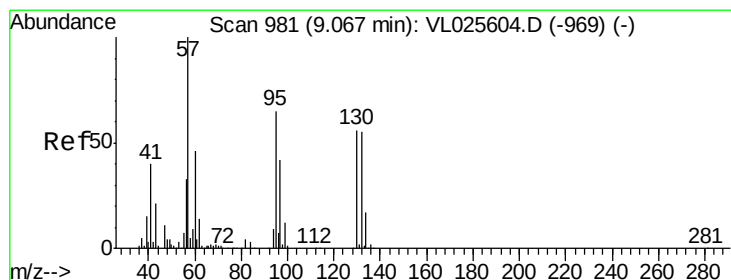
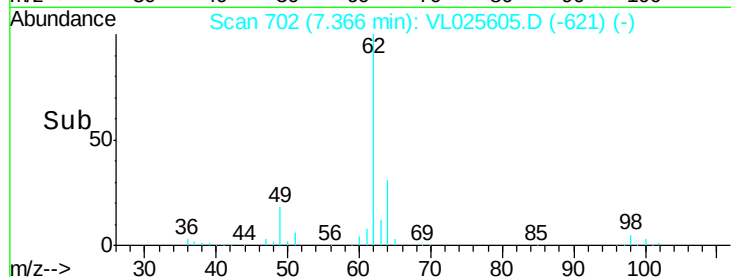
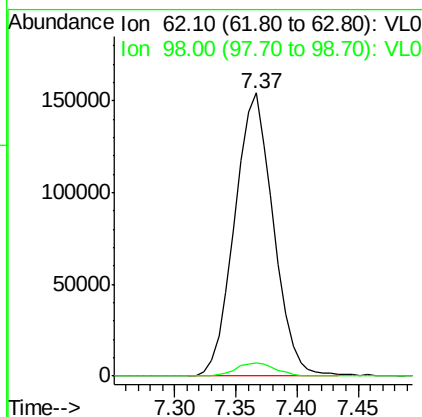
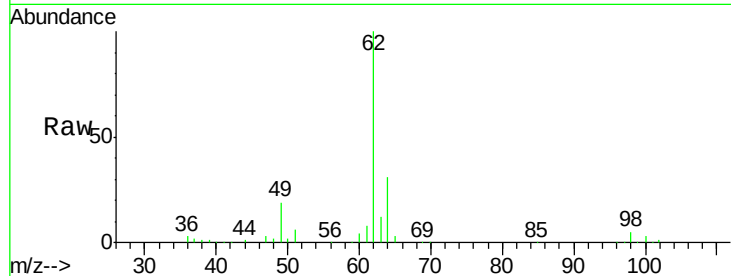
#37
 1,2-Dichloroethane
 Concen: 2.55 ppbv
 RT: 7.37 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.8	4.1	6.1

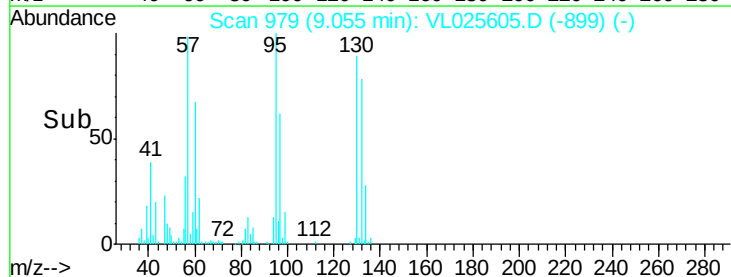
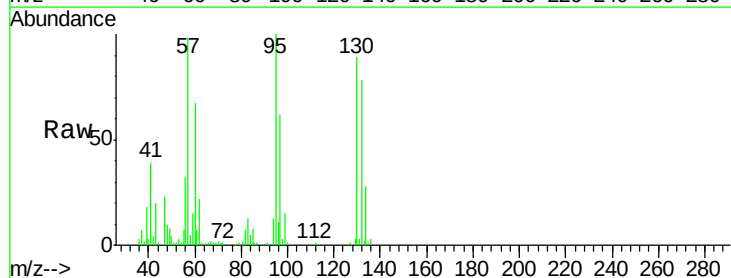
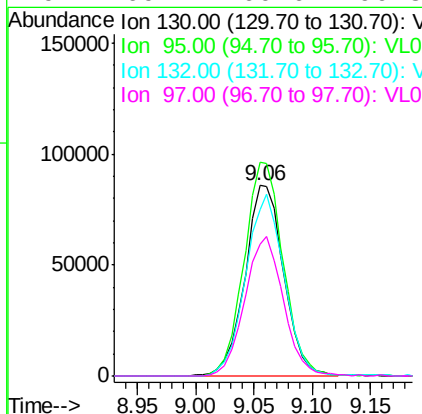
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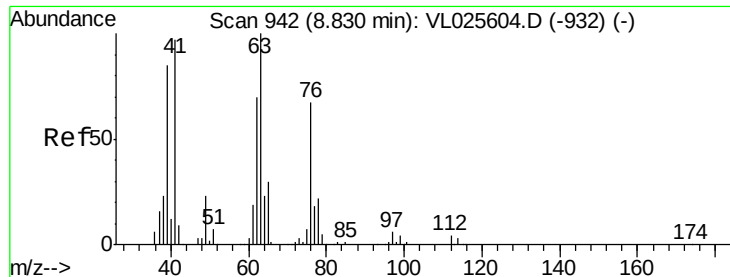
sam
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#38
 Trichloroethene
 Concen: 2.42 ppbv
 RT: 9.06 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.1	94.2	141.4
132	87.4	78.6	118.0
97	69.2	60.6	90.8





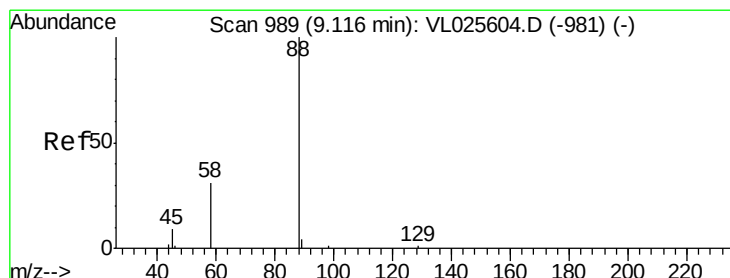
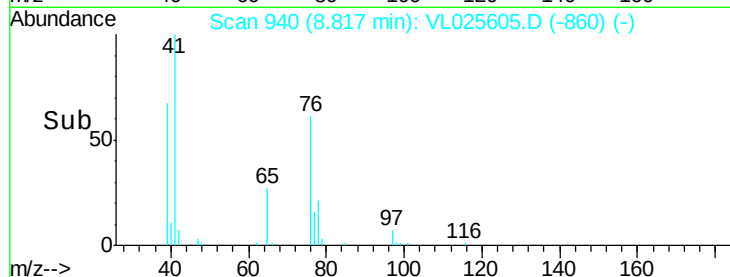
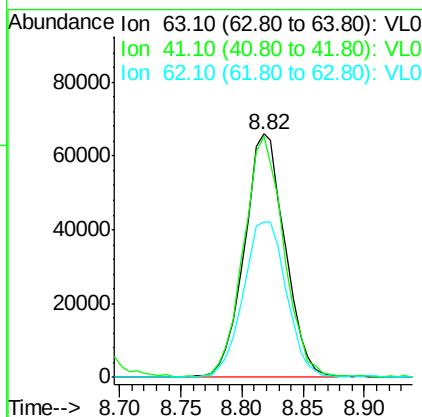
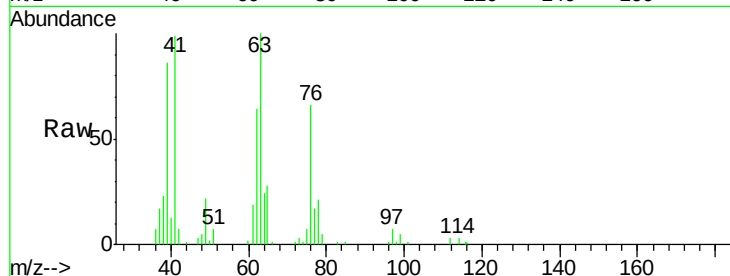
#39
 1,2-Dichloropropane
 Concen: 2.16 ppbv
 RT: 8.82 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	98.4	78.0	117.0
62	63.8	55.7	83.5

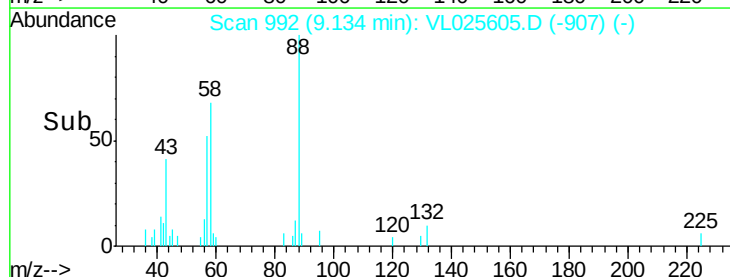
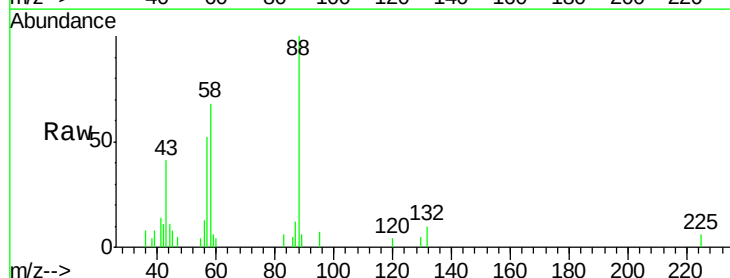
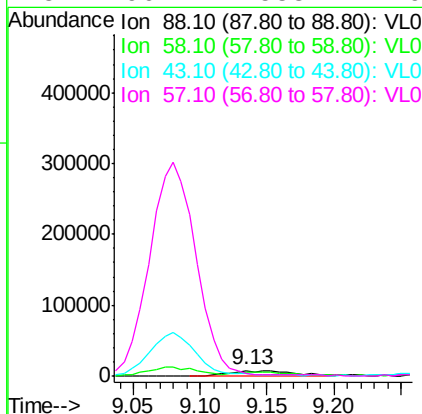
Manual Integrations
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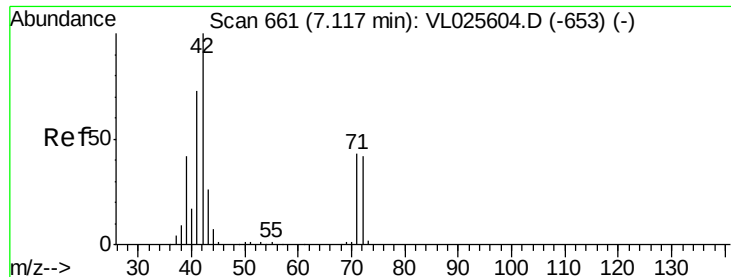
sam
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#40
 1,4-Dioxane
 Concen: 1.62 ppbv m
 RT: 9.13 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	197.3	127.1	190.7#
43	603.7	337.7	506.5#
57	2902.2	1533.2	2299.8#





#41

Tetrahydrofuran

Concen: 2.05 ppbv

RT: 7.12 min Scan# 662

Delta R.T. 0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

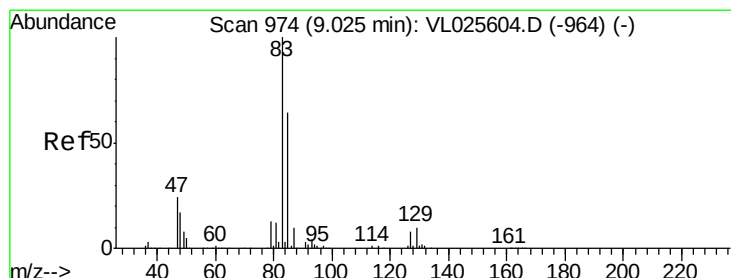
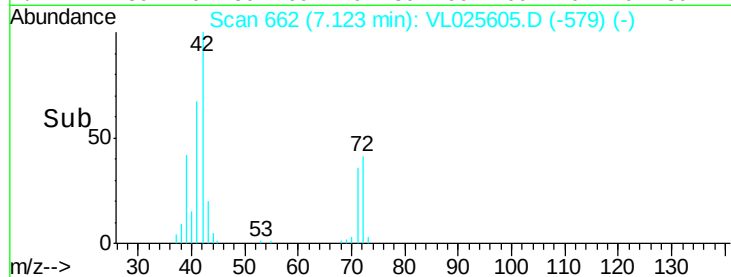
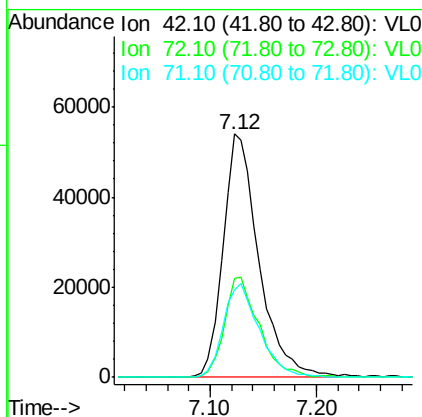
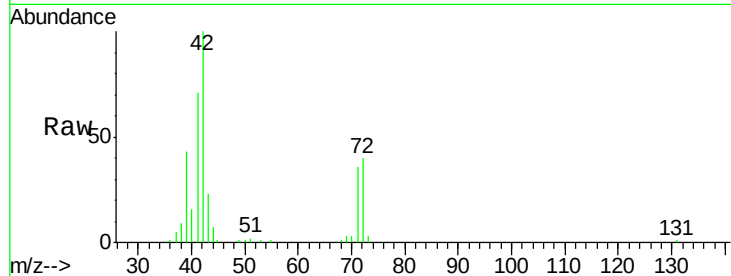
ClientSampleId :

VSTDIC002

Tot Ion:	42	Resp:	126682
Ion Ratio		Lower	Upper
42	100		
72	40.0	34.0	51.0
71	38.8	33.0	49.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 2.46 ppbv

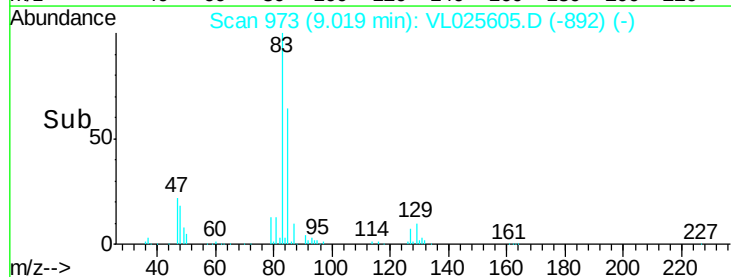
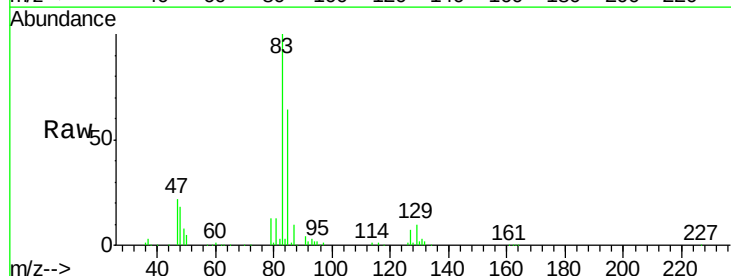
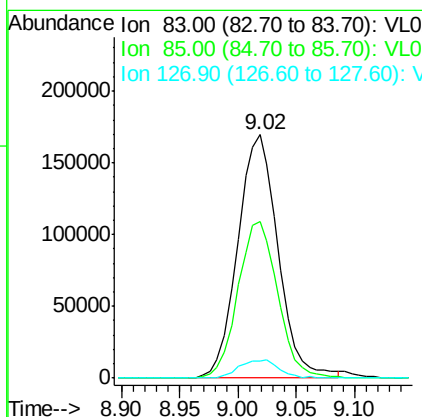
RT: 9.02 min Scan# 973

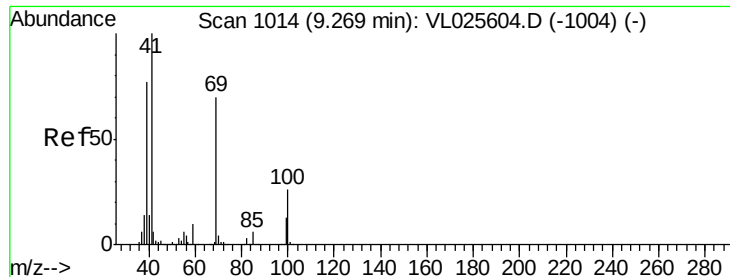
Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion:	83	Resp:	410017
Ion Ratio		Lower	Upper
83	100		
85	64.2	51.3	76.9
127	7.1	6.0	9.0





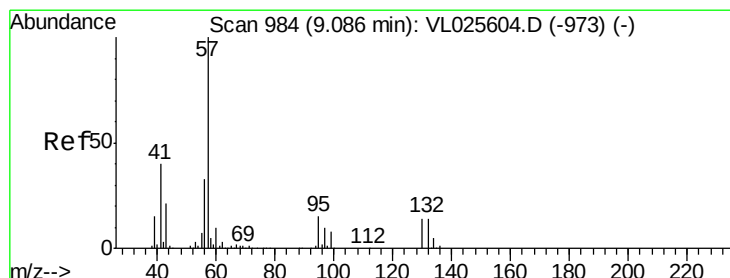
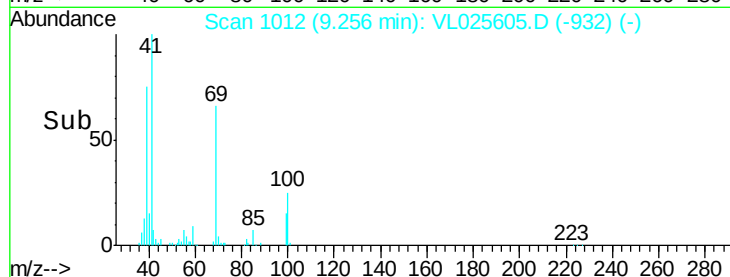
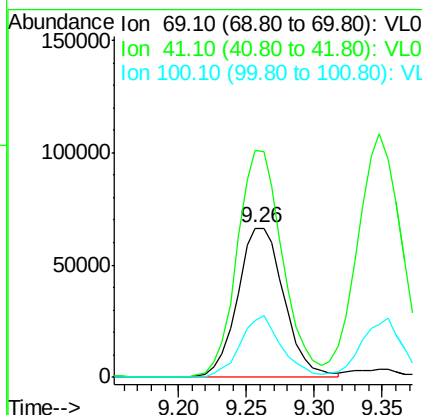
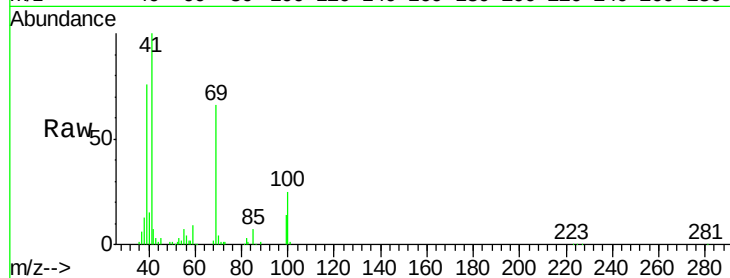
#43
Methvl Methacrylate
Concen: 2.24 ppbv
RT: 9.26 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.3	117.3	175.9
100	37.0	29.0	43.6

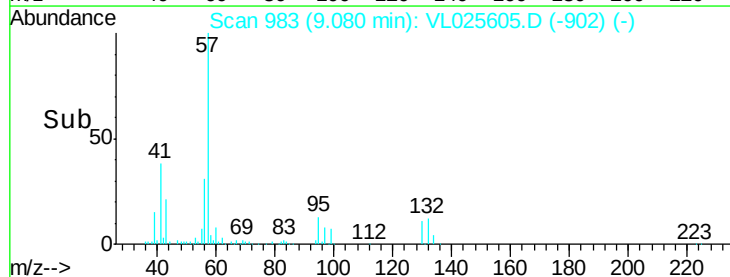
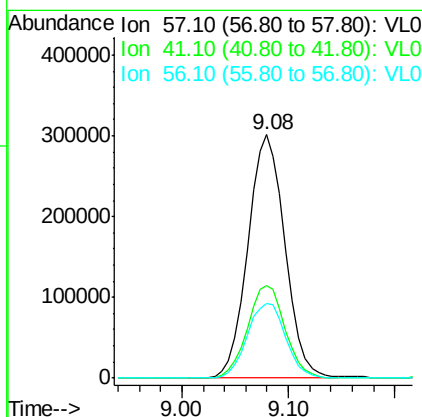
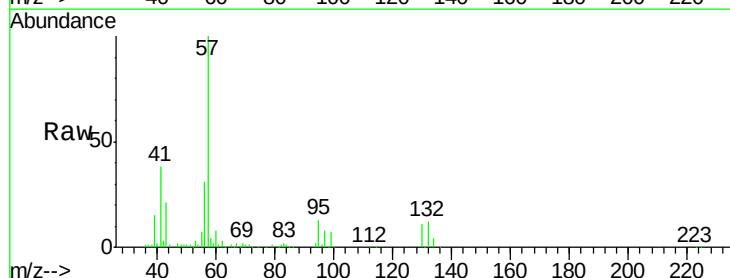
Manual Integrations
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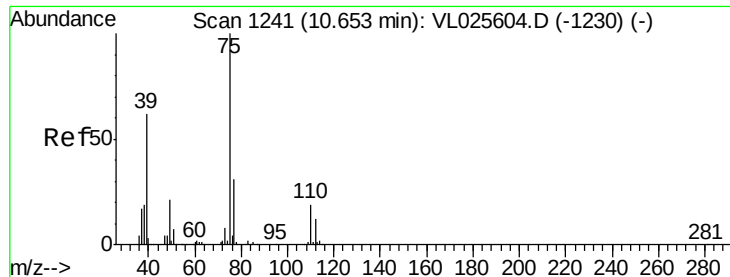
sam
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#44
2,2,4-Trimethylpentane
Concen: 2.23 ppbv
RT: 9.08 min Scan# 983
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	38.8	31.2	46.8
56	31.9	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 2.37 ppbv

RT: 10.65 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 263355

Ion Ratio Lower Upper

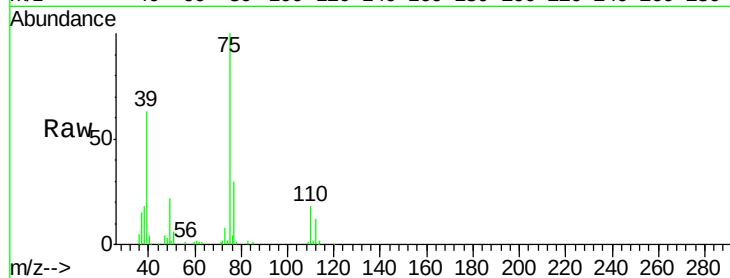
75 100

77 30.1 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

120000

100000

80000

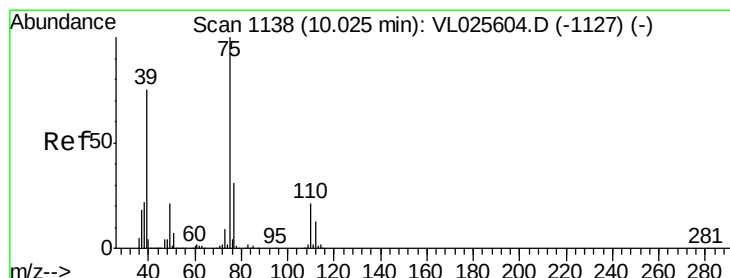
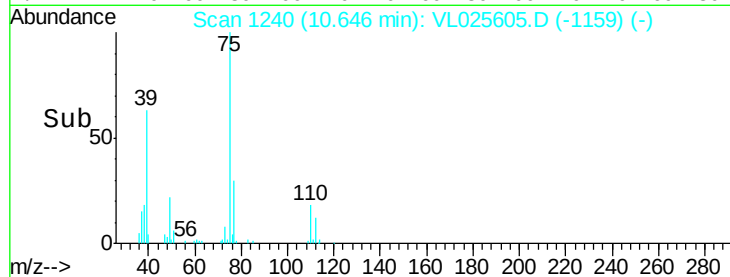
60000

40000

20000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 2.28 ppbv

RT: 10.01 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

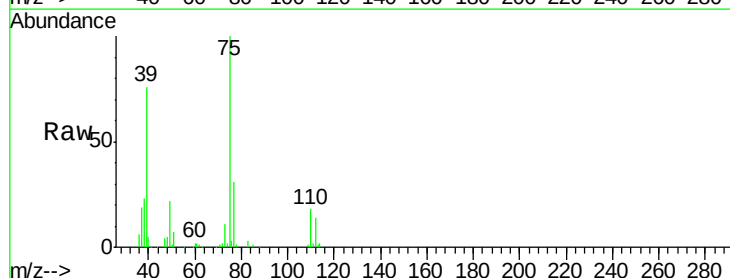
Tgt Ion: 75 Resp: 294076

Ion Ratio Lower Upper

75 100

39 76.4 60.4 90.6

77 30.9 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

10.01

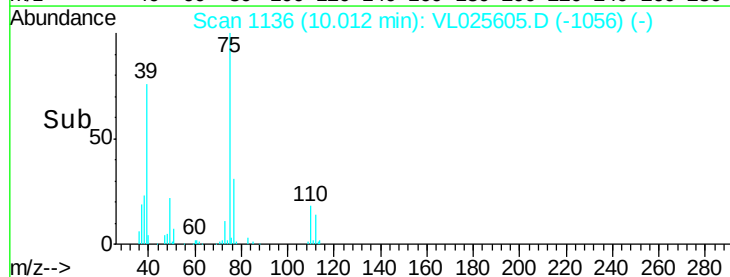
150000

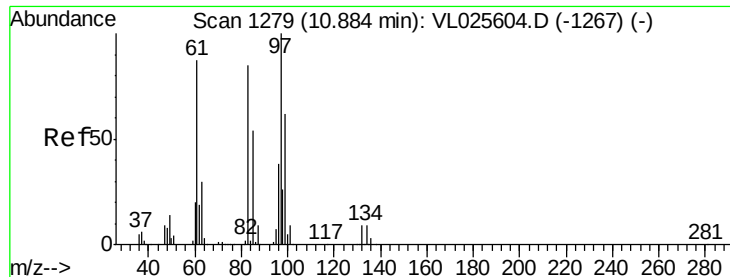
100000

50000

0

Time-->





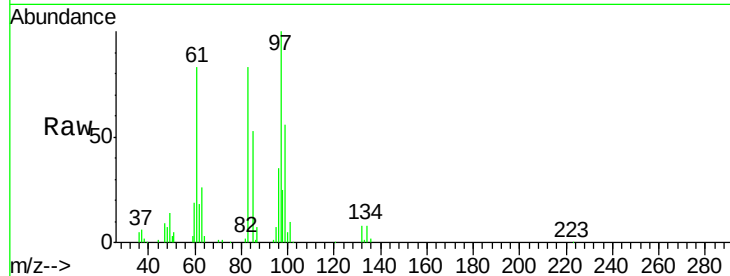
#47
 1,1,2-Trichloroethane
 Concen: 2.37 ppbv
 RT: 10.87 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.8	101.8
85	53.2	43.5	65.3
99	56.0	49.8	74.8

Manual Integrations
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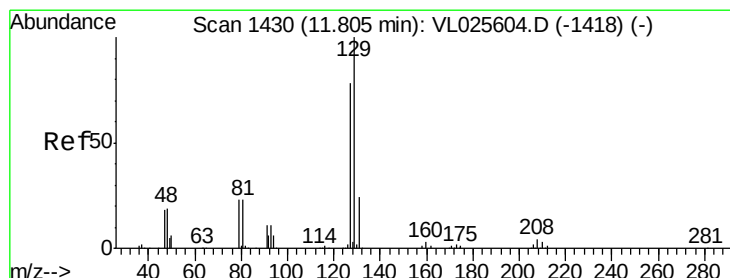
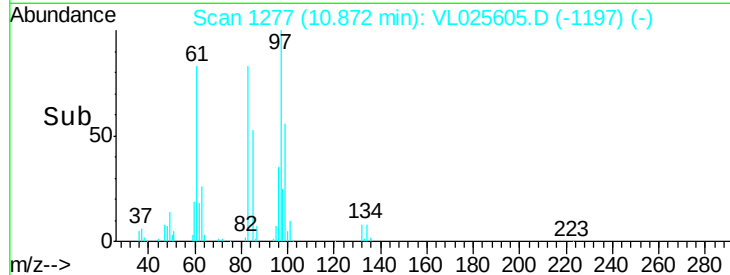
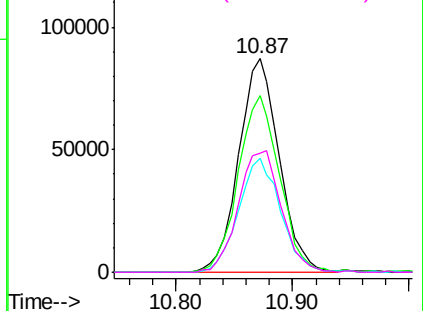


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

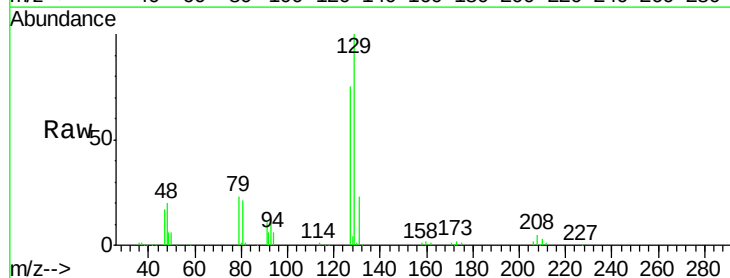
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



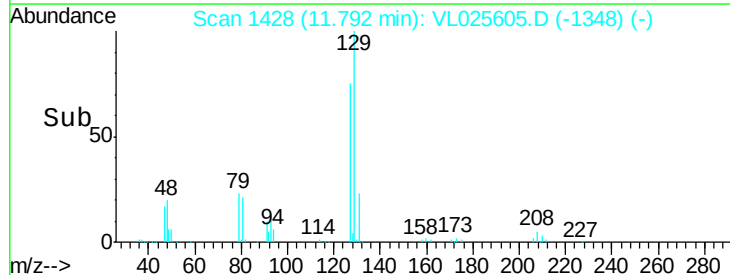
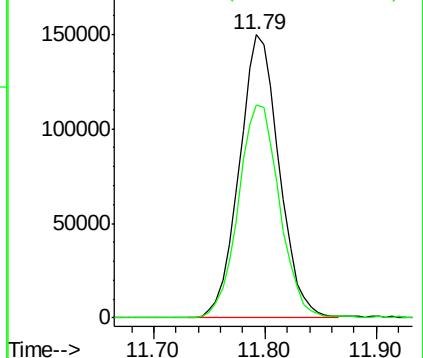
#48
 Dibromochloromethane
 Concen: 2.61 ppbv
 RT: 11.79 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

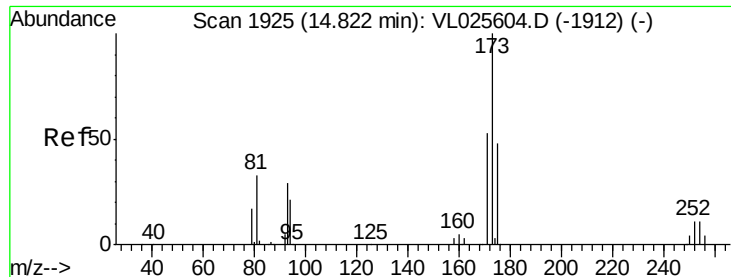
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.0	116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





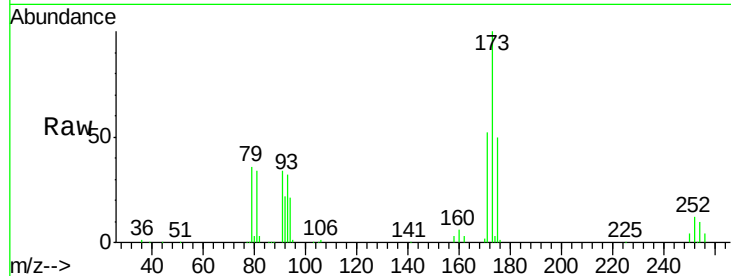
#49
Bromoform
Concen: 2.64 ppbv
RT: 14.80 min Scan# 1922
Delta R.T. -0.02 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

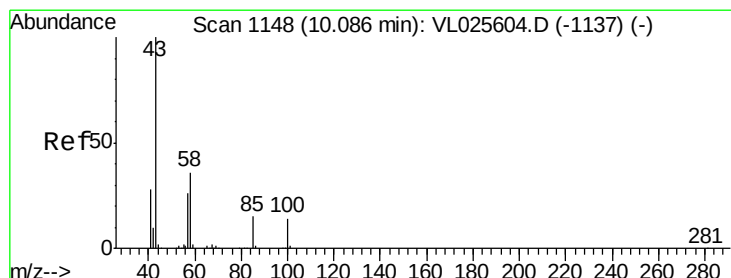
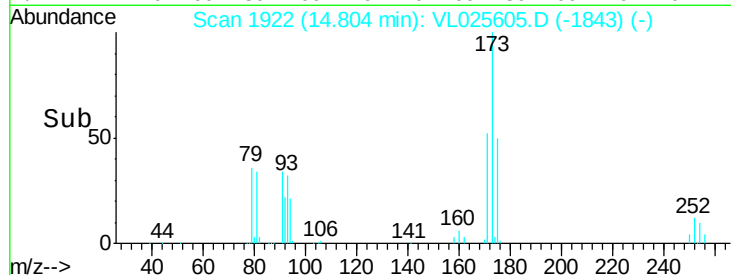
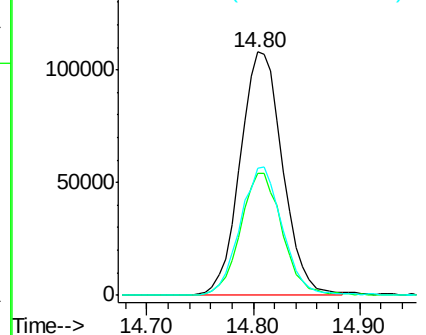
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	39.5	59.3
171	52.6	42.2	63.2

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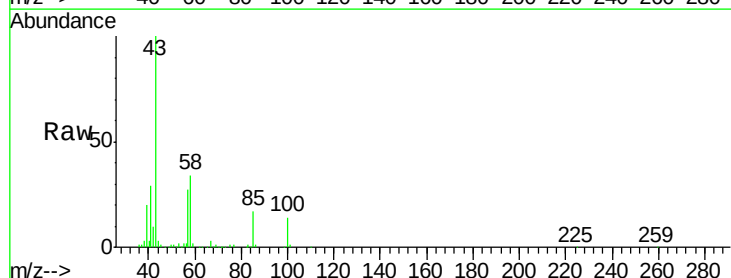


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

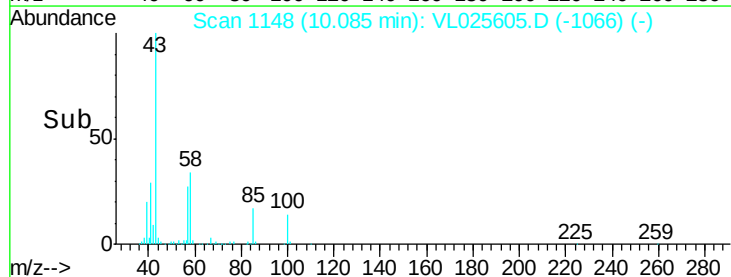
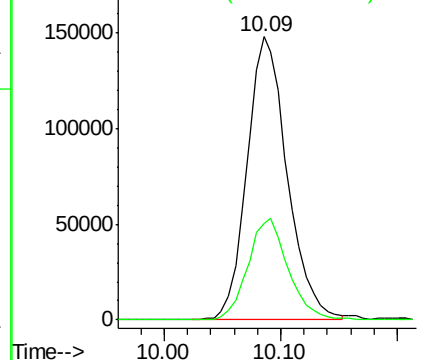


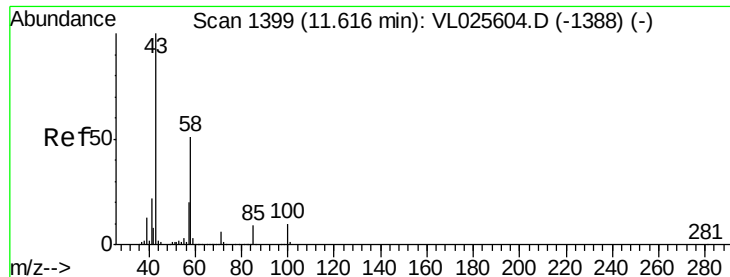
#50
4-Methyl-2-Pentanone
Concen: 2.28 ppbv
RT: 10.09 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.5	42.7



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





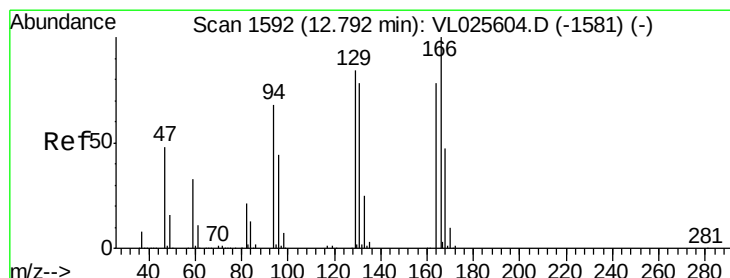
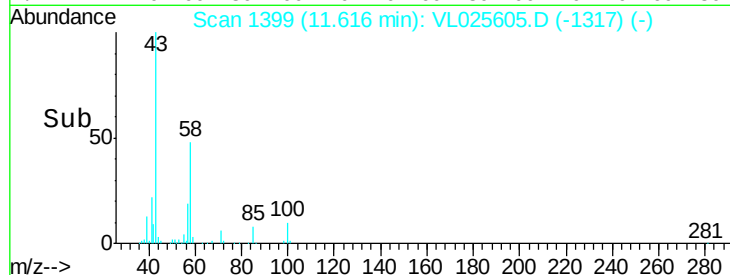
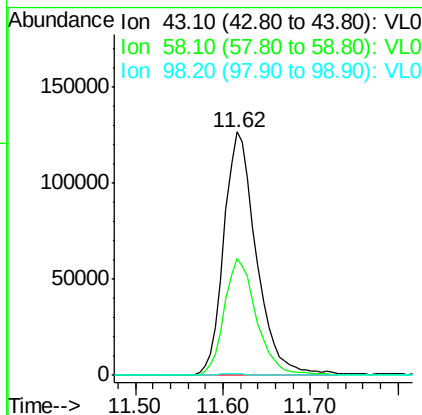
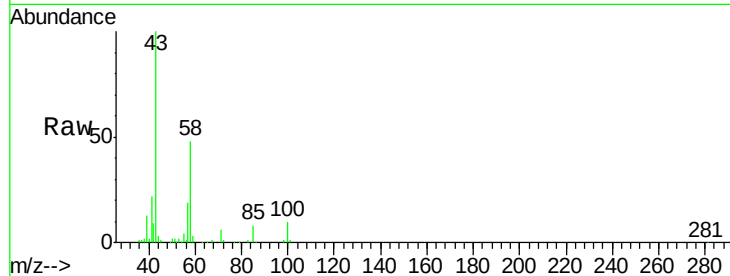
#51
2-Hexanone
Concen: 2.34 ppbv
RT: 11.62 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.0	58.6
98	0.6	0.2	0.4

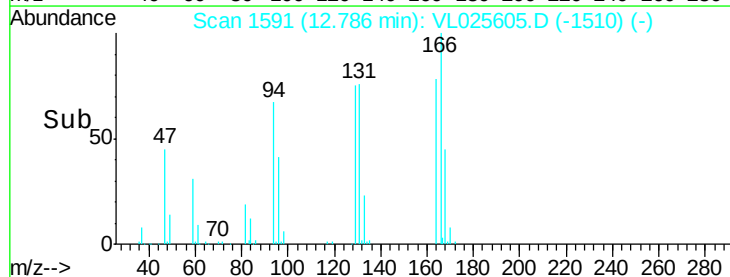
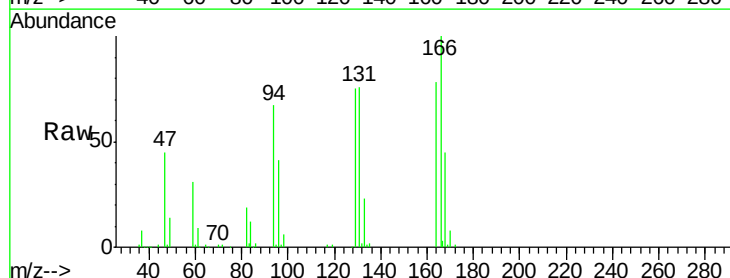
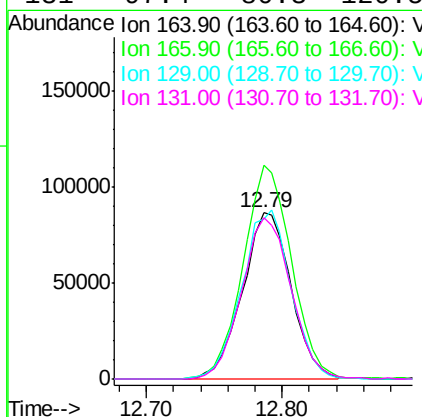
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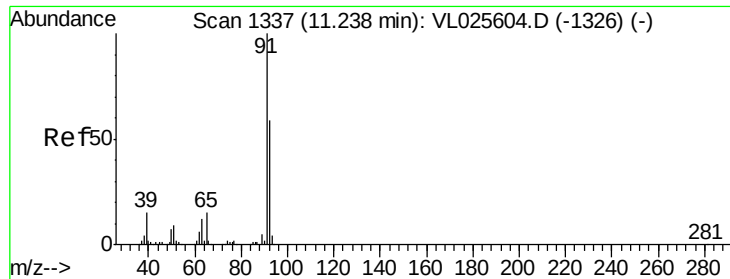
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#52
Tetrachloroethene
Concen: 2.47 ppbv
RT: 12.79 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.3	153.5
129	96.3	86.2	129.4
131	97.4	80.3	120.5





#53

Toluene

Concen: 2.39 ppbv

RT: 11.23 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 602471

Ion Ratio Lower Upper

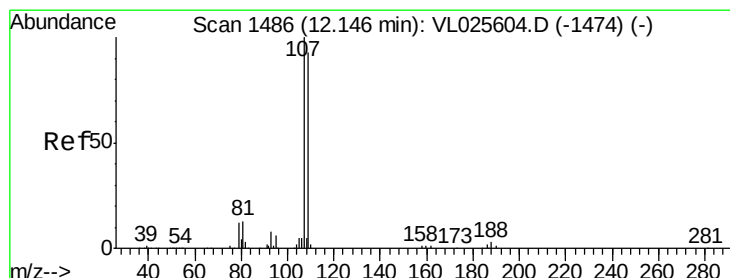
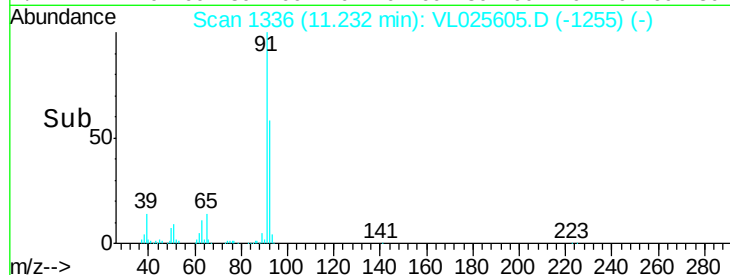
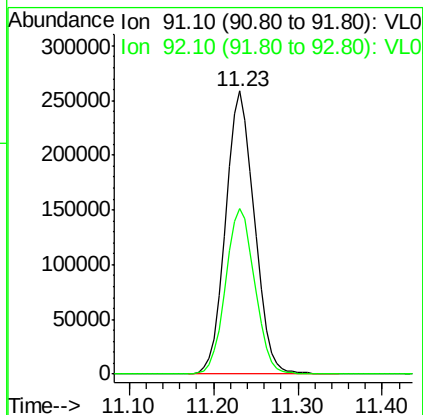
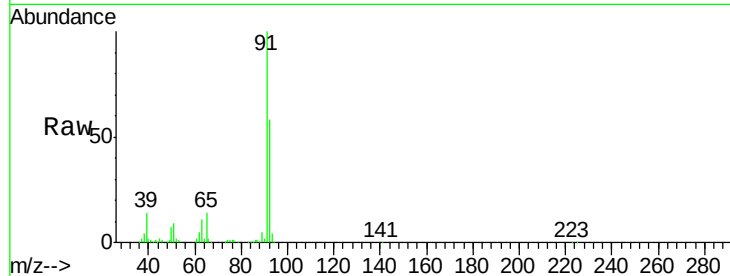
91 100

92 59.4 48.2 72.2

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 2.50 ppbv

RT: 12.13 min Scan# 1484

Delta R.T. -0.01 min

Lab File: VL025605.D

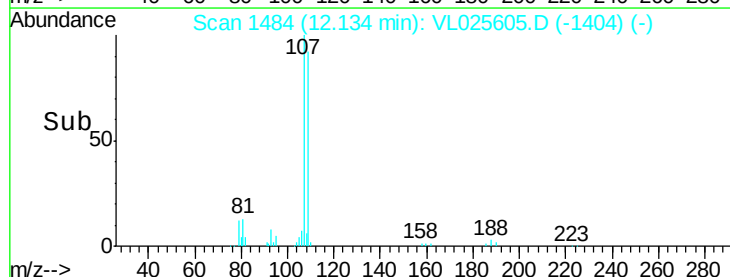
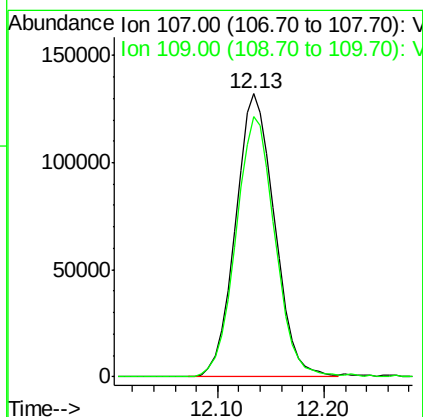
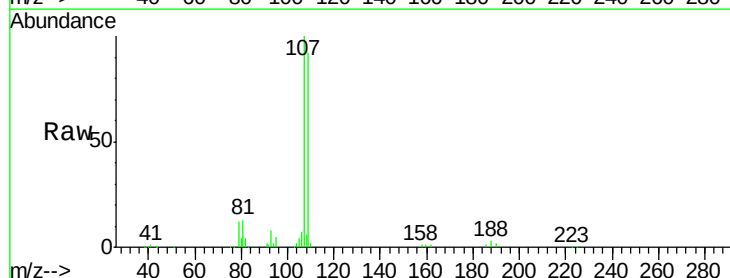
Acq: 7 Jul 2015 11:13

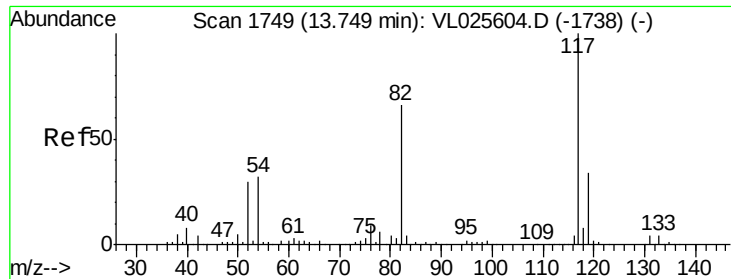
Tgt Ion: 107 Resp: 340426

Ion Ratio Lower Upper

107 100

109 92.0 74.1 111.1





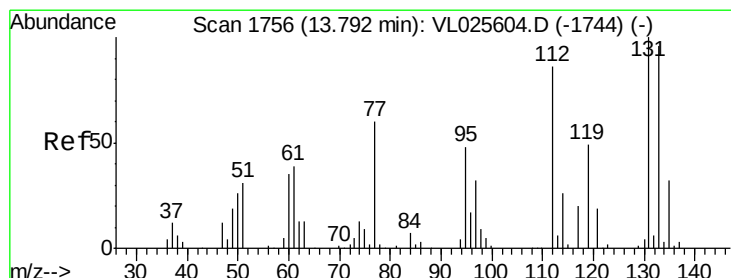
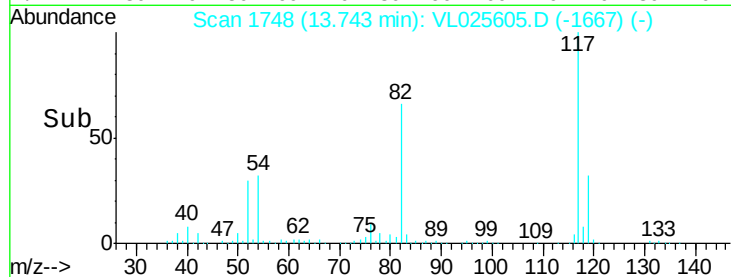
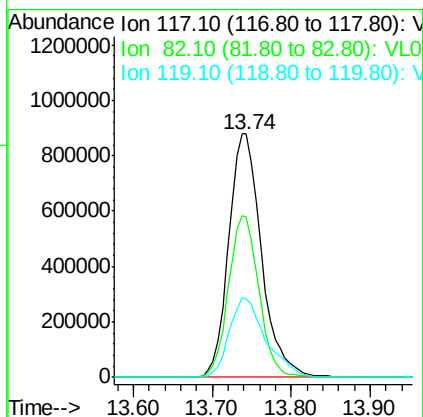
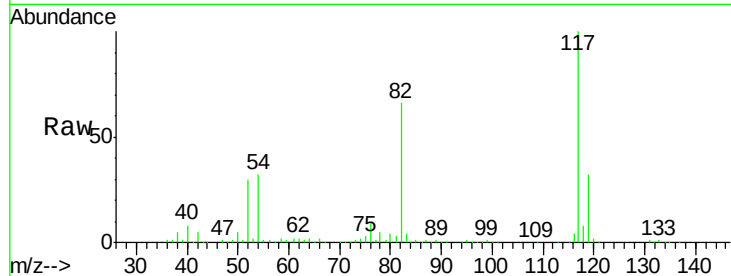
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 2530178
Ion Ratio Lower Upper
117 100
82 62.2 50.5 75.7
119 37.0 45.1 67.7#

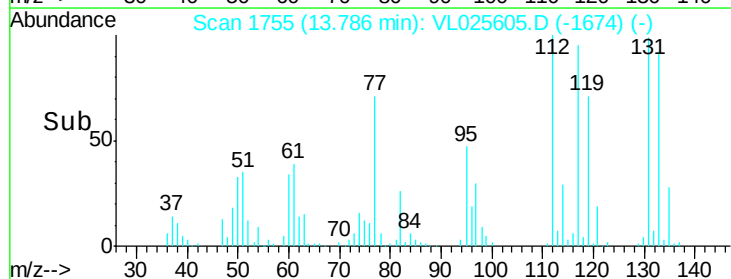
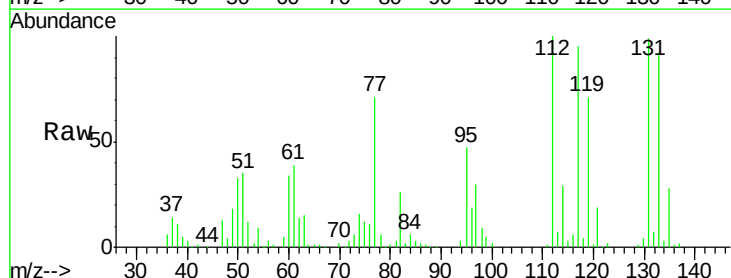
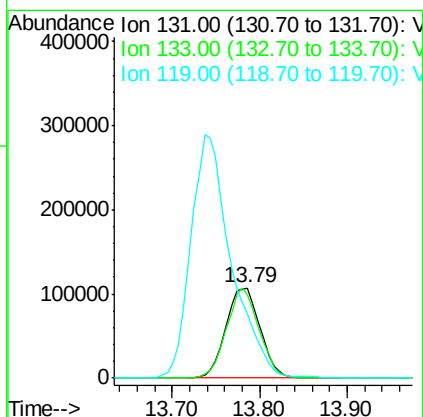
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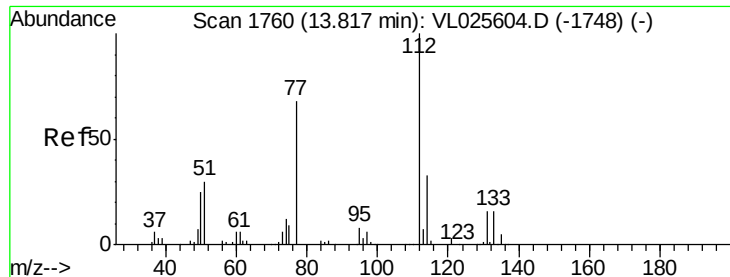
sam
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.43 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion:131 Resp: 292021
Ion Ratio Lower Upper
131 100
133 94.6 76.9 115.3
119 320.9 97.8 146.8#





#57

Chlorobenzene

Concen: 2.35 ppbv

RT: 13.80 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

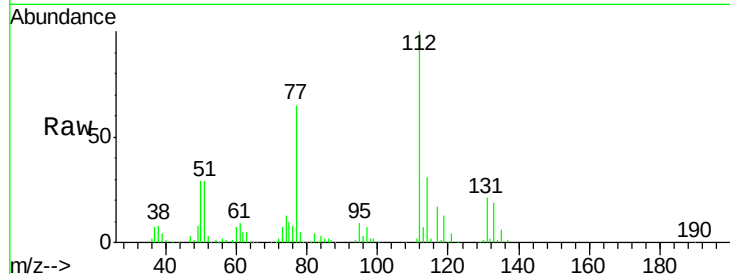
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	582106
Ion Ratio	Lower	Upper	
112	100		
77	64.6	55.2	82.8
114	30.8	29.4	36.0

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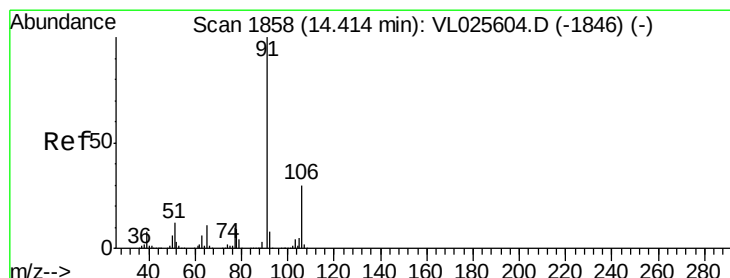
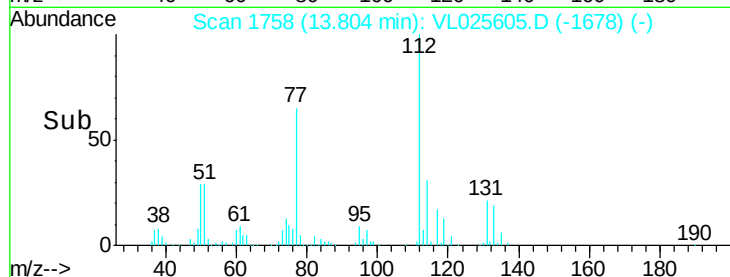
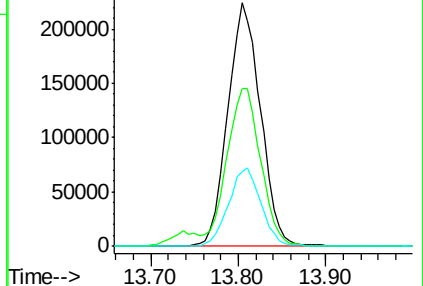
sam
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 2.37 ppbv

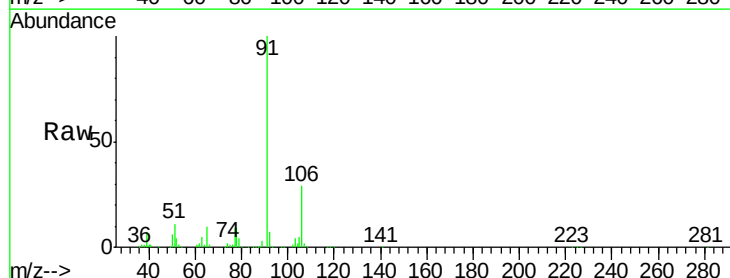
RT: 14.40 min Scan# 1856

Delta R.T. -0.01 min

Lab File: VL025605.D

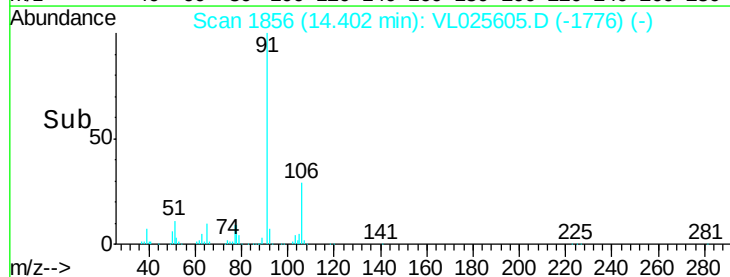
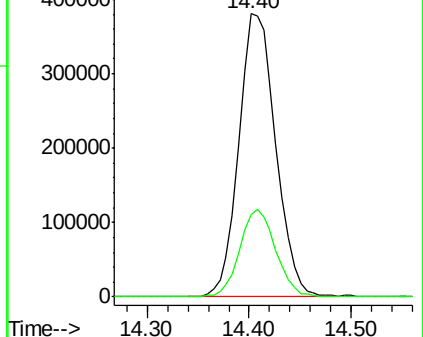
Acq: 7 Jul 2015 11:13

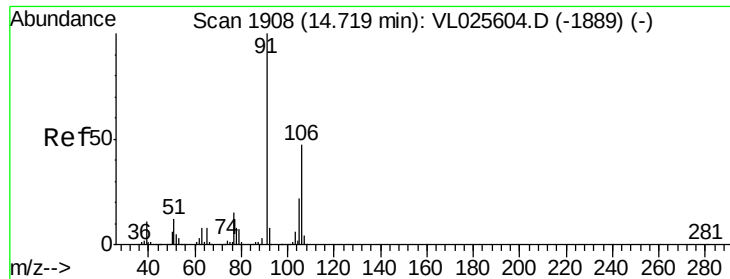
Tgt Ion:	91	Resp:	956518
Ion Ratio	Lower	Upper	
91	100		
106	28.9	24.2	36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





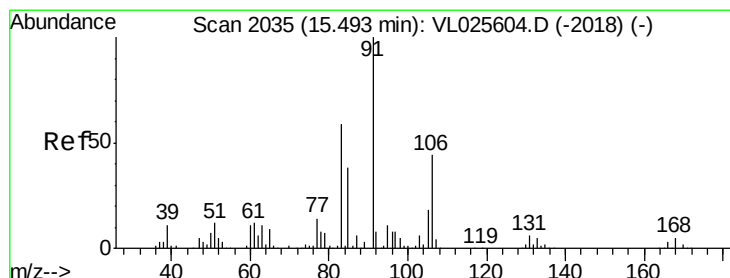
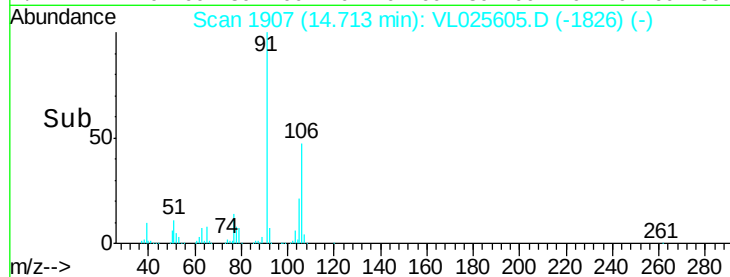
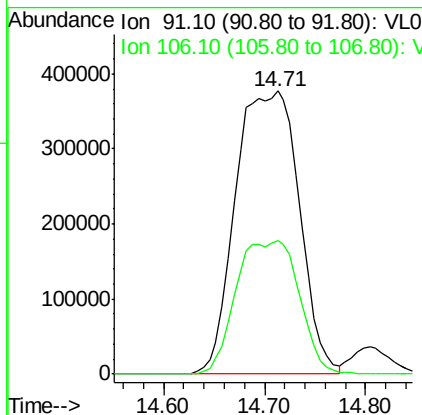
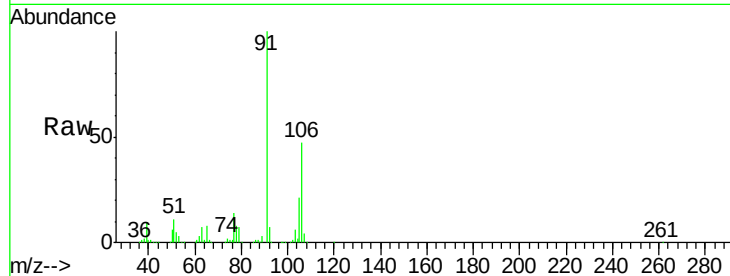
#59
m/p-Xylene
Concen: 4.88 ppbv m
RT: 14.71 min Scan# 1907
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1641495
Ion Ratio Lower Upper
91 100
106 47.1 37.9 56.9

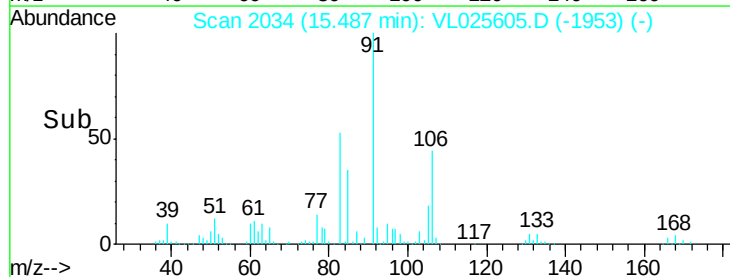
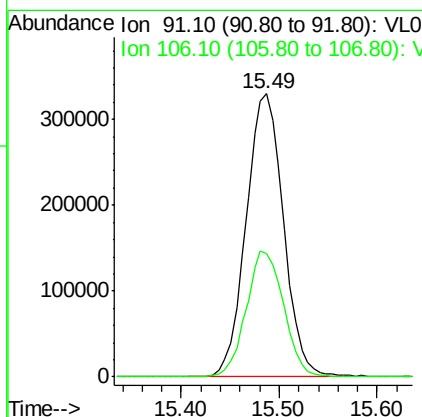
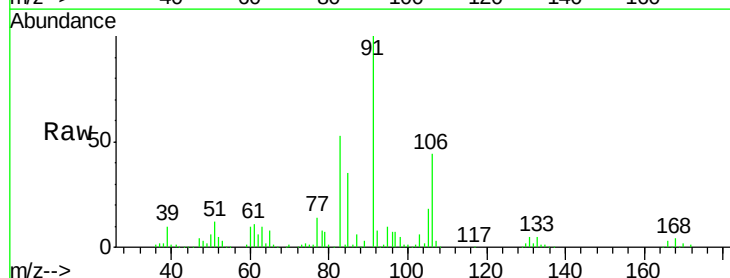
Manual Integrations
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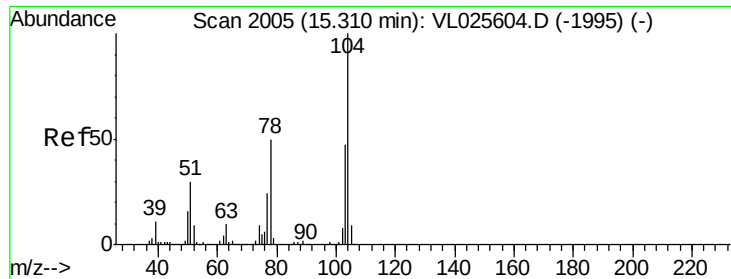
sam
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#60
o-Xylene
Concen: 2.45 ppbv
RT: 15.49 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion: 91 Resp: 877604
Ion Ratio Lower Upper
91 100
106 44.8 22.1 66.1





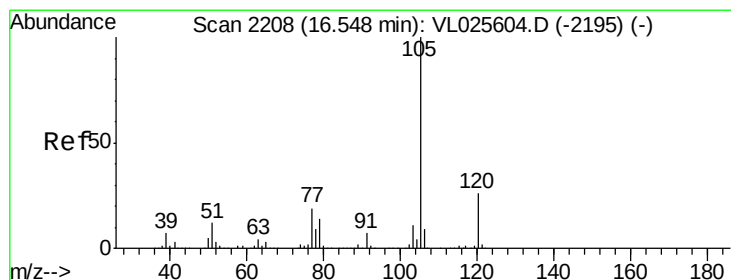
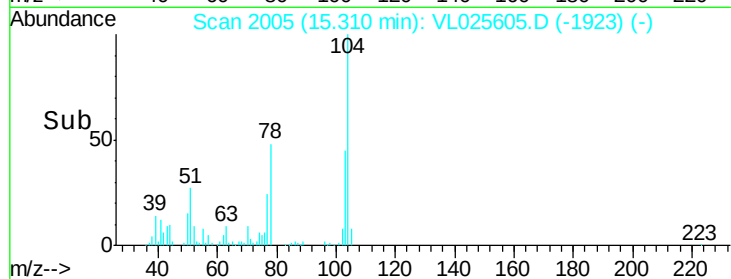
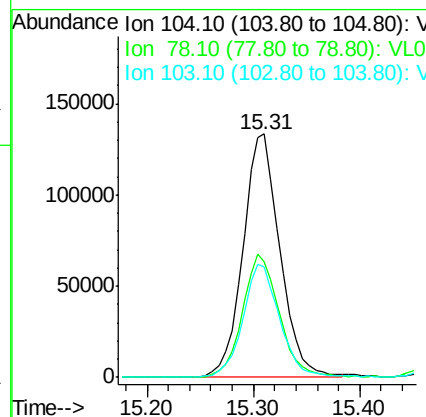
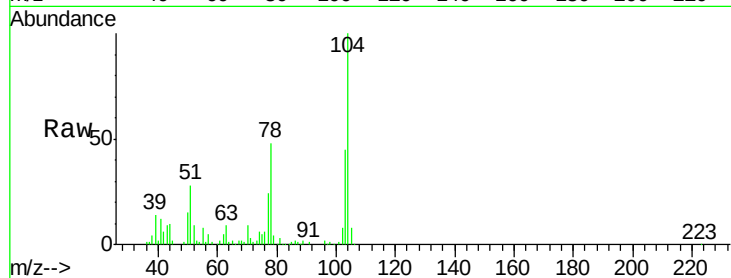
#61
Stvrene
Concen: 2.38 ppbv
RT: 15.31 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.2	60.4
103	46.4	37.4	56.2

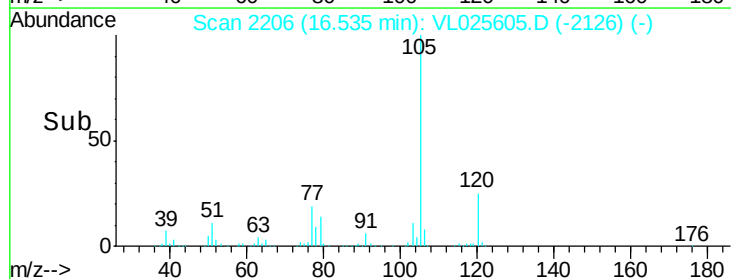
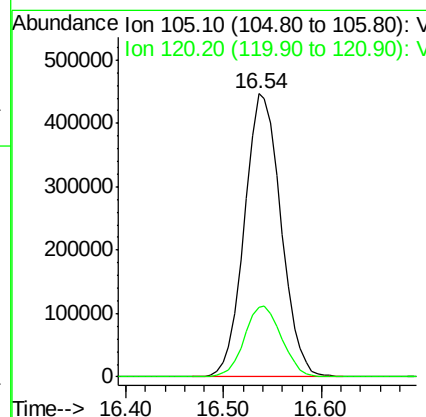
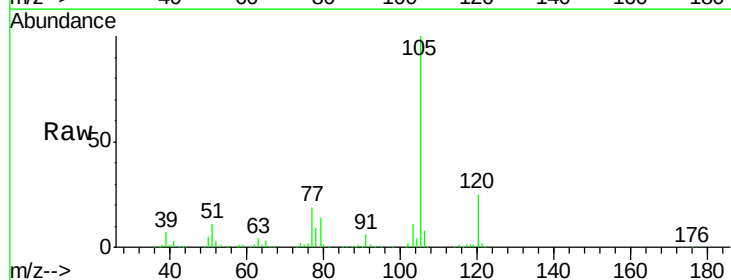
Manual Integrations
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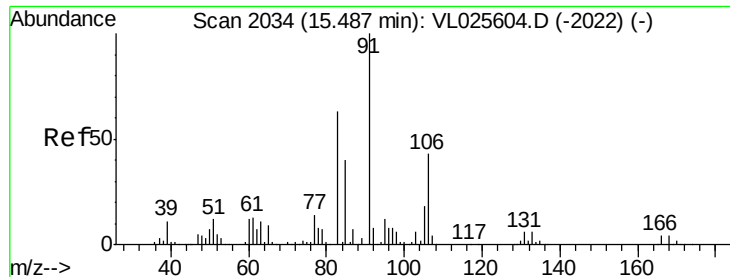
sam
7/8/2015 11:04:25 AM



#62
Isopropylbenzene
Concen: 2.46 ppbv
RT: 16.54 min Scan# 2206
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.6	31.0





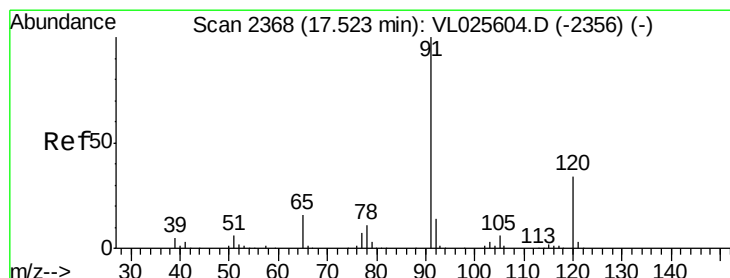
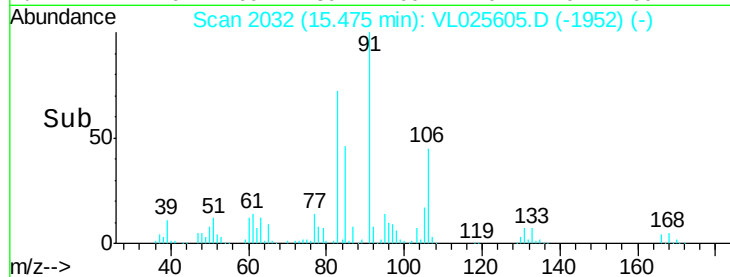
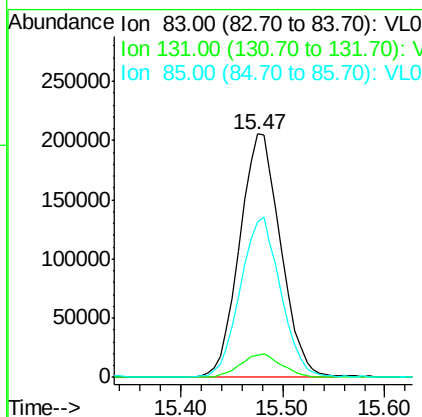
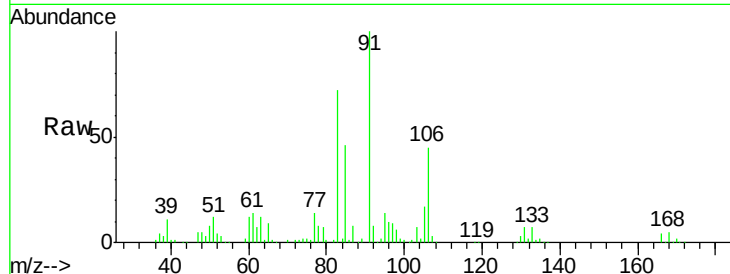
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.27 ppbv
 RT: 15.47 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	83	Resp	575428
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.8	14.4
85	65.0	32.4	97.2

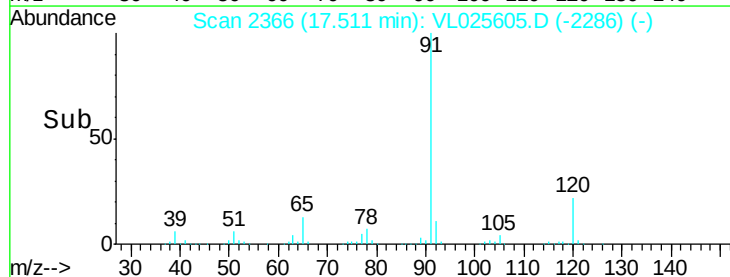
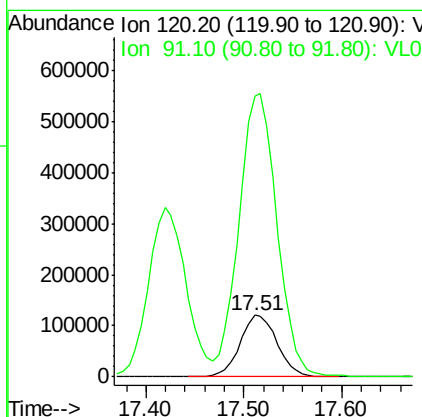
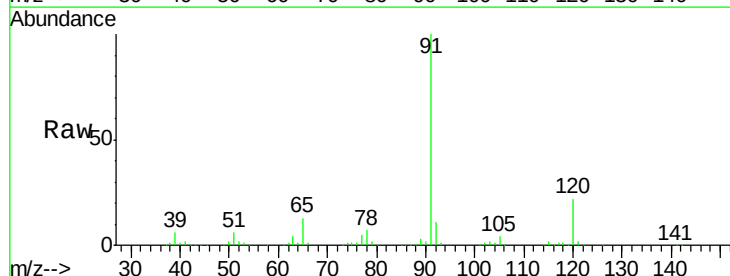
Manual Integrations
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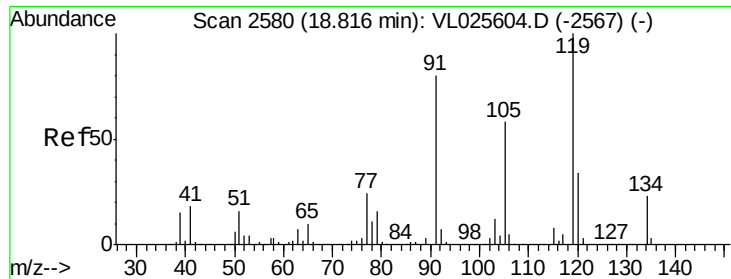
sam
 7/8/2015 11:04:25 AM



#64
 n-propylbenzene
 Concen: 2.55 ppbv
 RT: 17.51 min Scan# 2366
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion	120	Resp	318607
Ion Ratio	Lower	Upper	
120	100		
91	464.0	370.5	555.7





#65

tert-Butylbenzene

Concen: 2.66 ppbv

RT: 18.81 min Scan# 2579

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1166634

Ion Ratio Lower Upper

119 100

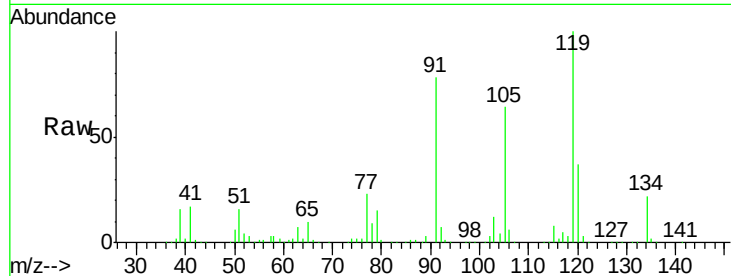
91 79.5 64.5 96.7

134 21.7 17.4 26.0

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sam

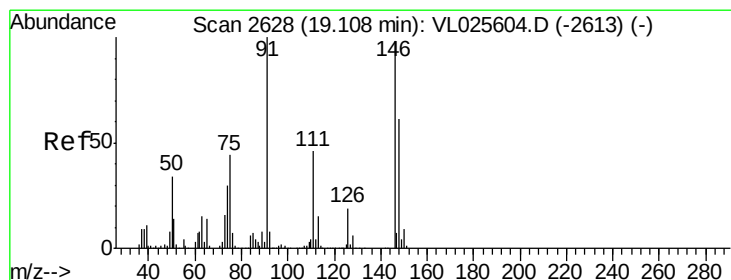
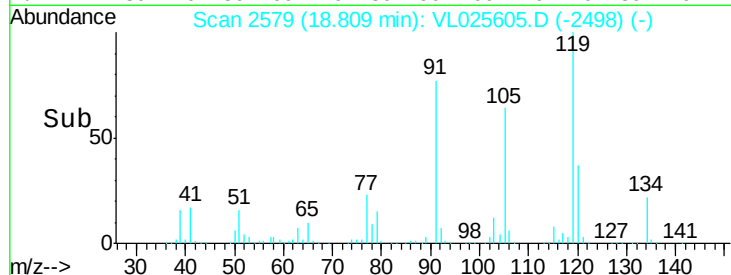
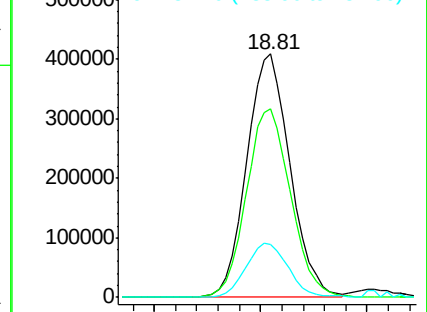
7/8/2015 11:04:25 AM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 2.69 ppbv

RT: 19.10 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

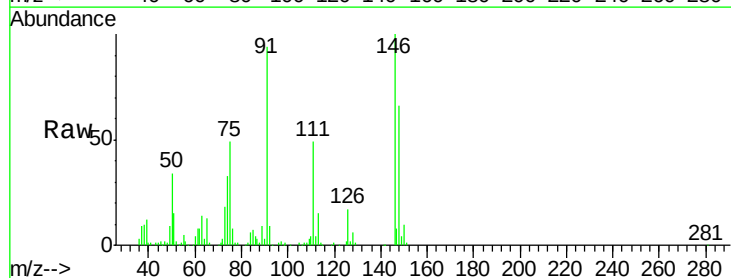
Tgt Ion: 91 Resp: 403986

Ion Ratio Lower Upper

91 100

126 18.1 14.5 21.7

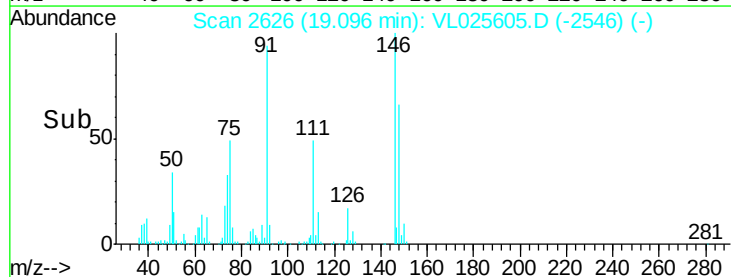
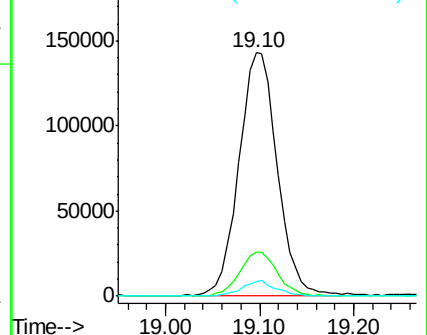
128 5.7 4.6 7.0

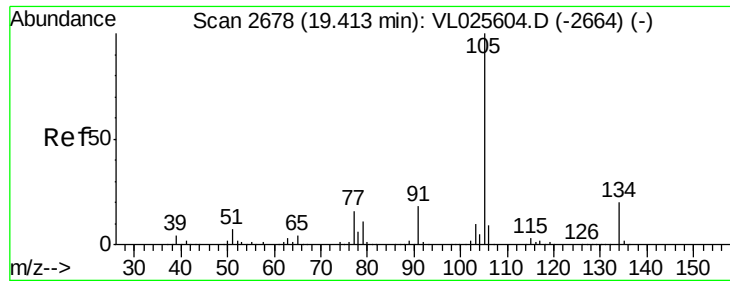


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





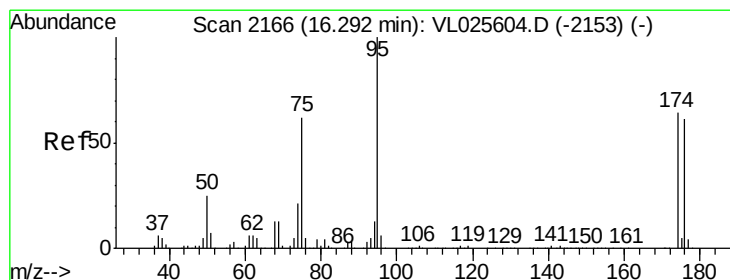
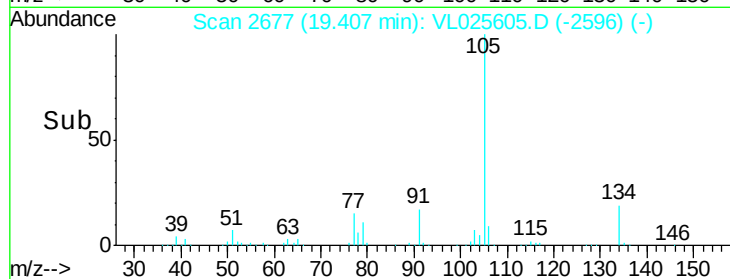
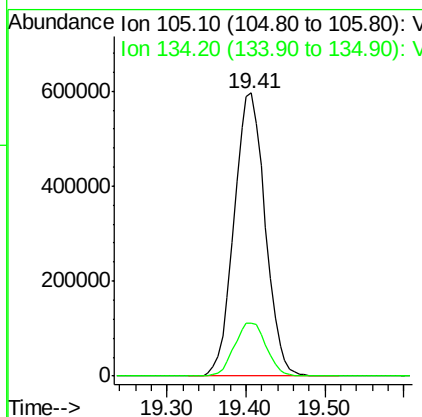
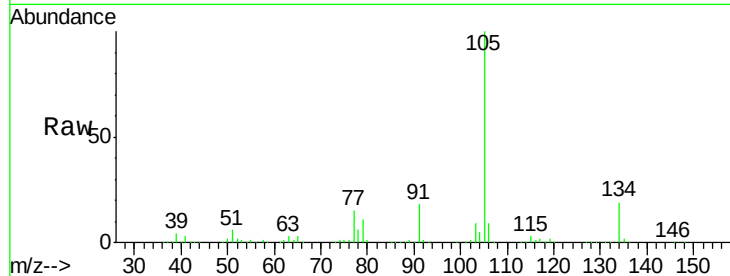
#67
 sec-Butylbenzene
 Concen: 2.66 ppbv
 RT: 19.41 min Scan# 2677
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:105 Resp: 1638356
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.2

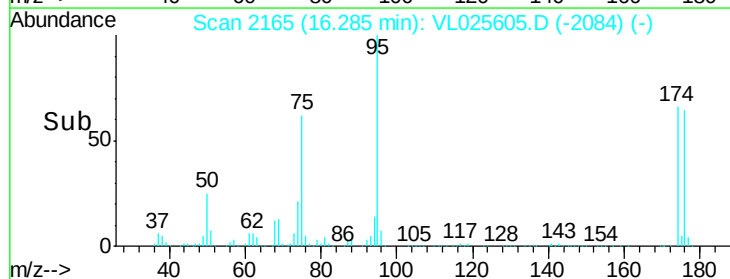
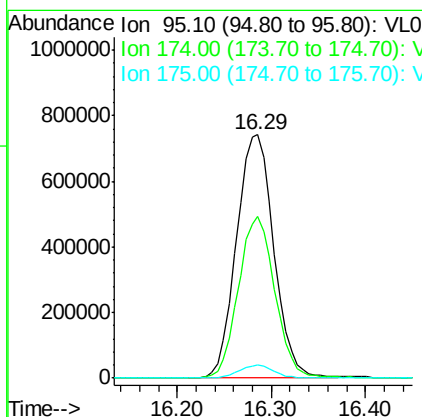
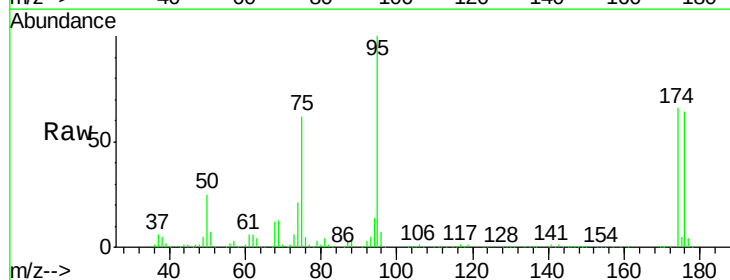
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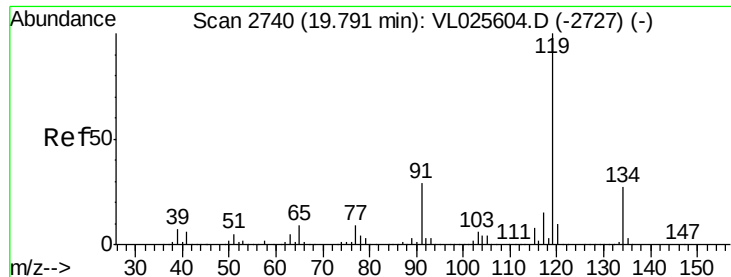
sam
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.85 ppbv
 RT: 16.29 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion: 95 Resp: 2058947
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.0 78.0
 175 5.0 3.9 5.9





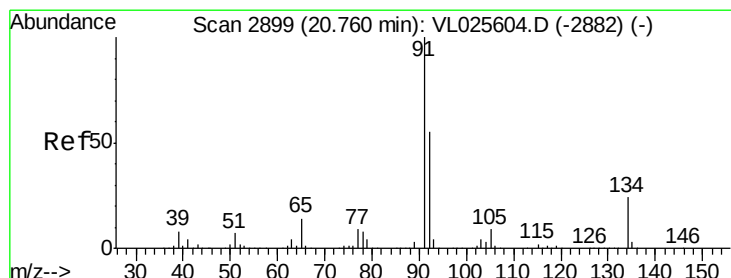
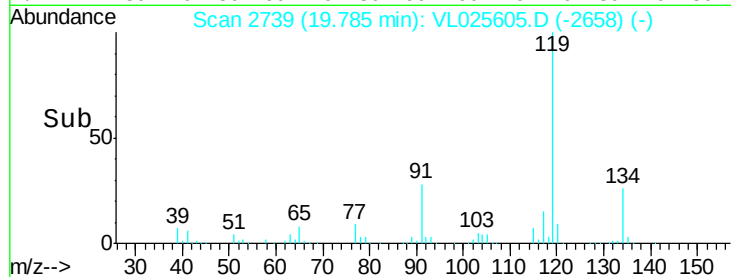
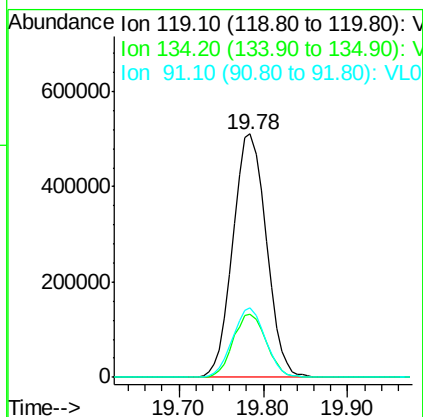
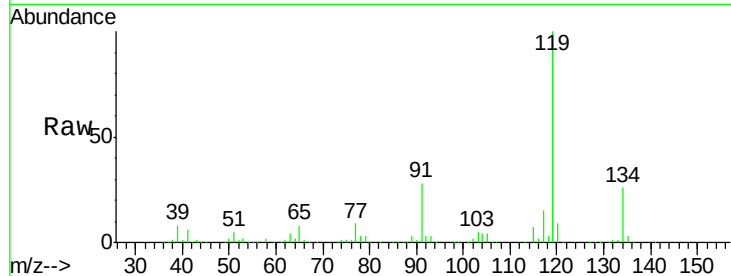
#69
 p-Isopropyltoluene
 Concen: 2.75 ppbv
 RT: 19.78 min Scan# 2739
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion: 119 Resp: 1378726
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.7 31.1
 91 28.1 22.6 34.0

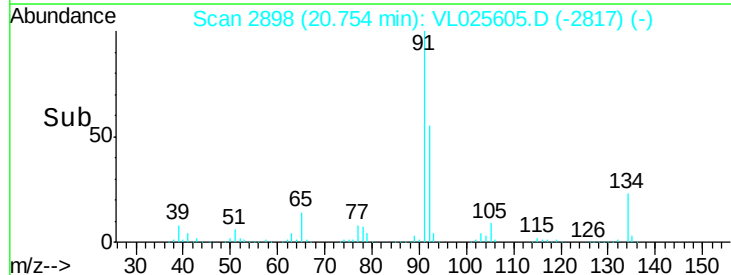
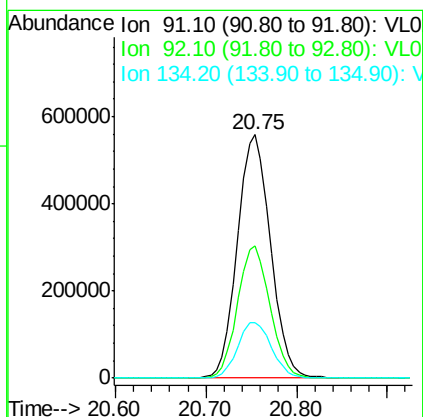
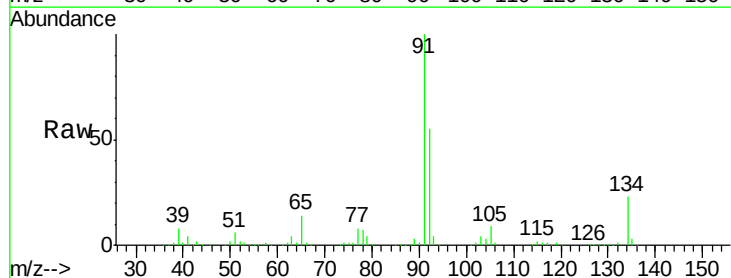
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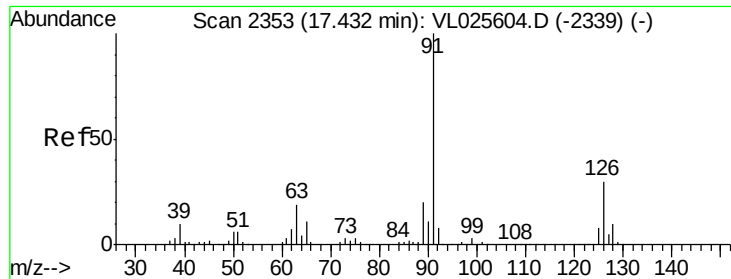
sam
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#70
 n-Butylbenzene
 Concen: 2.91 ppbv
 RT: 20.75 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion: 91 Resp: 1418699
 Ion Ratio Lower Upper
 91 100
 92 53.5 44.3 66.5
 134 23.4 19.4 29.2





#71

2-Chlorotoluene

Concen: 2.53 ppbv

RT: 17.42 min Scan# 2351

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 889001

Ion Ratio Lower Upper

91 100

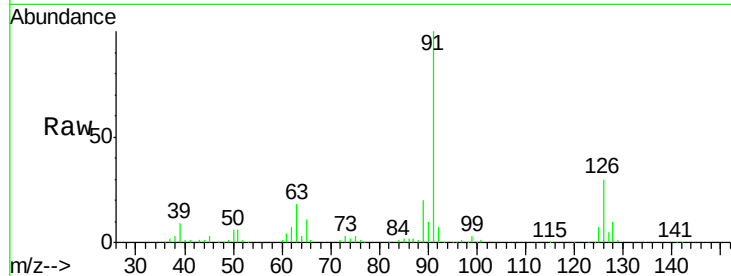
126 30.2 12.2 49.0

Manual Integrations

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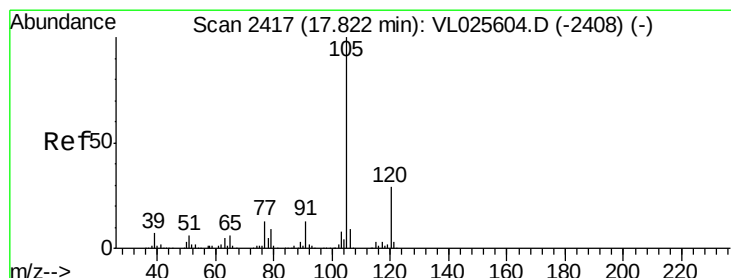
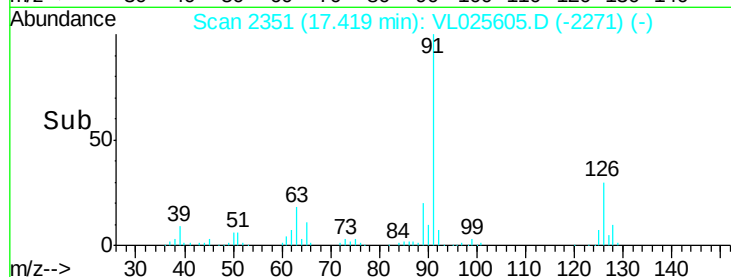
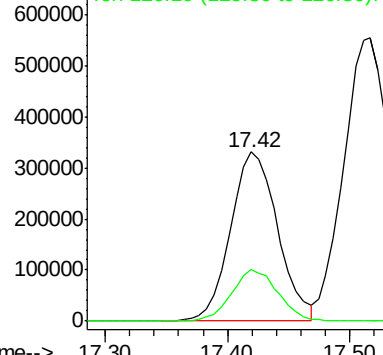
sam

7/8/2015 11:04:25 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 2.58 ppbv

RT: 17.82 min Scan# 2416

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion:105 Resp: 1009618

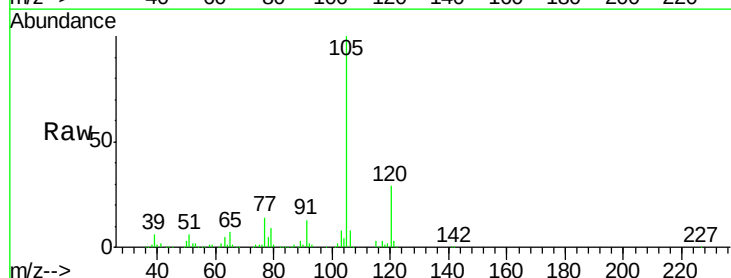
Ion Ratio Lower Upper

105 100

120 30.4 23.9 35.9

91 13.6 10.3 15.5

77 13.5 10.9 16.3

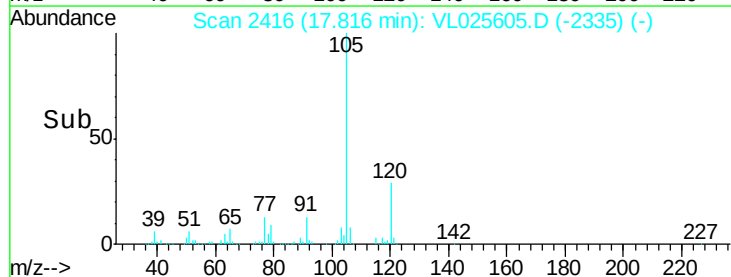
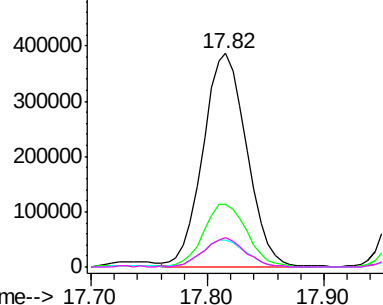


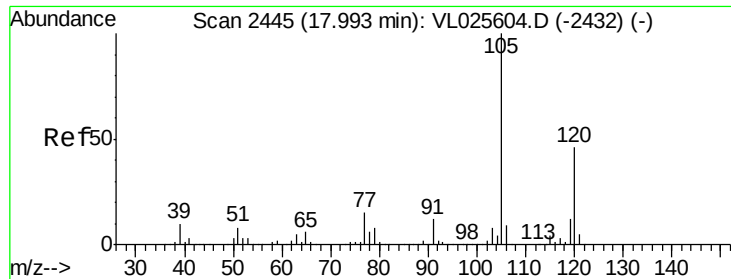
Abundance Ion 105.10 (104.80 to 105.80): V

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: 2.61 ppbv

RT: 17.98 min Scan# 2443

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 983196

Ion Ratio Lower Upper

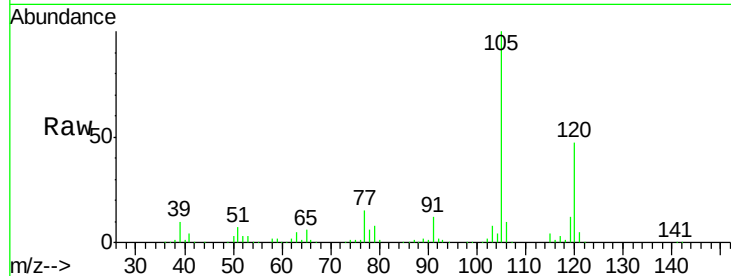
105 100

120 46.9 37.0 55.4

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

17.98

400000

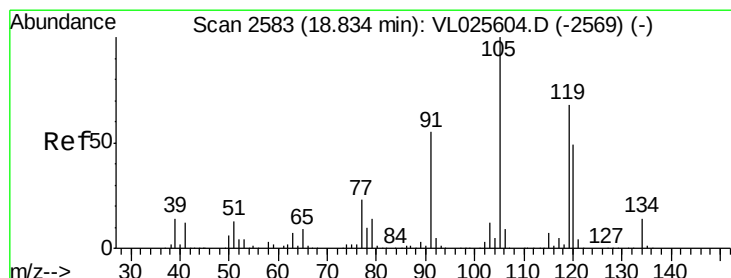
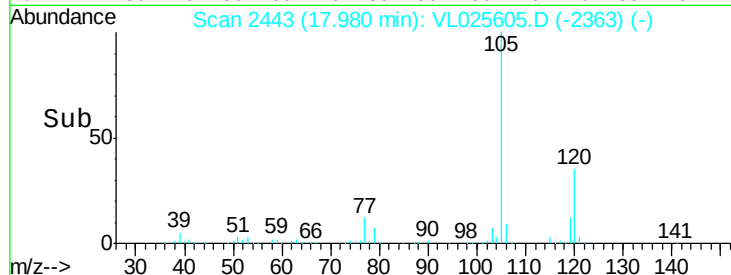
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.71 ppbv

RT: 18.83 min Scan# 2582

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion:105 Resp: 1099162

Ion Ratio Lower Upper

105 100

120 47.0 39.3 58.9

91 45.1 43.8 65.6

77 21.1 18.3 27.5

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

18.83

600000

500000

400000

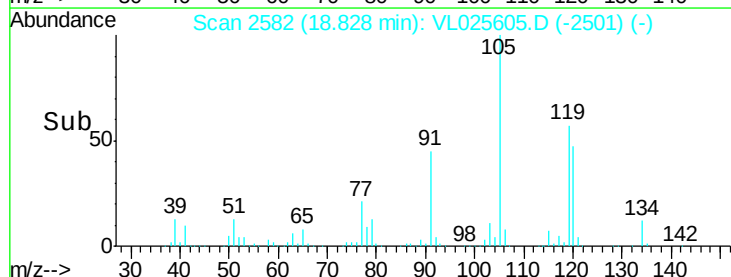
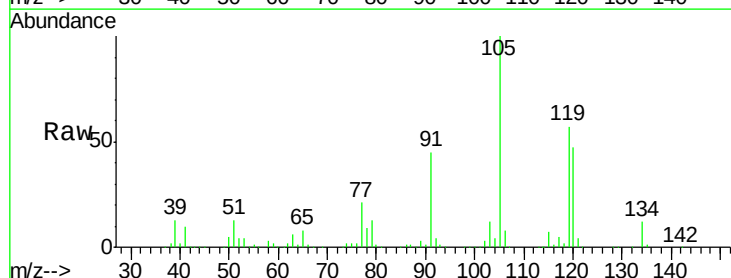
300000

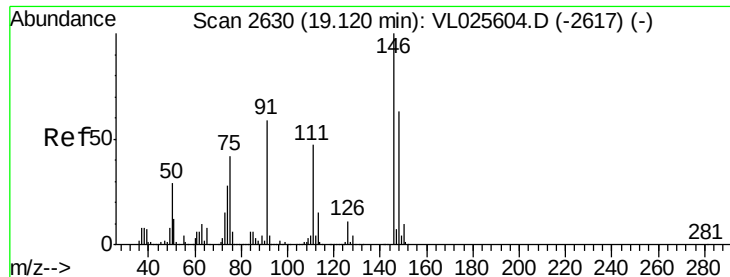
200000

100000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 2.69 ppbv

RT: 19.11 min Scan# 2629

Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Instrument :

MSVOA_L

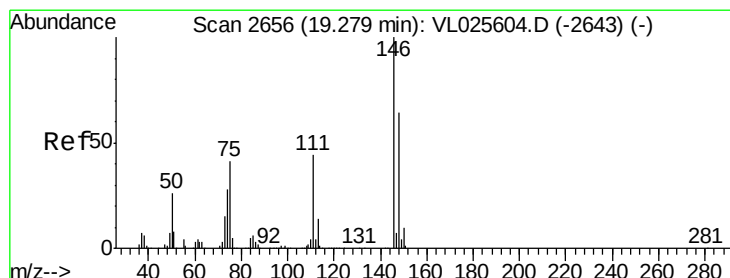
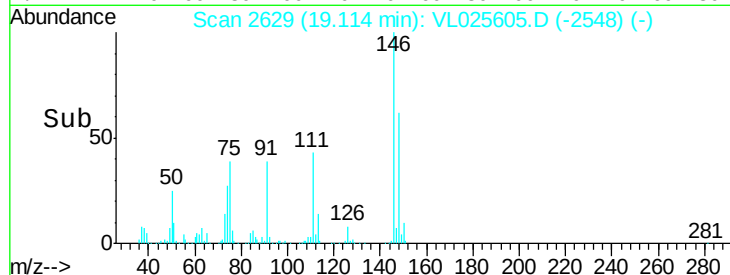
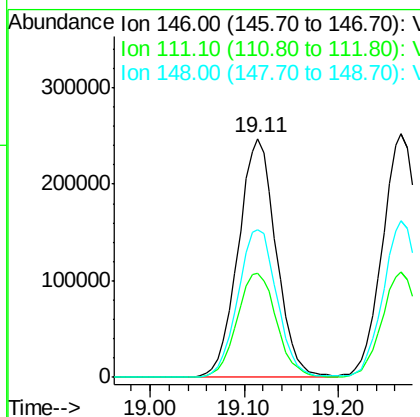
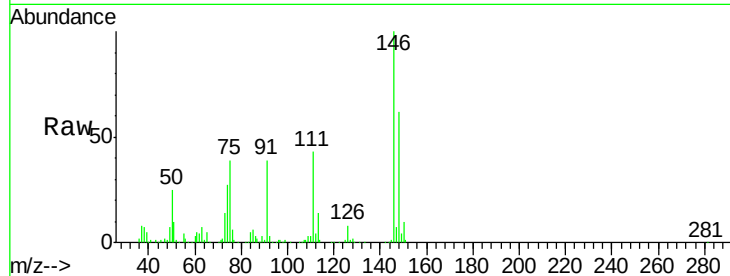
ClientSampleId :

VSTDIC002

Tot Ion:	146	Resp:	696614
Ion Ratio	Lower	Upper	
146	100		
111	45.3	22.7	68.1
148	63.7	31.8	95.3

Manual Integrations
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sam
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#76

1,4-Dichlorobenzene

Concen: 2.72 ppbv

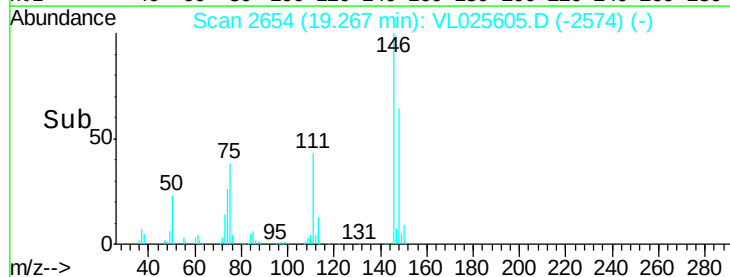
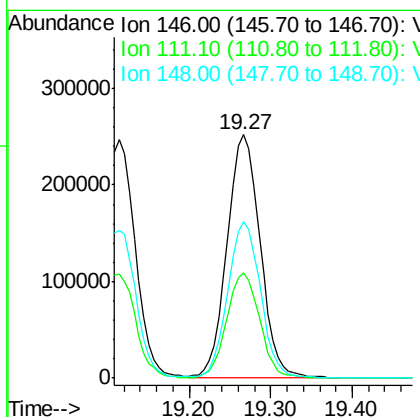
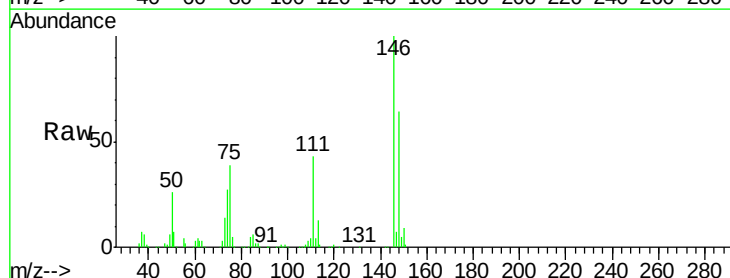
RT: 19.27 min Scan# 2654

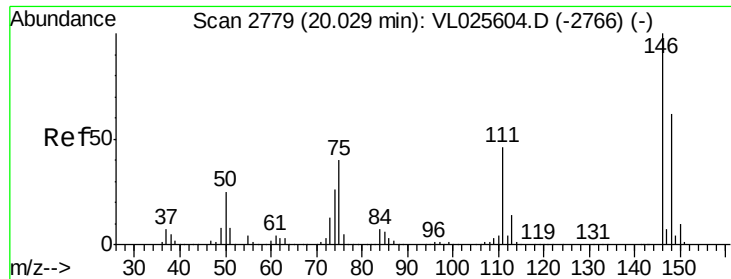
Delta R.T. -0.01 min

Lab File: VL025605.D

Acq: 7 Jul 2015 11:13

Tgt Ion:	146	Resp:	704002
Ion Ratio	Lower	Upper	
146	100		
111	43.8	22.1	66.1
148	64.5	31.9	95.9





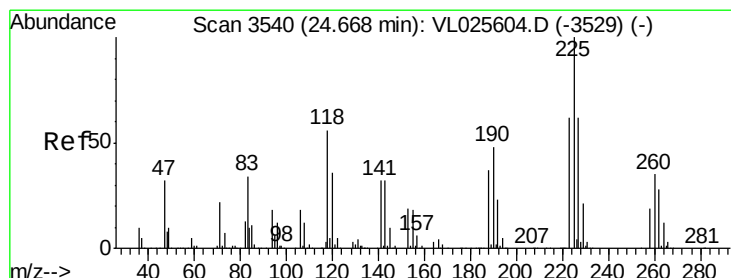
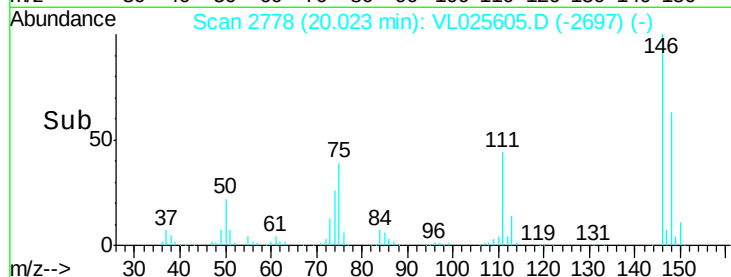
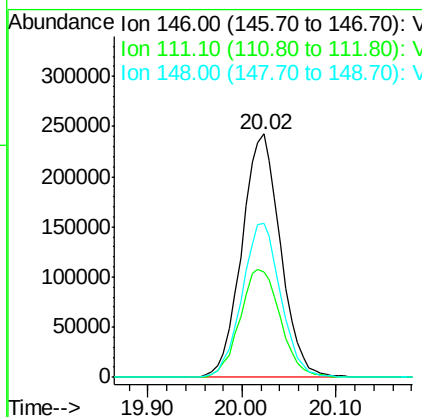
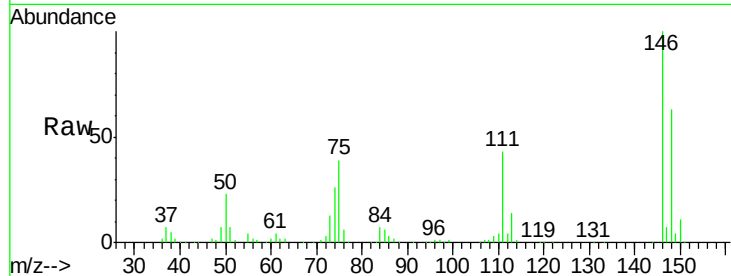
#77
 1,2-Dichlorobenzene
 Concen: 2.72 ppbv
 RT: 20.02 min Scan# 2778
 Delta R.T. -0.01 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.4	70.3
148	63.3	31.6	94.8

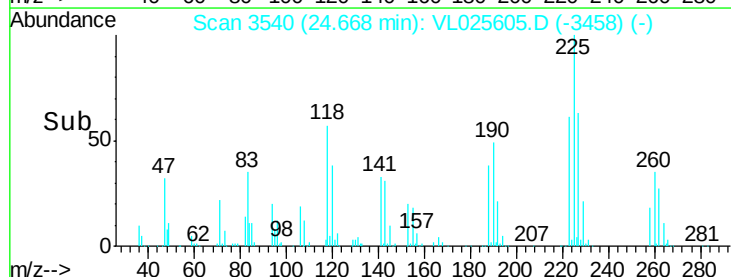
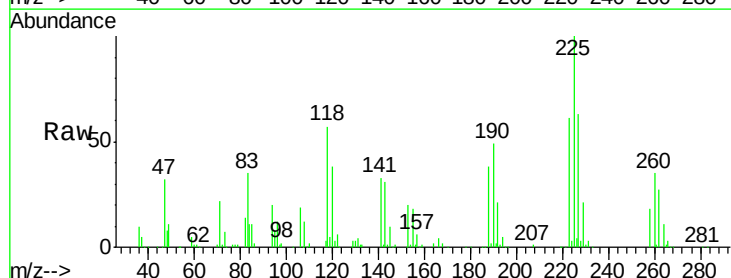
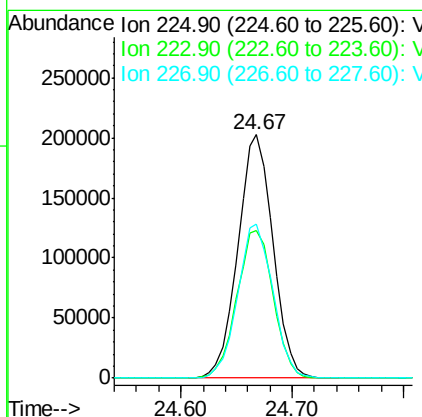
Manual Integrations
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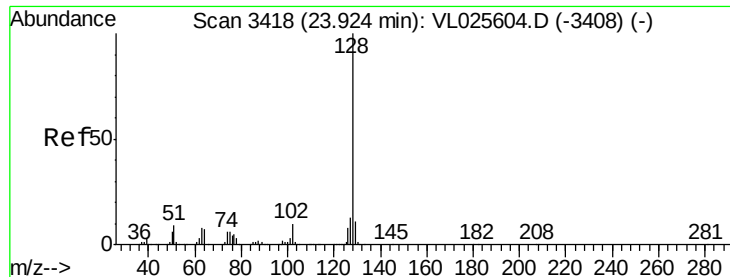
sam
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#78
 Hexachloro-1,3-Butadiene
 Concen: 3.36 ppbv
 RT: 24.67 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	63.4	50.5	75.7





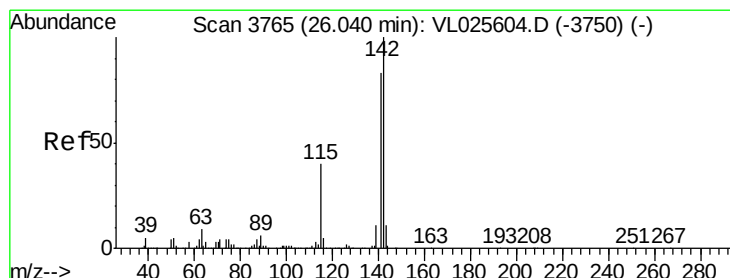
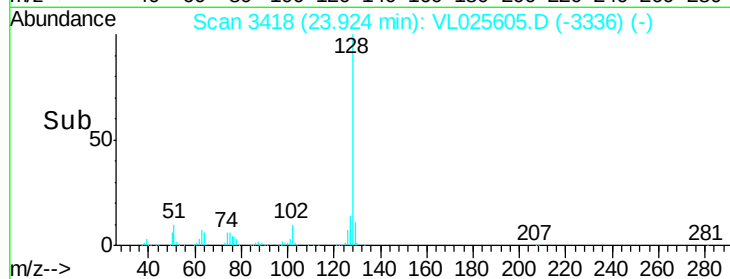
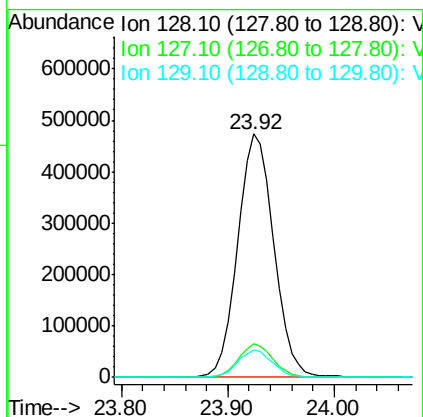
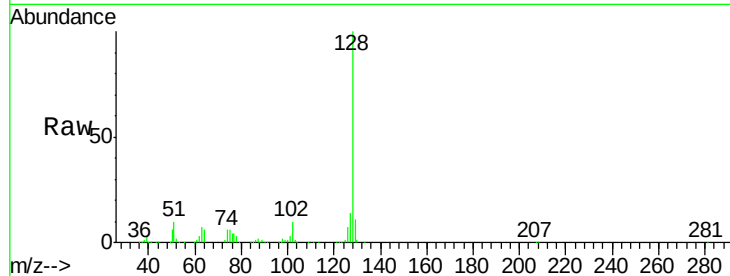
#79
Naphthalene
Concen: 3.39 ppbv
RT: 23.92 min Scan# 3418
Delta R.T. -0.00 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.8	16.2
129	11.1	9.0	13.4

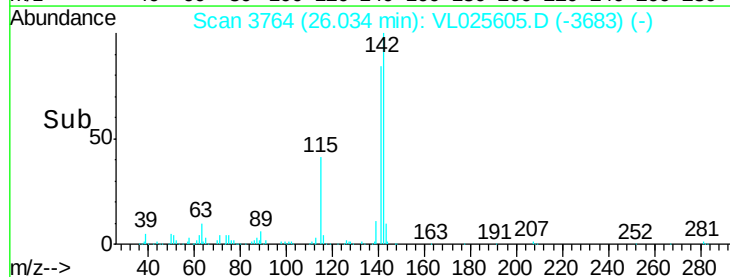
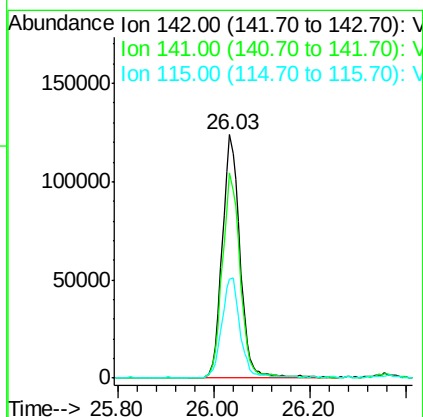
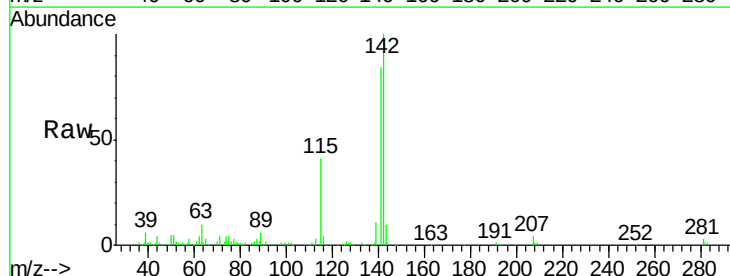
Manual Integrations
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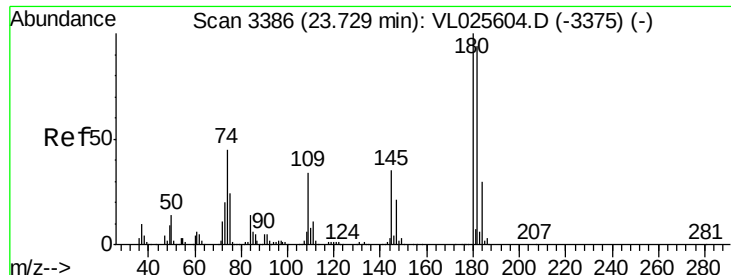
sam
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#80
Naphthalene, 2-methyl-
Concen: 3.75 ppbv
RT: 26.03 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VL025605.D
Acq: 7 Jul 2015 11:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.1	100.7
115	42.9	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 3.45 ppbv
 RT: 23.73 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VL025605.D
 Acq: 7 Jul 2015 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	76.1	114.1	
184	30.3	24.4	36.6	

Manual Integrations
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sam
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