

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025627.D
 Acq On : 8 Jul 2015 3:54
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

sam
 7/8/2015 11:04:56 AM

Quant Time: Jul 08 08:57:03 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	655024	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1737887	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.76	117	2221621m	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.30	95	1846556	9.85	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.65	85	1681133	9.91	ppbv	99
3) Chlorodifluoromethane	3.57	51	752510	8.15	ppbv	99
4) Chloromethane	3.76	50	361375	8.58	ppbv	97
5) Vinyl Chloride	3.90	62	399904	8.79	ppbv	99
6) Bromomethane	4.15	94	324545	8.79	ppbv	98
7) Chloroethane	4.25	64	180763	8.54	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	1243952	8.36	ppbv	100
9) Propene	3.60	41	269922	8.80	ppbv	99
10) Heptane	9.37	43	1079826	9.04	ppbv	96
11) Trichlorofluoromethane	4.70	101	1841421	8.36	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	1077430	8.54	ppbv	99
13) Ethanol	4.34	45	48043	10.08	ppbv	97
14) Bromoethene	4.46	108	355472	8.58	ppbv	99
15) Acetone	4.60	43	1019200	8.81	ppbv	99
16) 1,3-Butadiene	3.98	39	397375	8.63	ppbv	100
17) tert-Butyl alcohol	5.14	59	912907	9.40	ppbv	99
18) 1,1-Dichloroethene	5.09	96	407901	8.44	ppbv	98
19) Isopropyl Alcohol	4.76	45	452756	9.80	ppbv #	99
20) Methylene Chloride	5.16	84	379902	8.08	ppbv	96
21) Allyl Chloride	5.23	41	611010	8.43	ppbv	99
22) trans-1,2-Dichloroethene	5.78	96	424398	8.60	ppbv	98
23) Vinyl Acetate	5.99	43	1663030	9.48	ppbv	99
24) 1,1-Dichloroethane	5.92	63	1020254	8.68	ppbv	99
25) Ethyl Acetate	6.68	43	1594968	9.11	ppbv	99
26) Hexane	6.67	57	748460	9.08	ppbv	99
27) Carbon Disulfide	5.40	76	1186173	8.88	ppbv	99
28) Methyl tert-Butyl Ether	5.96	73	1522110	9.29	ppbv	100
29) Chloroform	6.76	83	1399177	8.59	ppbv	99
30) Cyclohexane	8.29	84	726161	9.21	ppbv	98
31) cis-1,2-Dichloroethene	6.53	61	755798	9.22	ppbv	98
32) 1,1,1-Trichloroethane	7.61	97	1571623	8.88	ppbv	99
34) 2-Butanone	6.21	43	947983	9.61	ppbv	99
35) Carbon Tetrachloride	8.18	117	1658177	8.95	ppbv	100
36) Benzene	8.04	78	1573961	9.46	ppbv	100
37) 1,2-Dichloroethane	7.38	62	1270259	8.94	ppbv	100
38) Trichloroethene	9.08	130	719117	9.29	ppbv	99
39) 1,2-Dichloropropane	8.84	63	561733	9.14	ppbv	97
40) 1,4-Dioxane	9.12	88	151206	15.68	ppbv	84
41) Tetrahydrofuran	7.13	42	484850	9.85	ppbv	99
42) Bromodichloromethane	9.04	83	1574715	9.19	ppbv	98
43) Methyl Methacrylate	9.27	69	650868	10.19	ppbv	99

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2697938	9.45	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	1045391	9.73	ppbv	98
46) cis-1,3-Dichloropropene	10.03	75	1148505	9.67	ppbv	99
47) 1,1,2-Trichloroethane	10.90	97	763192	8.92	ppbv	98
48) Dibromochloromethane	11.82	129	1411774	9.22	ppbv	98
49) Bromoform	14.83	173	1169293	9.26	ppbv	98
50) 4-Methyl-2-Pentanone	10.10	43	1398788	9.85	ppbv	99
51) 2-Hexanone	11.63	43	1335491	10.48	ppbv	100
52) Tetrachloroethene	12.80	164	793639	9.51	ppbv	99
53) Toluene	11.25	91	2279897	9.75	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1236283	8.93	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.80	131	1073579	8.94	ppbv	100
57) Chlorobenzene	13.83	112	2015290	8.53	ppbv	99
58) Ethyl Benzene	14.43	91	3538103	9.64	ppbv	100
59) m/p-Xylene	14.73	91	5883148	18.25	ppbv	99
60) o-Xylene	15.51	91	3086624	8.89	ppbv	100
61) Styrene	15.33	104	1325210	10.89	ppbv	99
62) Isopropylbenzene	16.56	105	4158288	9.16	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1928144	8.21	ppbv	100
64) n-propylbenzene	17.54	120	1122801	9.15	ppbv	96
65) tert-Butylbenzene	18.83	119	3889852	8.73	ppbv	99
66) Benzyl Chloride	19.12	91	1136089	6.95	ppbv	100
67) sec-Butylbenzene	19.43	105	5476663	8.77	ppbv	100
69) p-Isopropyltoluene	19.80	119	4738361	9.21	ppbv	100
70) n-Butylbenzene	20.77	91	4683983	8.98	ppbv	99
71) 2-Chlorotoluene	17.44	91	3139250	9.43	ppbv	100
72) 4-Ethyltoluene	17.83	105	3622587	9.44	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	3515515	9.32	ppbv	100
74) 1,2,4-Trimethylbenzene	18.85	105	3691887	8.74	ppbv	93
75) 1,3-Dichlorobenzene	19.14	146	2272115	8.26	ppbv	99
76) 1,4-Dichlorobenzene	19.29	146	2338779	8.48	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	2279359	8.35	ppbv	99
78) Hexachloro-1,3-Butadiene	24.68	225	1260151	7.50	ppbv	100
79) Naphthalene	23.94	128	3173233	7.77	ppbv	99
80) Naphthalene, 2-methyl-	26.06	142	600251	5.06	ppbv	98
81) 1,2,4-Trichlorobenzene	23.74	180	1622807	8.29	ppbv	99

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

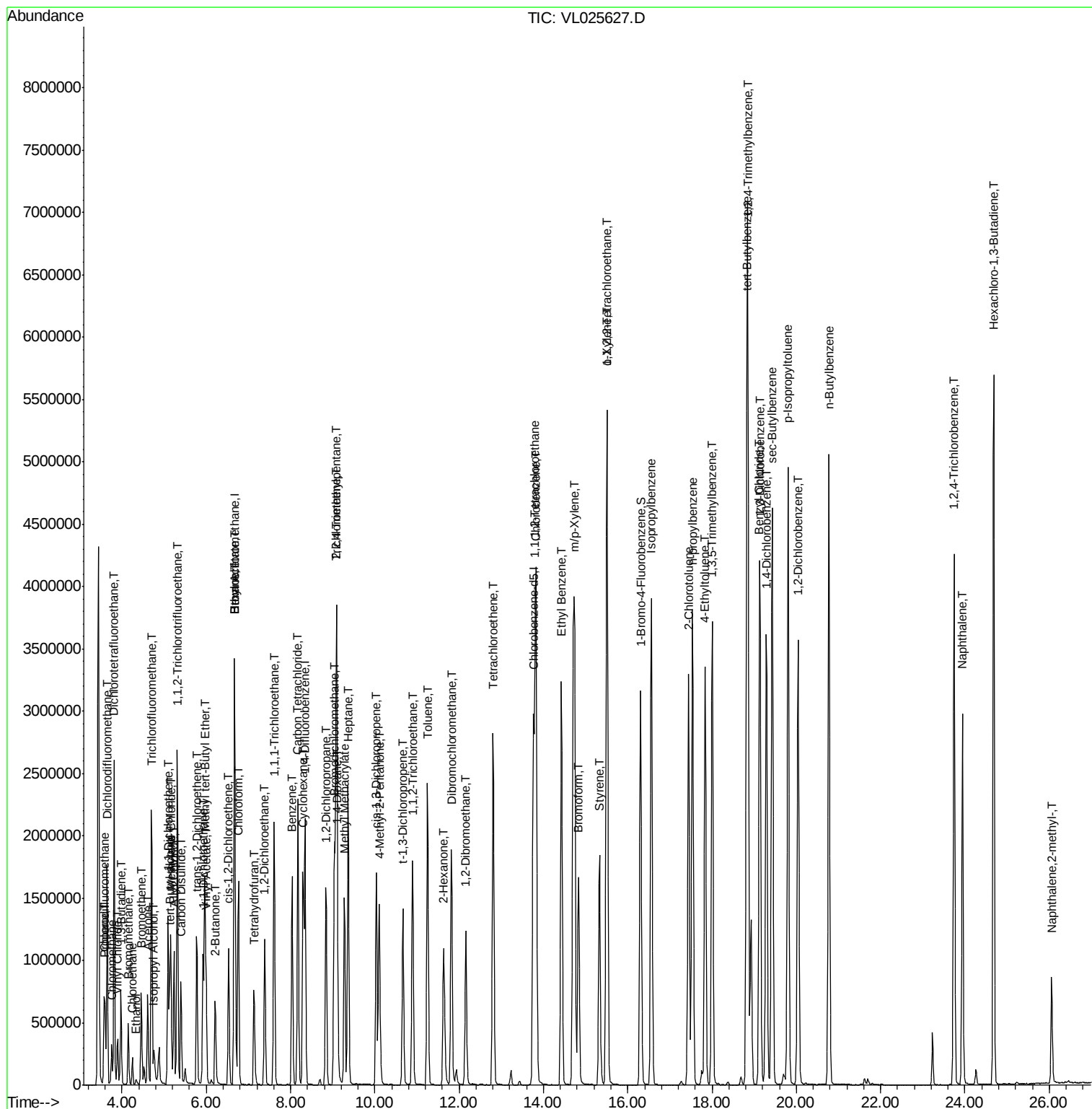
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
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Operator : SY/MD
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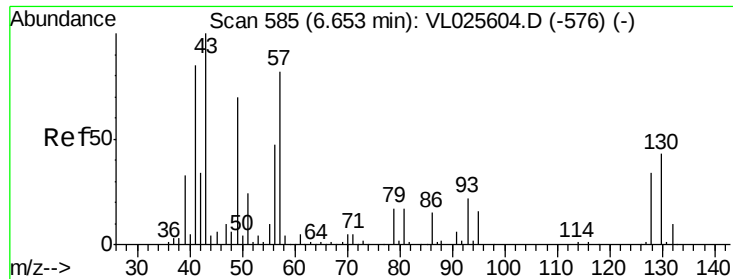
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 08 02:22:55 2015
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

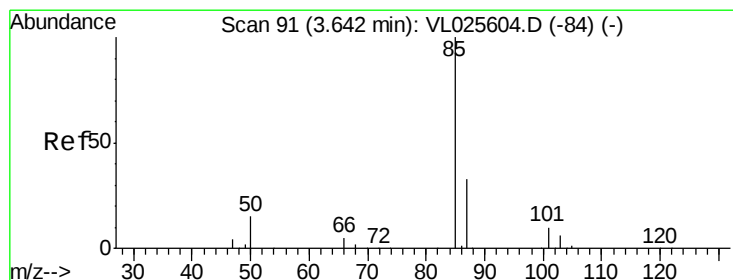
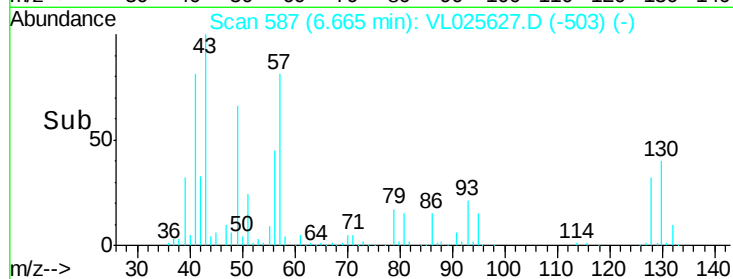
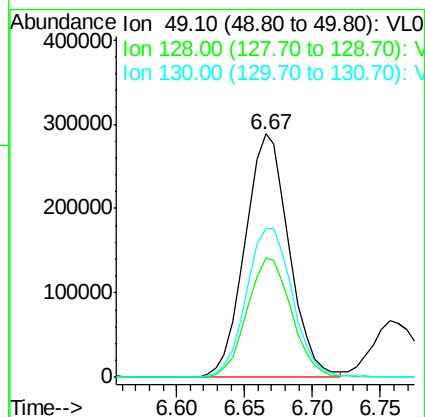
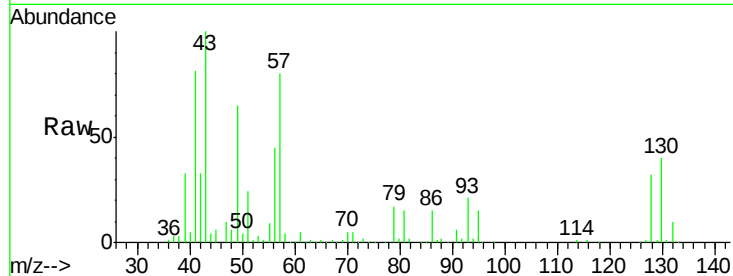
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
49	100		
128	49.9	25.4	76.0
130	64.3	31.9	95.9

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#2

Dichlorodifluoromethane

Concen: 9.91 ppbv

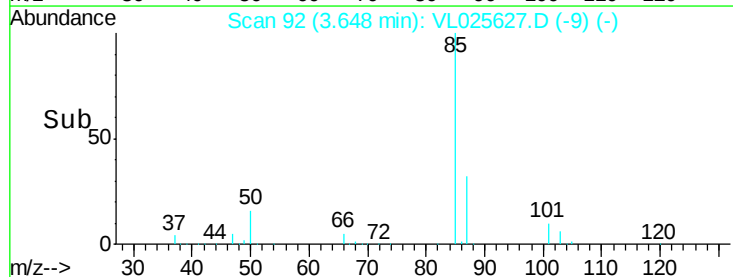
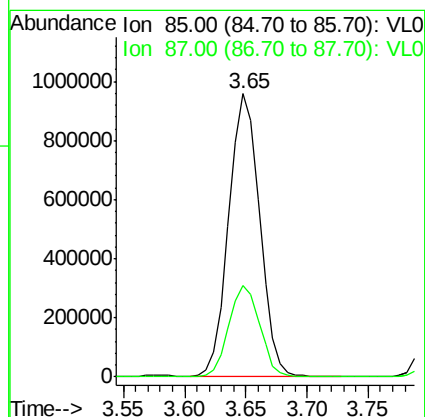
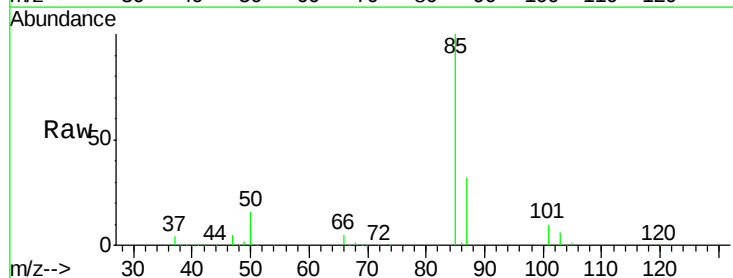
RT: 3.65 min Scan# 92

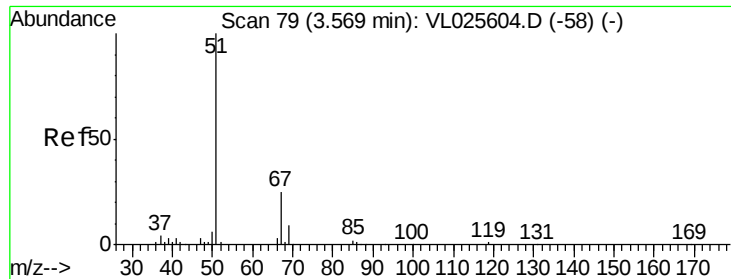
Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	26.5	39.7





#3

Chlorodifluoromethane

Concen: 8.15 ppbv

RT: 3.57 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Tot Ion: 51 Resp: 752510

Ion Ratio Lower Upper

51 100

67 24.0 19.5 29.3

Instrument :

MSVOA_L

ClientSampleId :

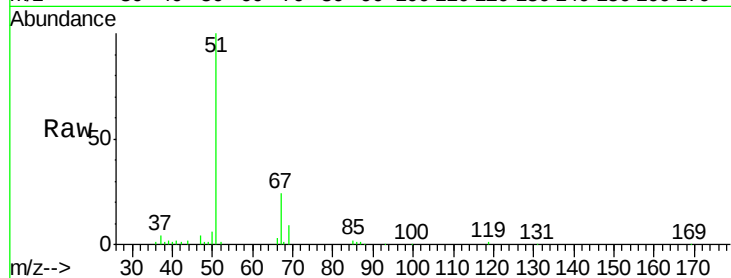
VSTDCCC010

Manual Integrations

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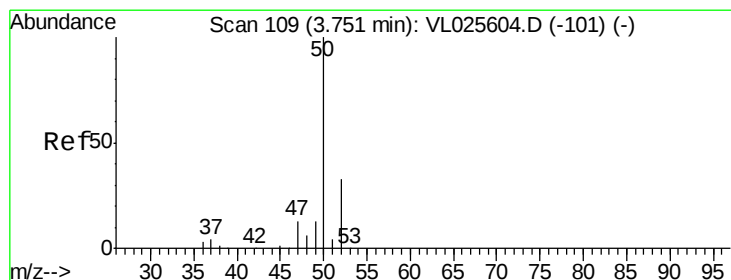
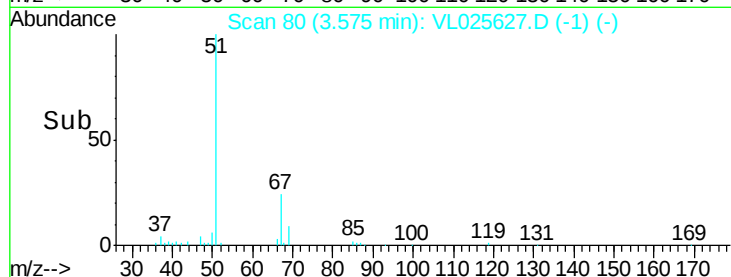
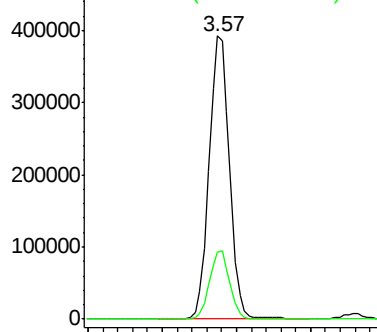
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.58 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL025627.D

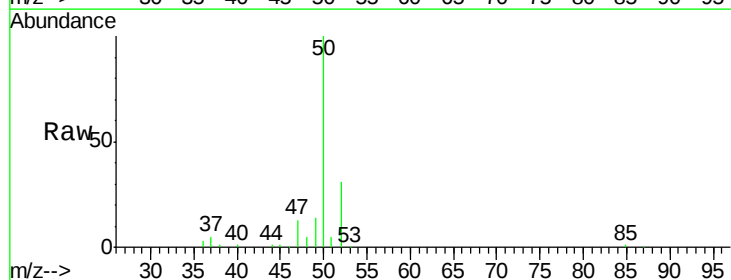
Acq: 8 Jul 2015 3:54

Tgt Ion: 50 Resp: 361375

Ion Ratio Lower Upper

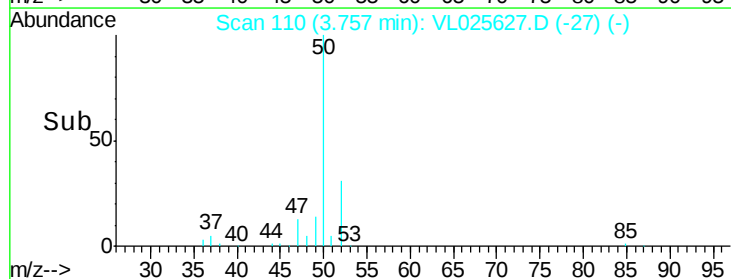
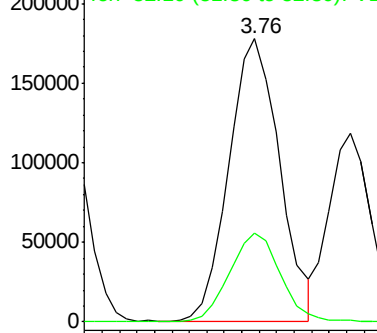
50 100

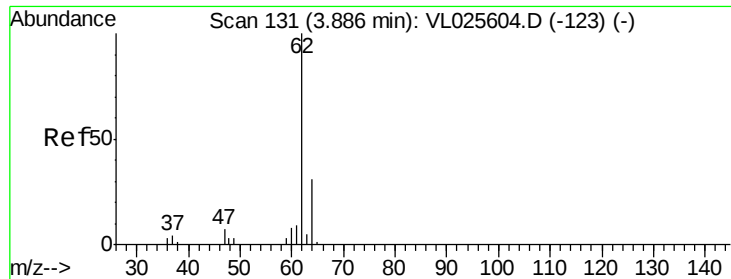
52 31.3 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.79 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Tot Ion: 62 Resp: 399904

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.6

Instrument :

MSVOA_L

ClientSampleId :

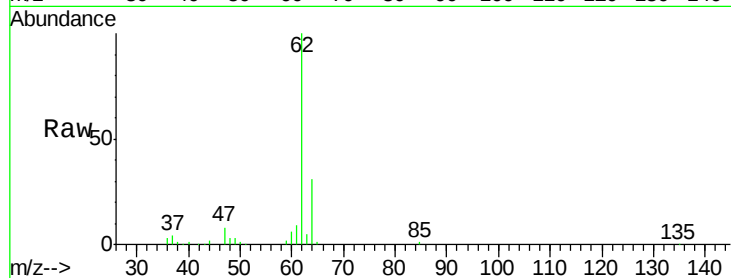
VSTDCCC010

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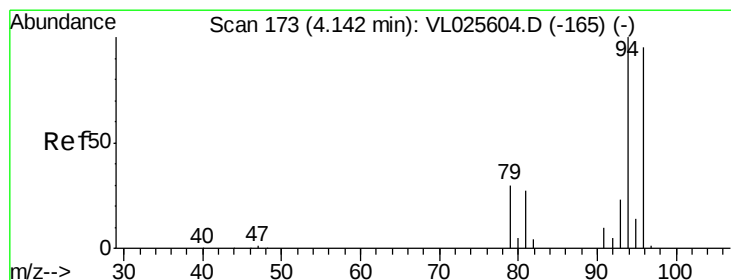
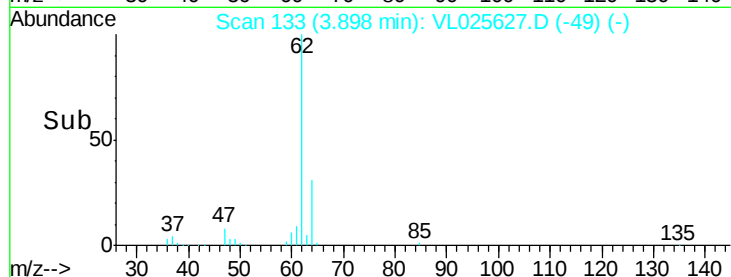
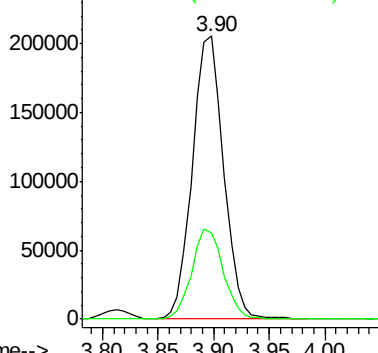
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.79 ppbv

RT: 4.15 min Scan# 174

Delta R.T. 0.01 min

Lab File: VL025627.D

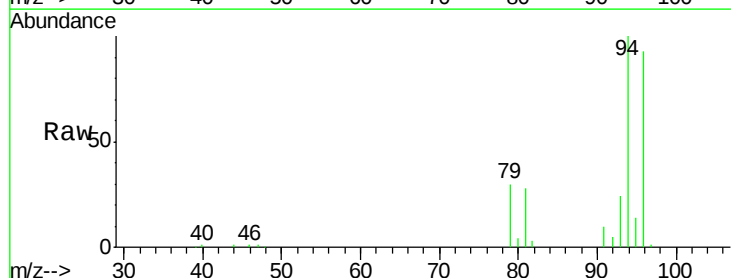
Acq: 8 Jul 2015 3:54

Tgt Ion: 94 Resp: 324545

Ion Ratio Lower Upper

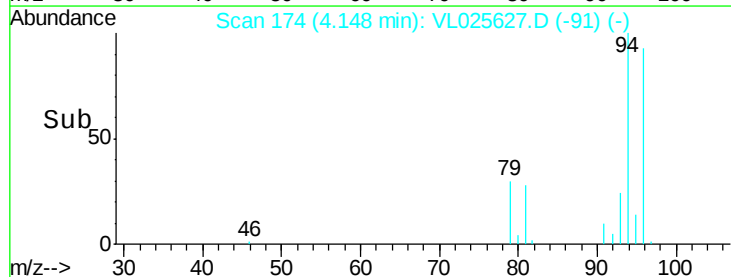
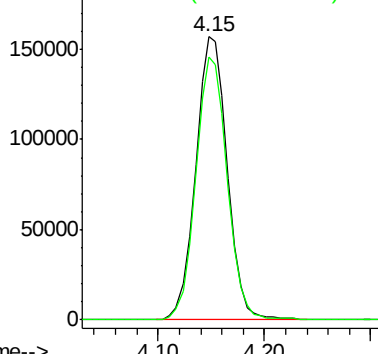
94 100

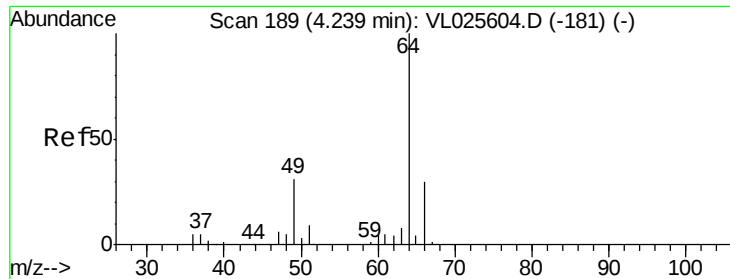
96 93.0 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.54 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 180763

Ion Ratio Lower Upper

64 100

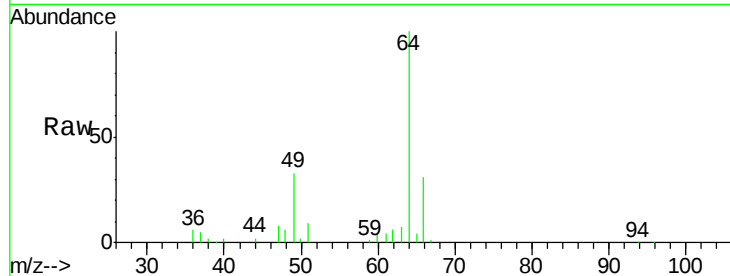
66 31.0 23.8 35.8

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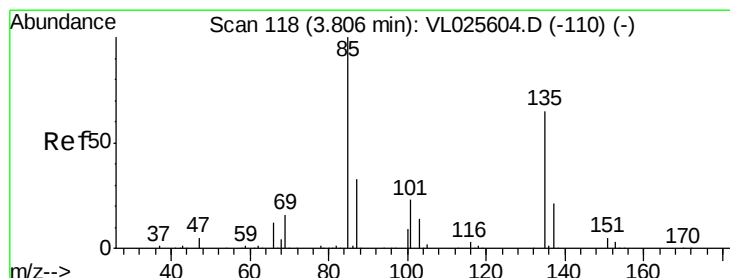
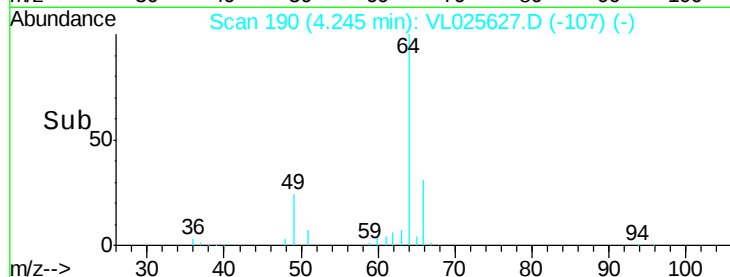
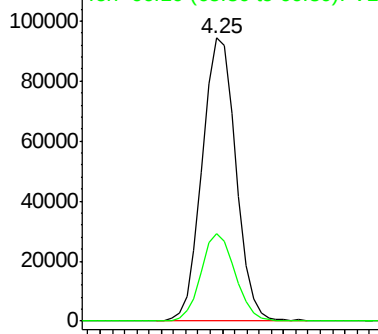
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.36 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL025627.D

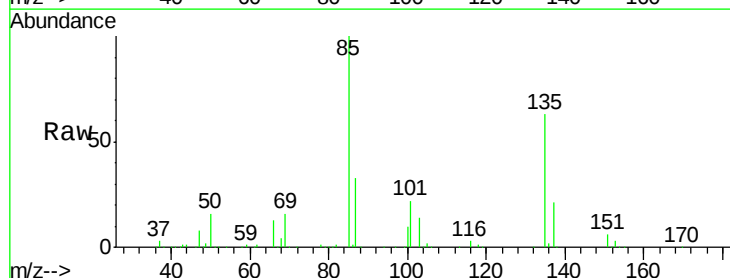
Acq: 8 Jul 2015 3:54

Tgt Ion: 85 Resp: 1243952

Ion Ratio Lower Upper

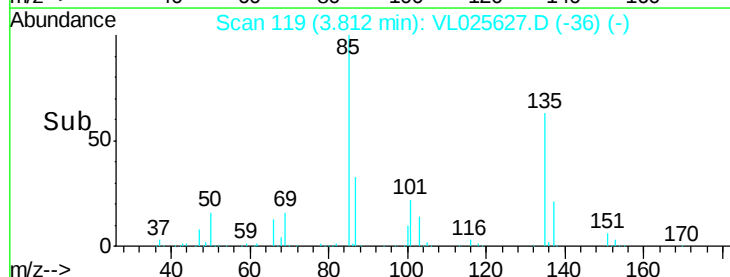
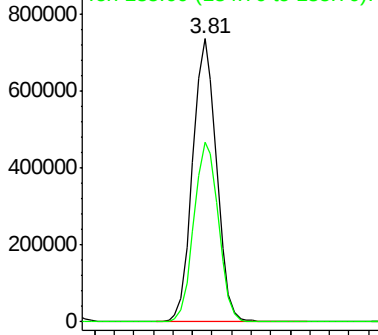
85 100

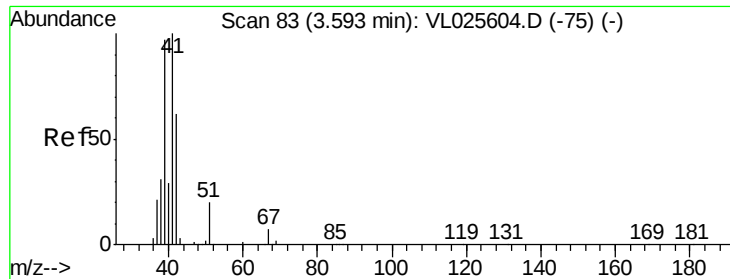
135 65.5 52.2 78.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.80 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Tot Ion: 41 Resp: 269922

Ion Ratio Lower Upper

41 100

42 65.9 52.4 78.6

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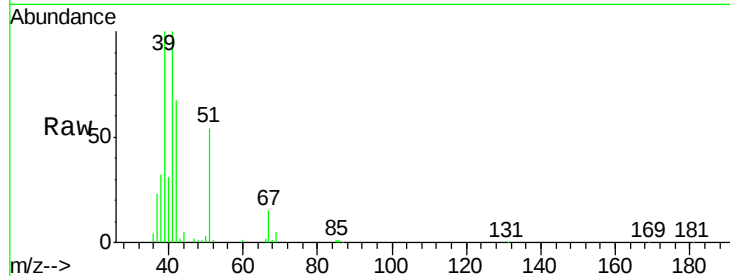
VSTDCCC010

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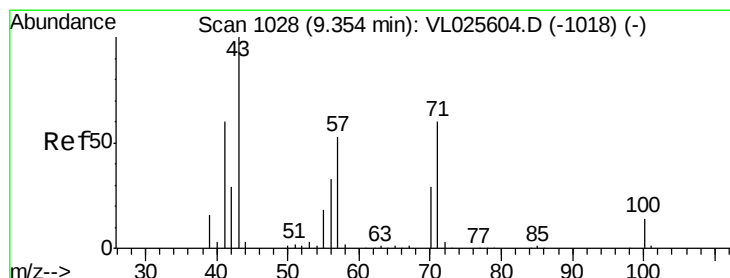
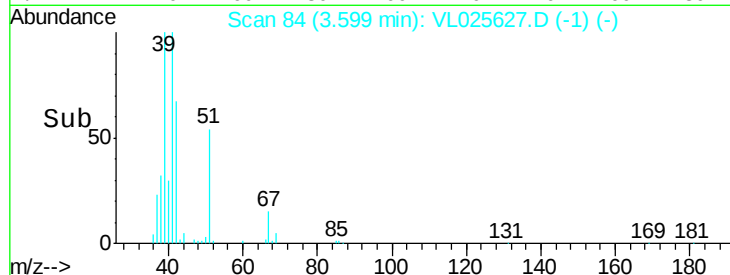
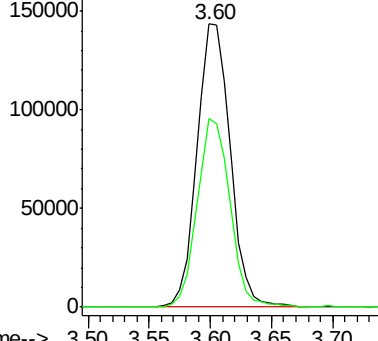
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.04 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VL025627.D

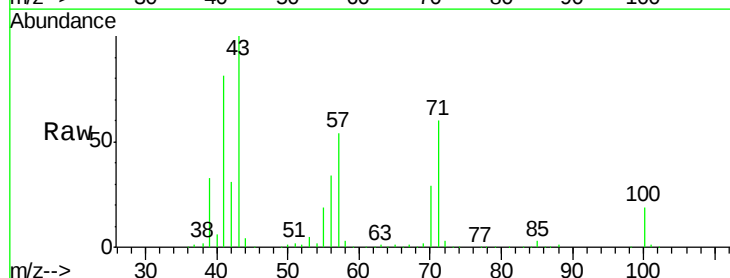
Acq: 8 Jul 2015 3:54

Tgt Ion: 43 Resp: 1079826

Ion Ratio Lower Upper

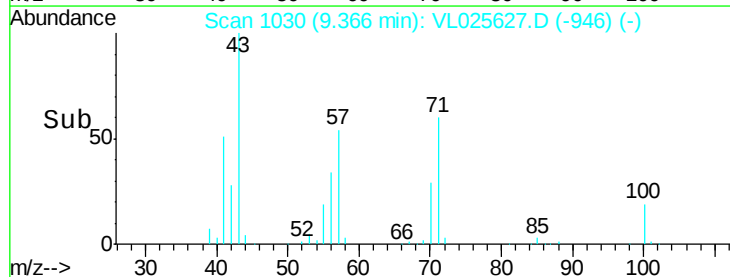
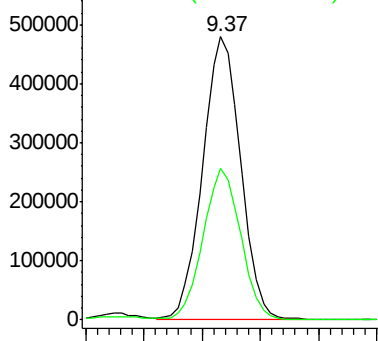
43 100

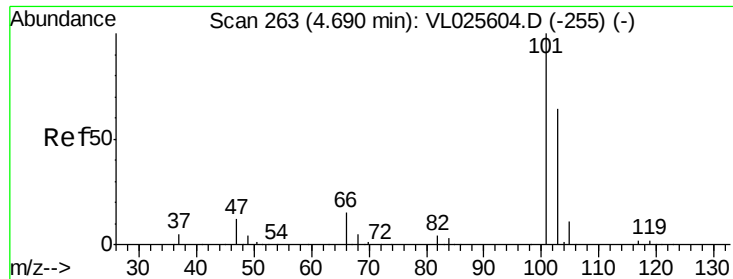
57 56.1 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





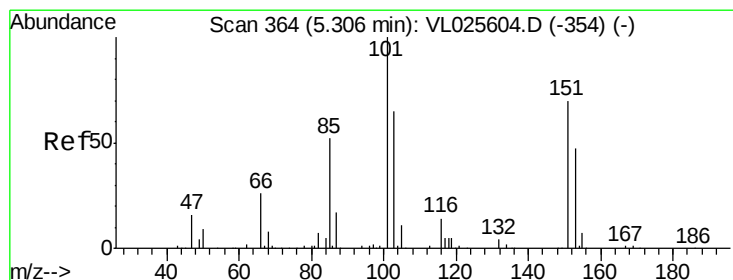
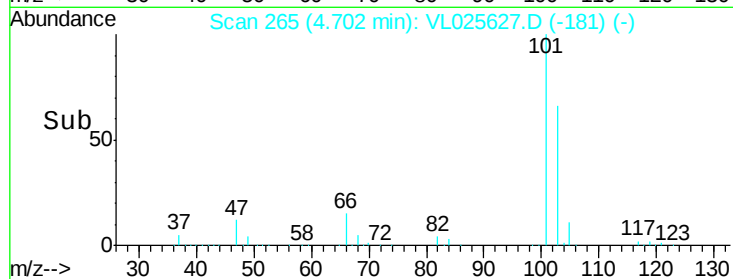
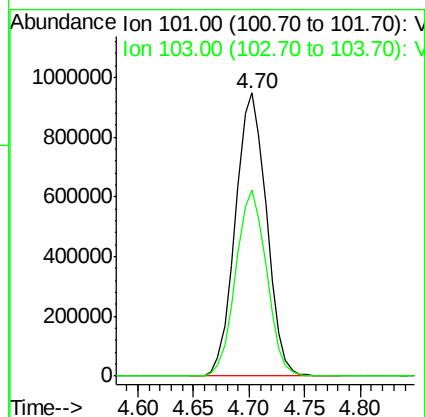
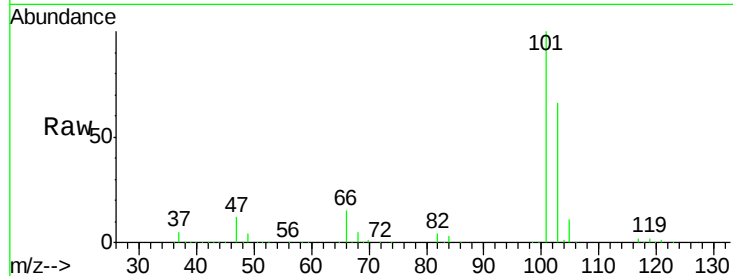
#11
 Trichlorofluoromethane
 Concen: 8.36 ppbv
 RT: 4.70 min Scan# 265
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1841421
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.4 77.2

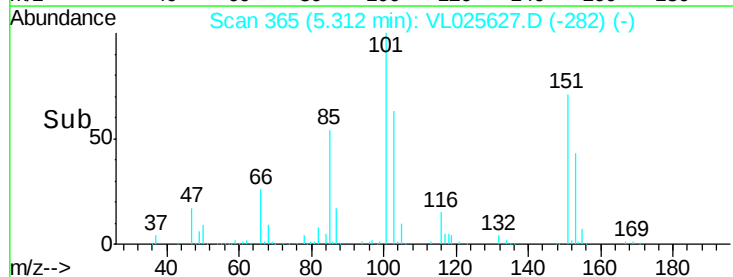
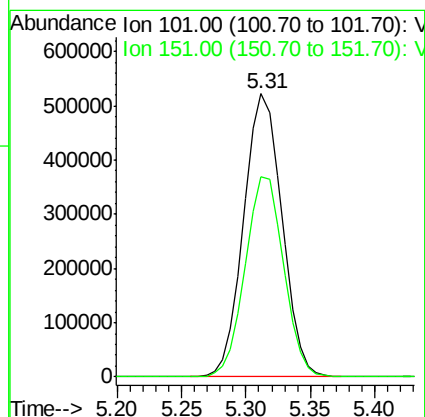
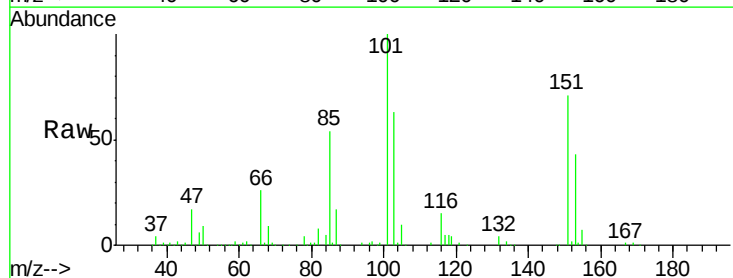
Manual Integrations
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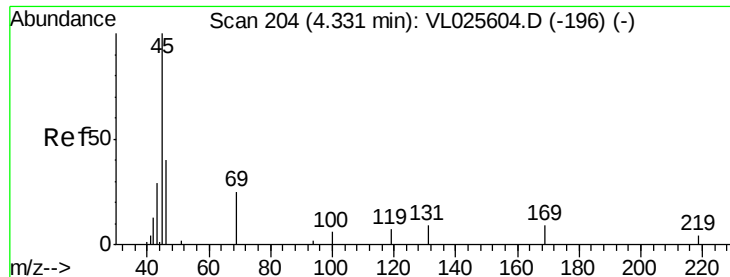
sam
 7/8/2015 11:04:56 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.54 ppbv
 RT: 5.31 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion:101 Resp: 1077430
 Ion Ratio Lower Upper
 101 100
 151 71.1 56.3 84.5





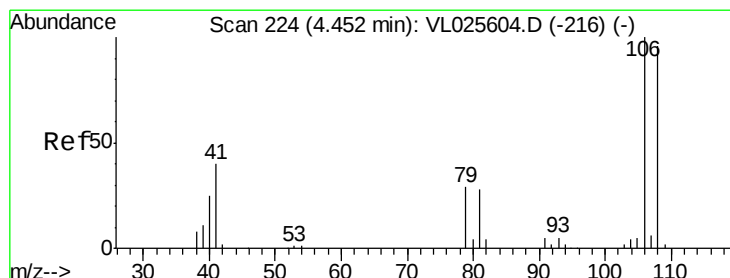
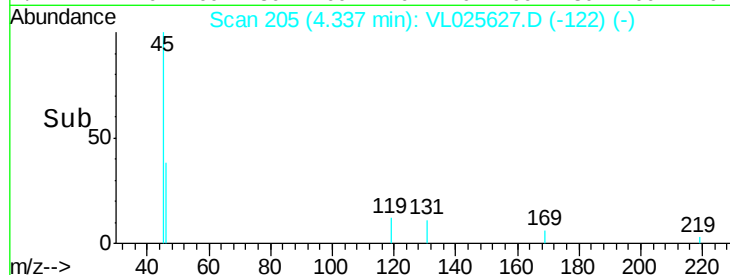
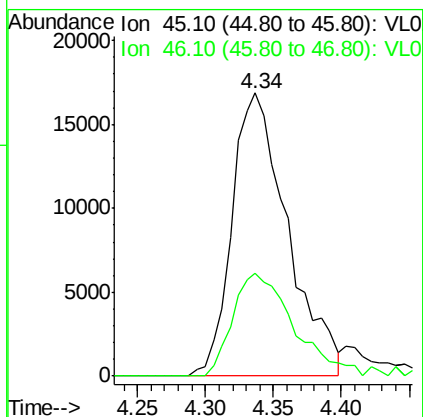
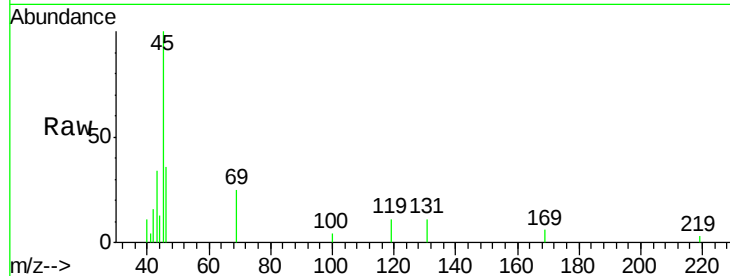
#13
Ethanol
Concen: 10.08 ppbv
RT: 4.34 min Scan# 205
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 48043
Ion Ratio Lower Upper
45 100
46 41.7 16.0 64.0

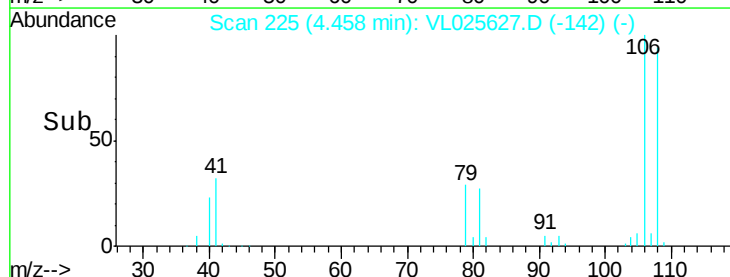
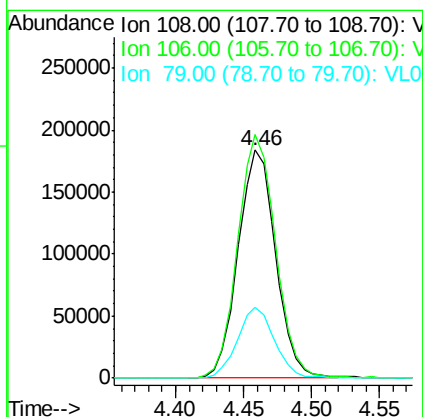
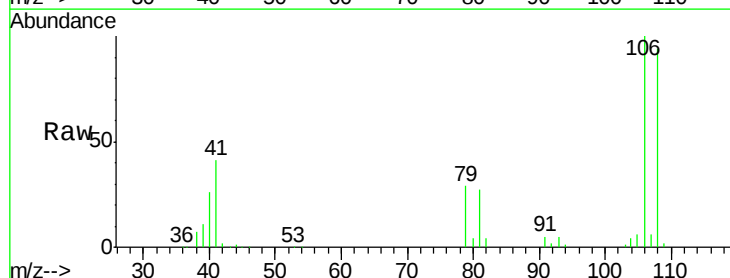
Manual Integrations
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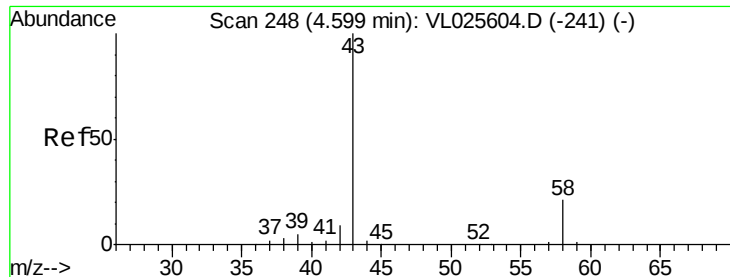
sam
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#14
Bromoethene
Concen: 8.58 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 108 Resp: 355472
Ion Ratio Lower Upper
108 100
106 108.0 85.7 128.5
79 30.7 24.6 36.8





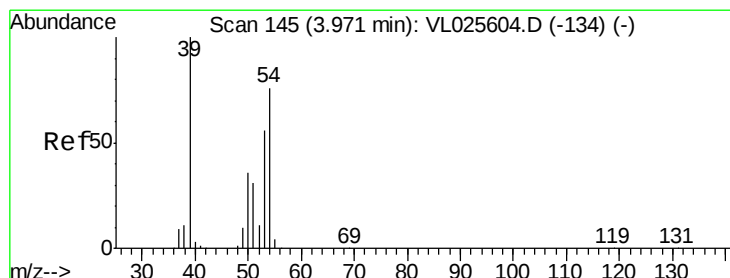
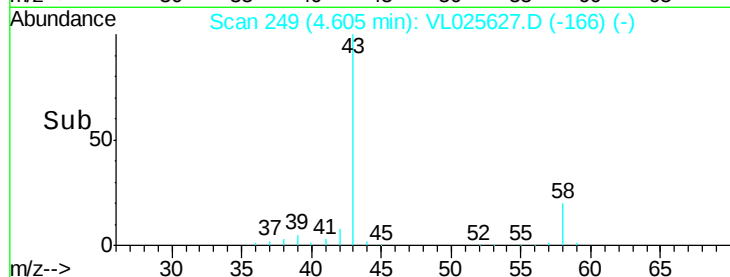
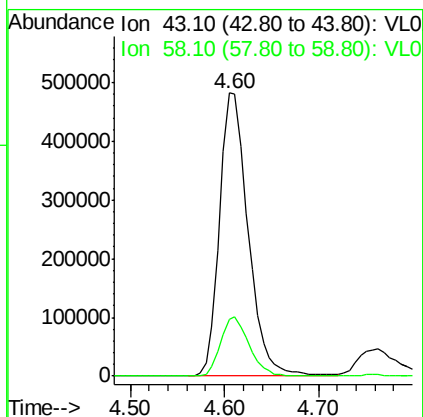
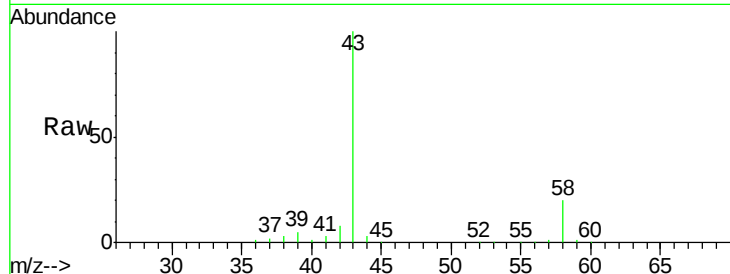
#15
Acetone
Concen: 8.81 ppbv
RT: 4.60 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1019200
Ion Ratio Lower Upper
43 100
58 21.1 17.2 25.8

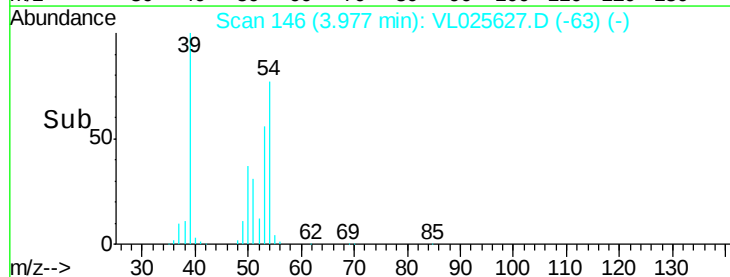
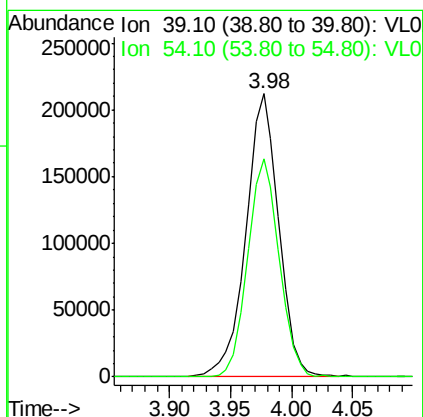
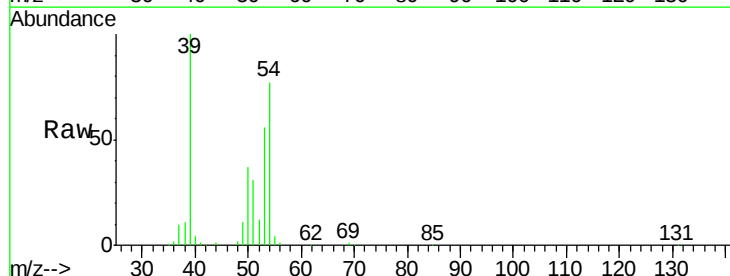
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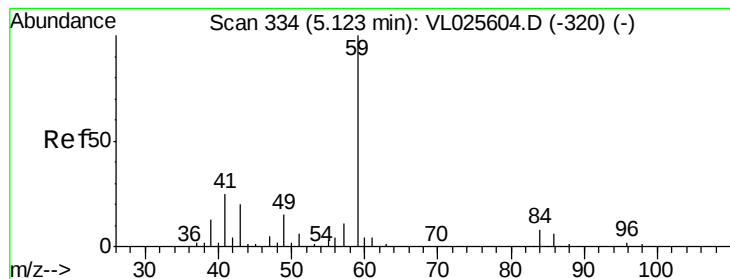
sam
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#16
1,3-Butadiene
Concen: 8.63 ppbv
RT: 3.98 min Scan# 146
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 39 Resp: 397375
Ion Ratio Lower Upper
39 100
54 74.1 59.3 88.9





#17

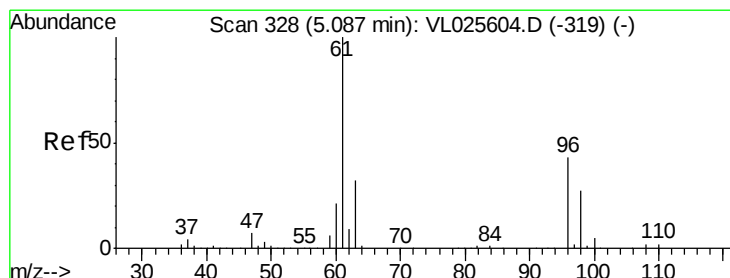
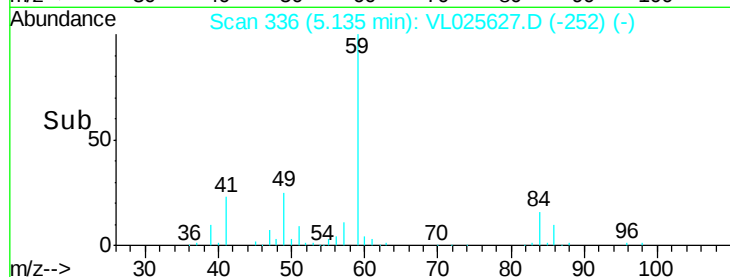
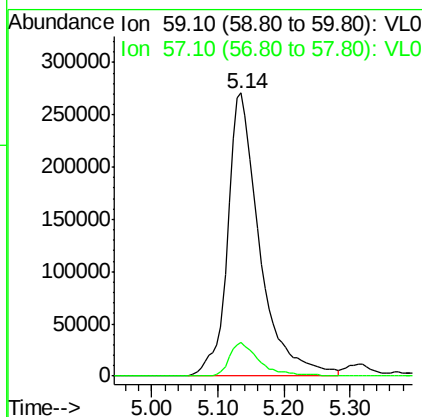
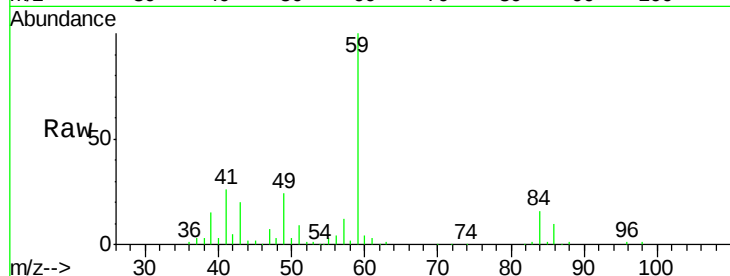
tert-Butyl alcohol
Concen: 9.40 ppbv
RT: 5.14 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.4	14.2

Manual Integrations
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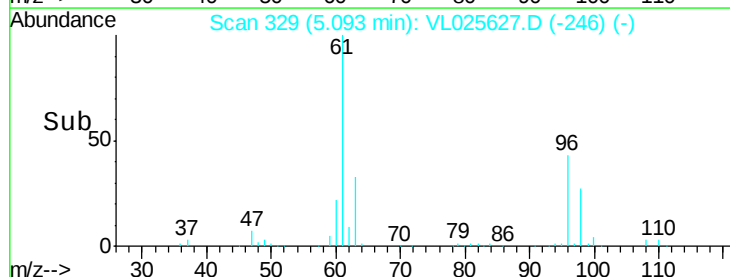
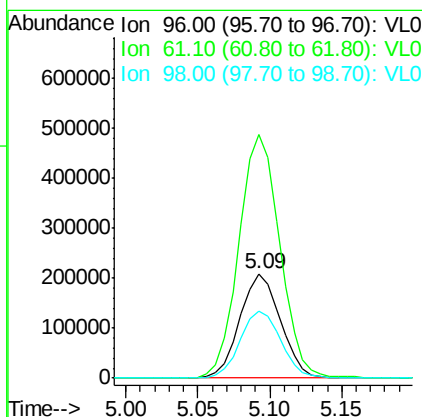
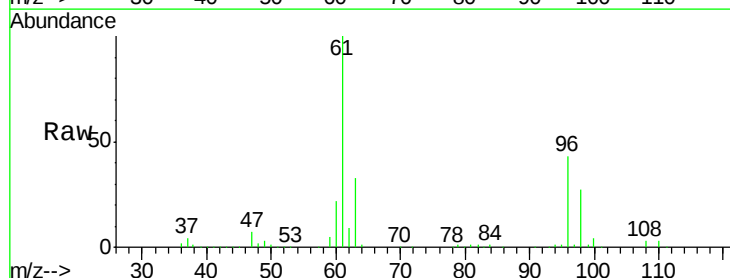
sam
7/8/2015 11:04:56 AM

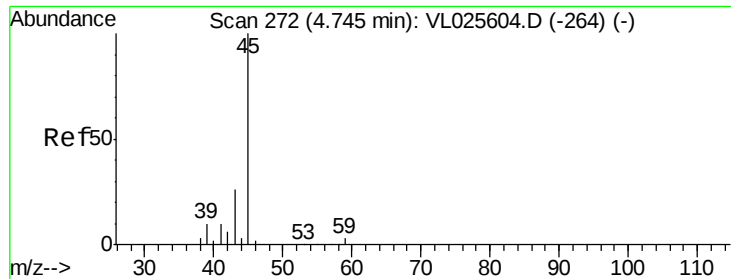


#18

1,1-Dichloroethene
Concen: 8.44 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	233.3	184.1	276.1
98	63.8	50.0	75.0





#19

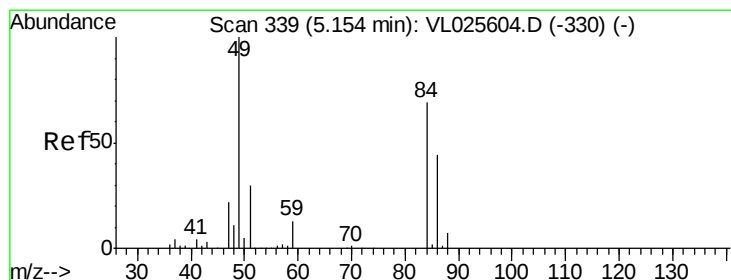
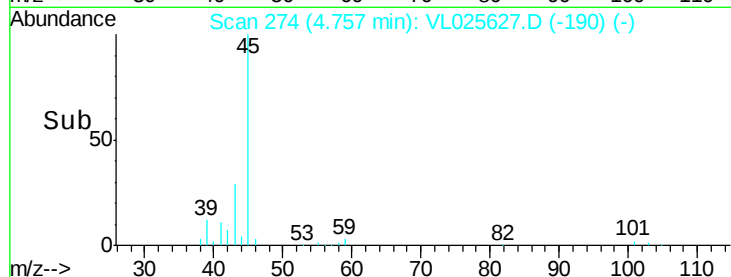
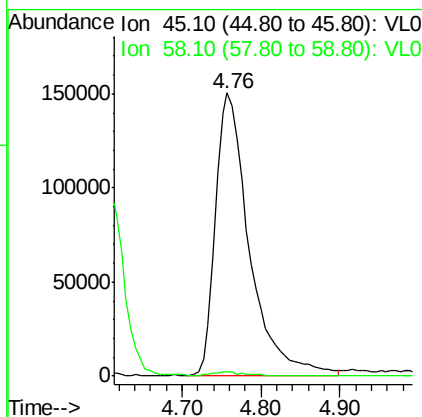
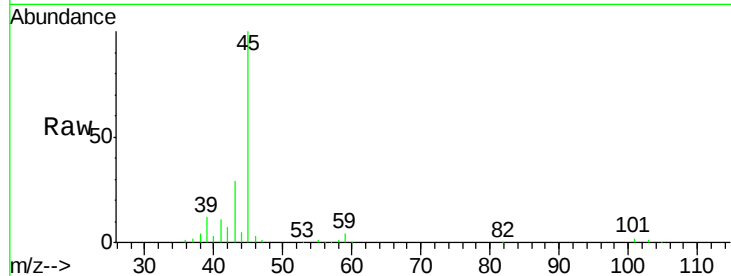
Isopropyl Alcohol
 Concen: 9.80 ppbv
 RT: 4.76 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	45	58	Ratio	Lower	Upper
452756	100	1.8		1.1	1.7#

Manual Integrations
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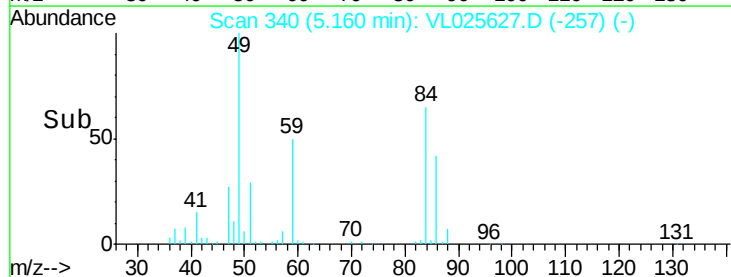
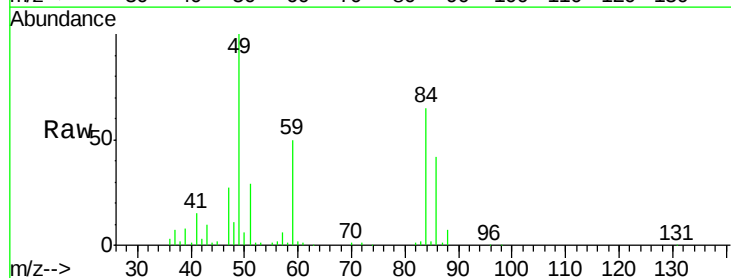
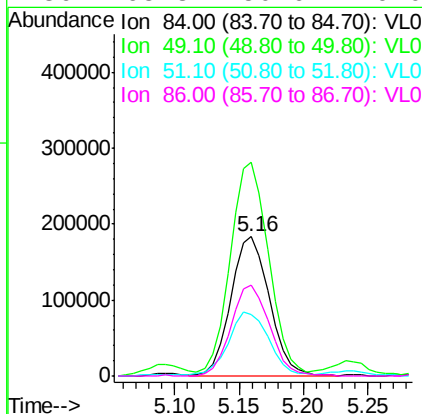
sam
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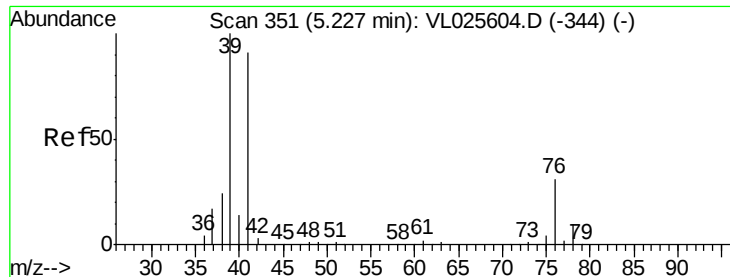


#20

Methylene Chloride
 Concen: 8.08 ppbv
 RT: 5.16 min Scan# 340
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion	84	49	51	86	Ratio	Lower	Upper
379902	100	150.6	43.3	65.3		115.2	172.8
						35.0	52.6
						50.6	76.0





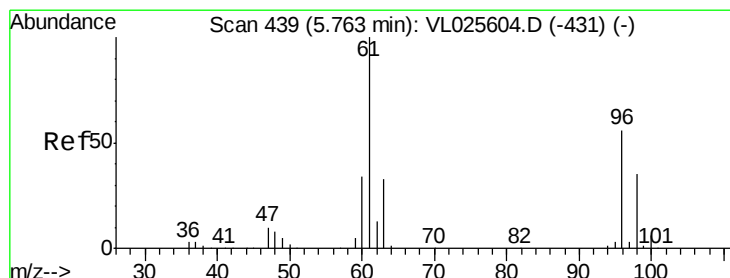
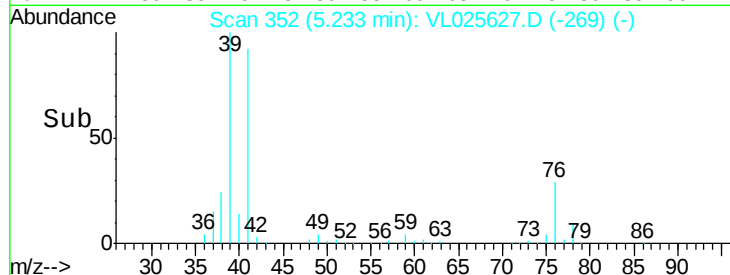
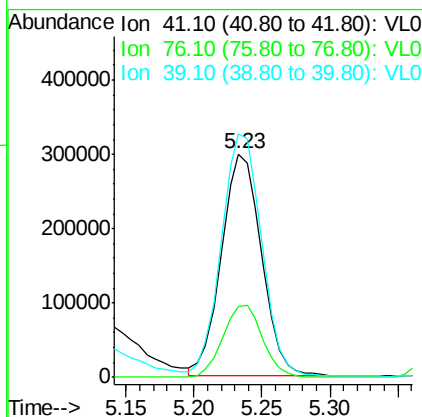
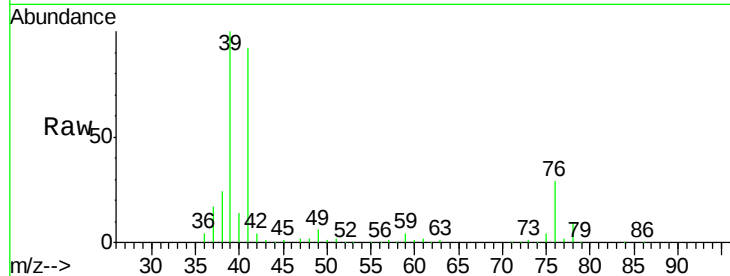
#21
Allvl Chloride
Concen: 8.43 ppbv
RT: 5.23 min Scan# 352
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.5	26.6	40.0
39	111.1	88.2	132.4

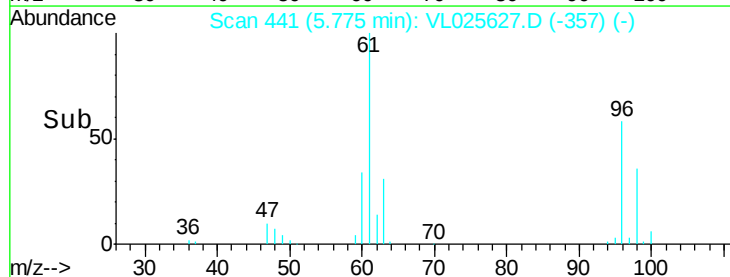
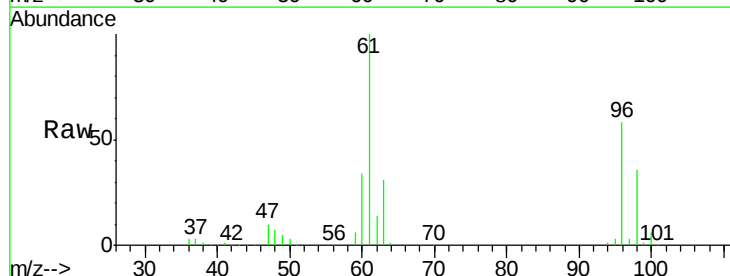
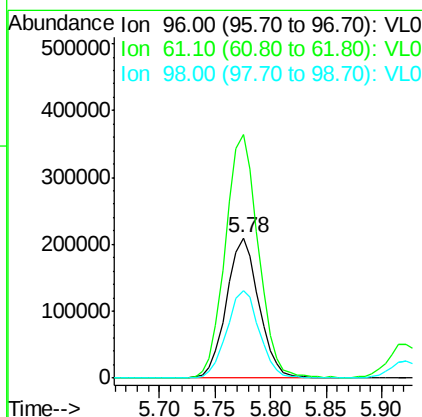
Manual Integrations
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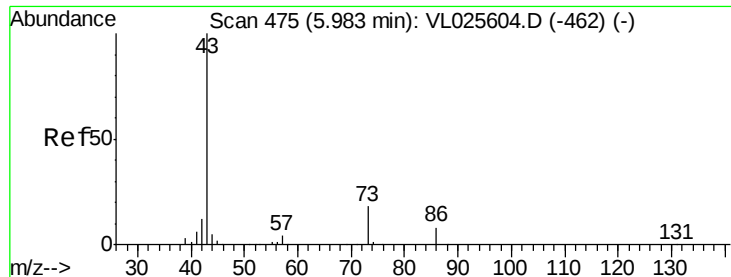
sam
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#22
trans-1,2-Dichloroethene
Concen: 8.60 ppbv
RT: 5.78 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	141.8	212.6
98	62.1	49.0	73.6





#23

Vinyl Acetate

Concen: 9.48 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1663030

Ion Ratio Lower Upper

43 100

86 8.6 6.7 10.1

42 12.5 9.8 14.6

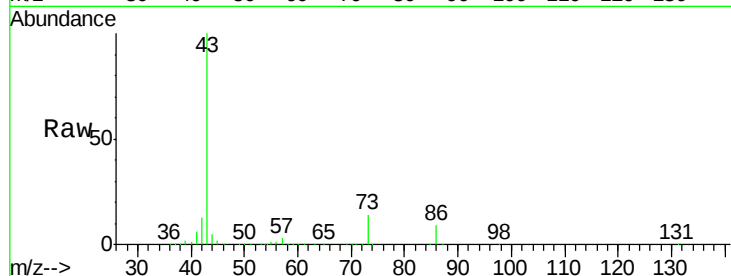
44 4.9 4.1 6.1

Manual Integrations

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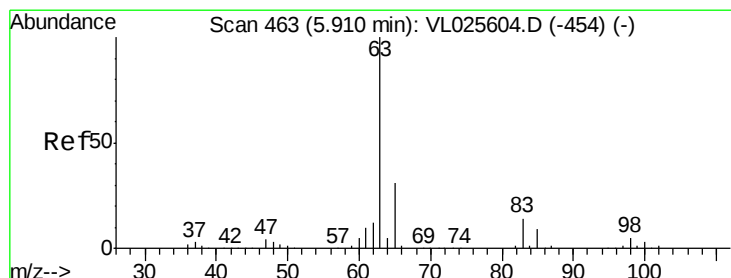
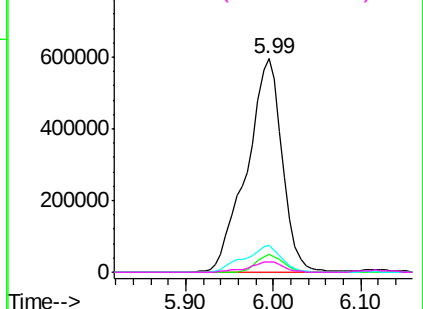
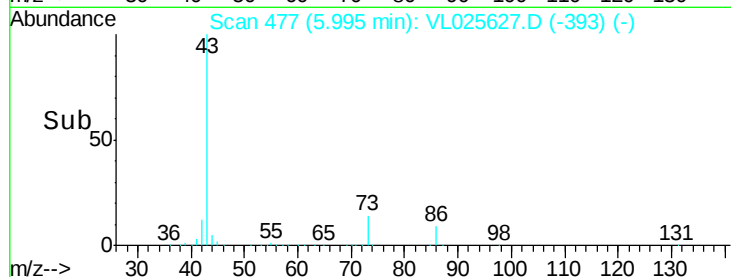


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.68 ppbv

RT: 5.92 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

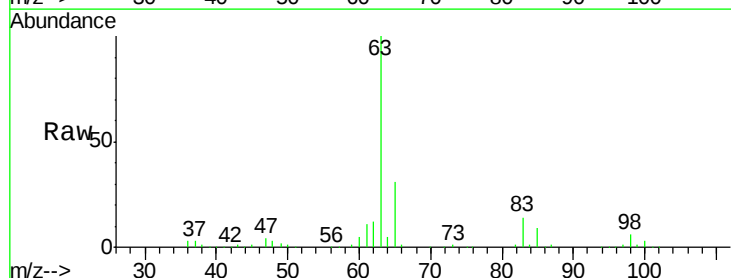
Tgt Ion: 63 Resp: 1020254

Ion Ratio Lower Upper

63 100

98 5.6 2.6 8.0

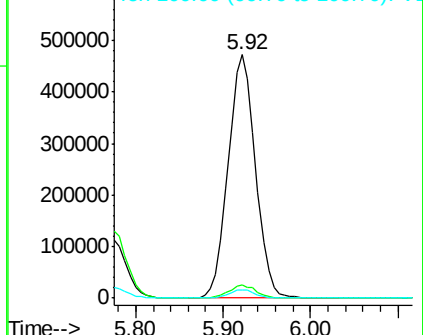
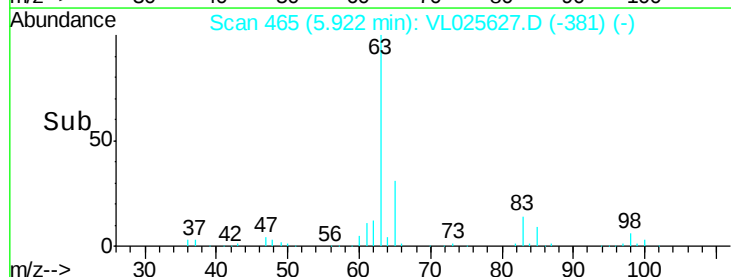
100 3.3 1.6 4.7

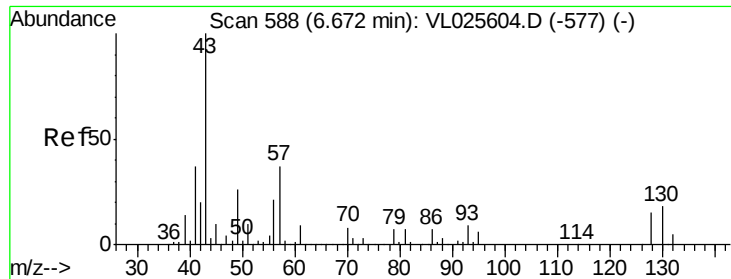


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





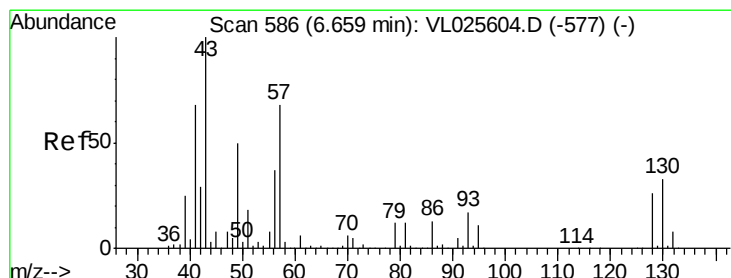
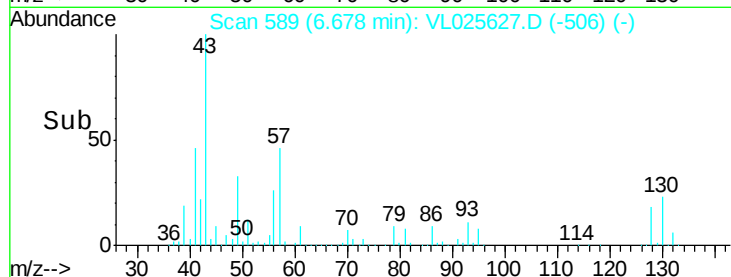
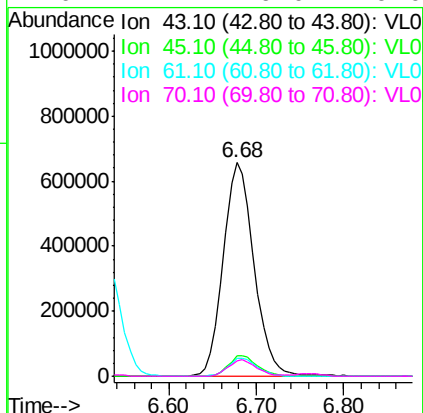
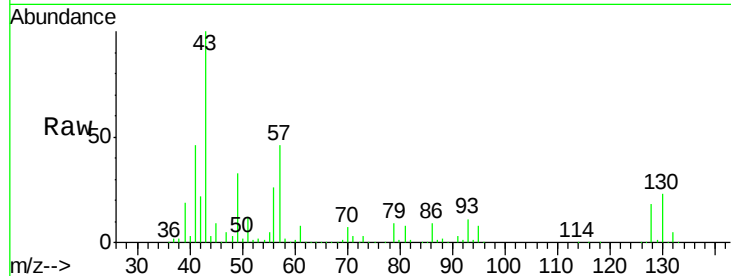
#25
Ethyl Acetate
Concen: 9.11 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.3	7.5	11.3	
61	8.4	6.6	10.0	
70	7.1	6.0	9.0	

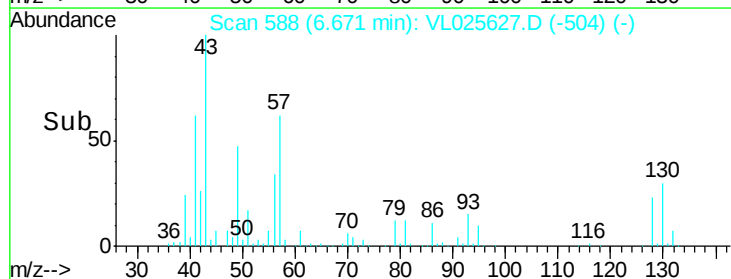
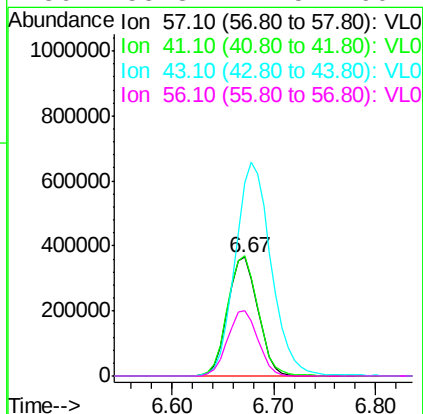
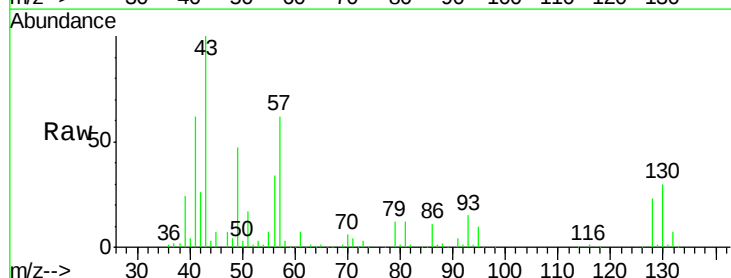
Manual Integrations
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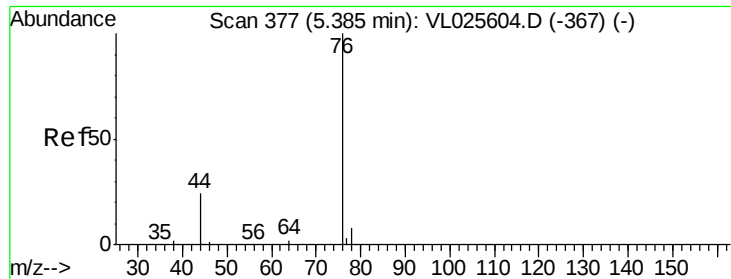
sam
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#26
Hexane
Concen: 9.08 ppbv
RT: 6.67 min Scan# 588
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	104.6	81.4	122.2	
43	214.7	171.4	257.2	
56	55.3	44.5	66.7	





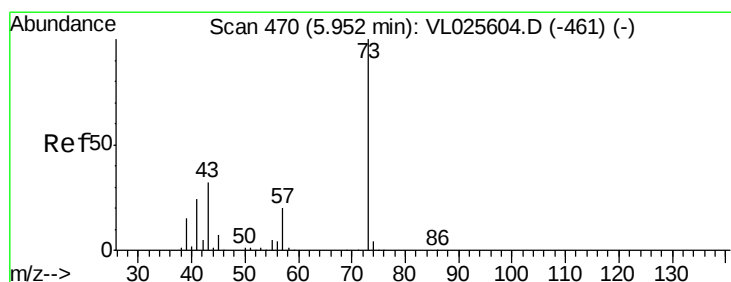
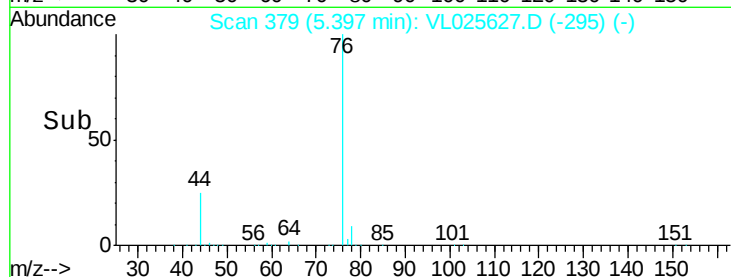
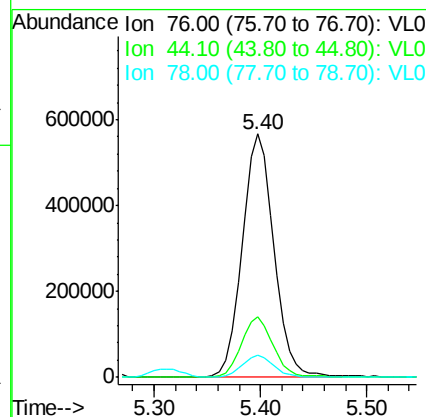
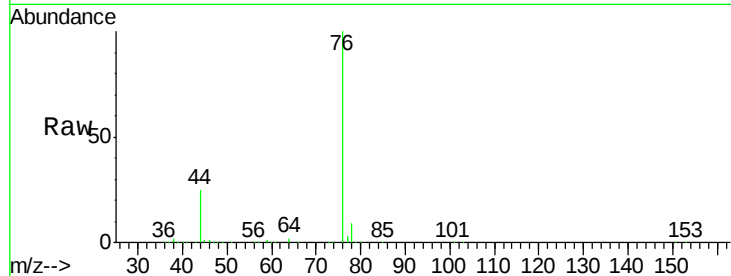
#27
Carbon Disulfide
Concen: 8.88 ppbv
RT: 5.40 min Scan# 379
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 76 Resp: 1186173
Ion Ratio Lower Upper
76 100
44 24.8 20.2 30.4
78 9.4 7.4 11.2

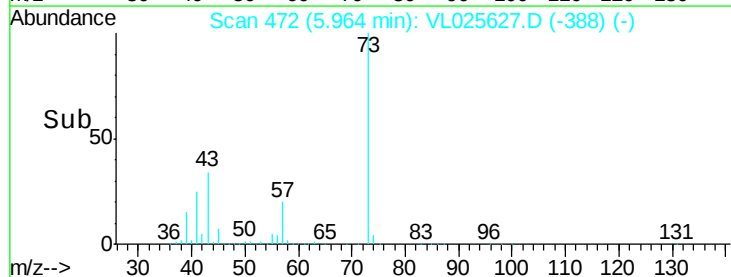
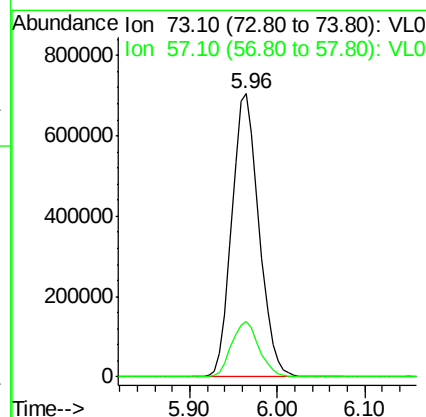
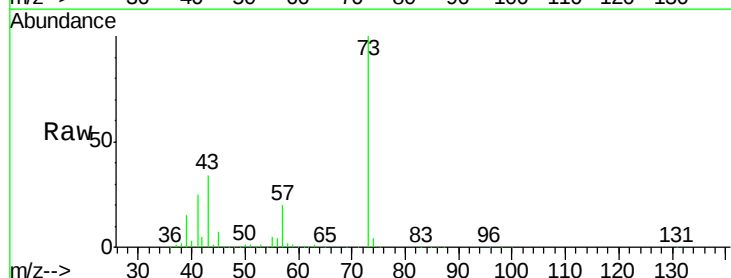
Manual Integrations
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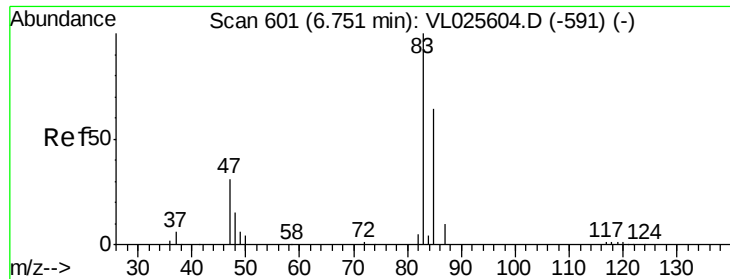
sam
7/8/2015 11:04:56 AM



#28
Methyl tert-Butyl Ether
Concen: 9.29 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 73 Resp: 1522110
Ion Ratio Lower Upper
73 100
57 20.0 16.0 24.0





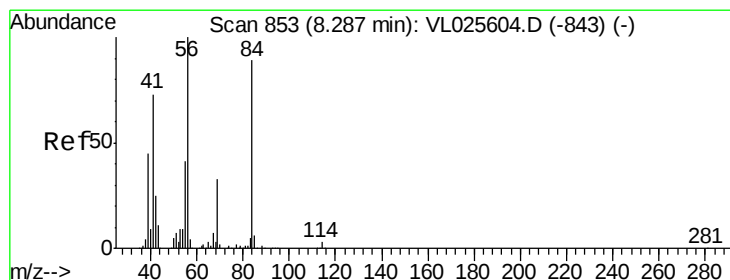
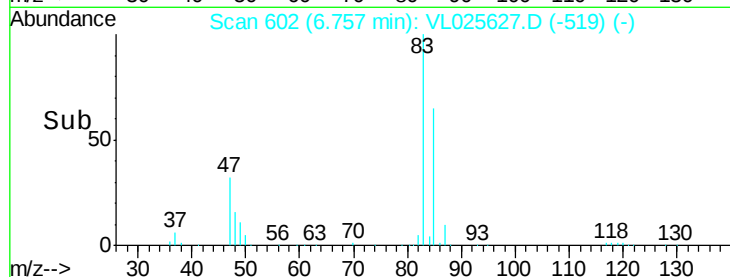
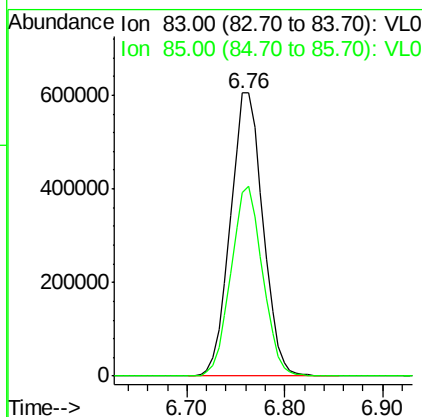
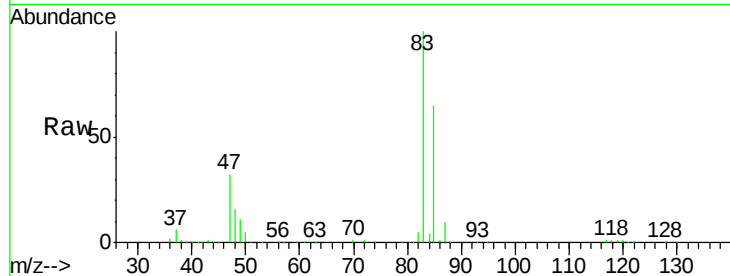
#29
Chloroform
Concen: 8.59 ppbv
RT: 6.76 min Scan# 602
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1399177
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4

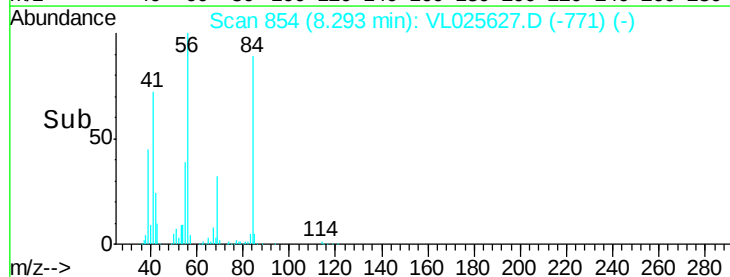
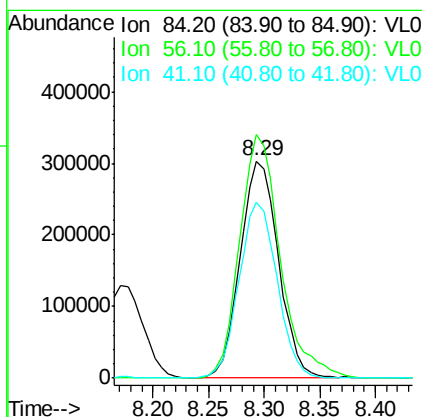
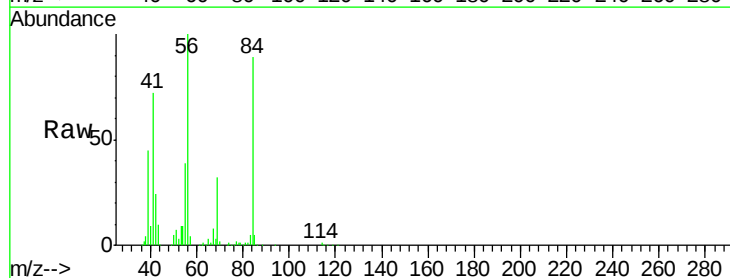
Manual Integrations
APPROVED

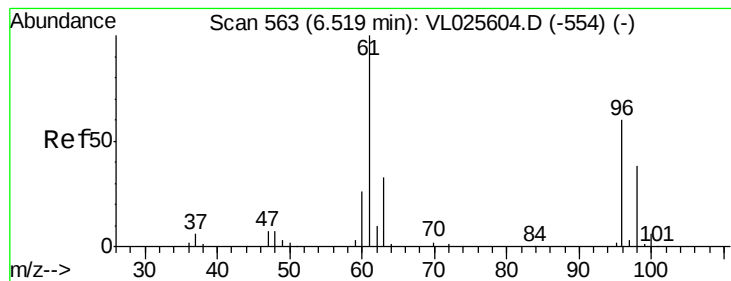
sam
7/8/2015 11:04:56 AM



#30
Cyclohexane
Concen: 9.21 ppbv
RT: 8.29 min Scan# 854
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 84 Resp: 726161
Ion Ratio Lower Upper
84 100
56 119.5 97.5 146.3
41 81.2 65.4 98.2





#31

cis-1,2-Dichloroethene

Concen: 9.22 ppbv

RT: 6.53 min Scan# 565

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

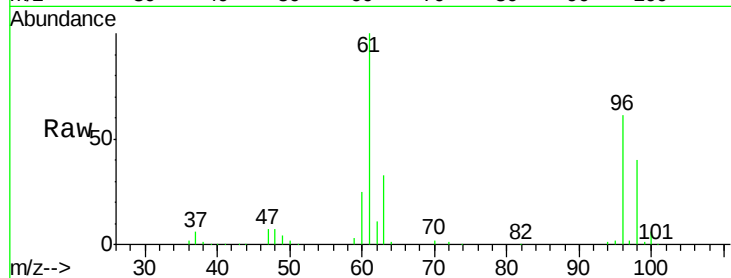
VSTDCCC010

Tot Ion: 61 Resp: 755798

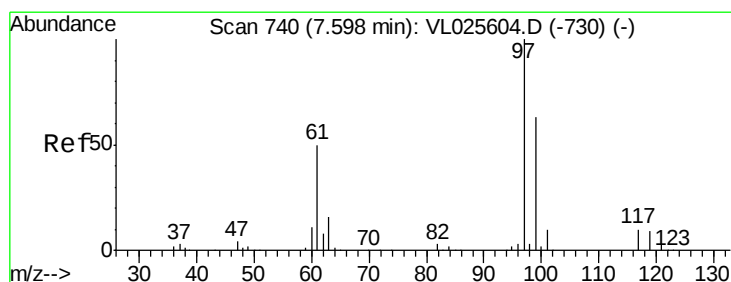
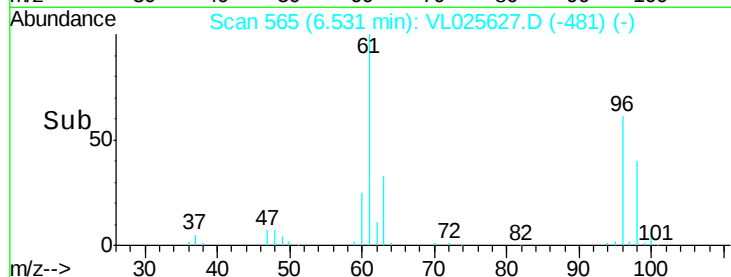
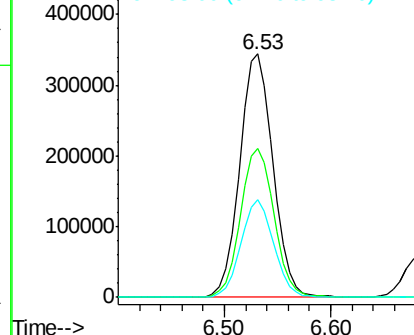
Ion	Ratio	Lower	Upper
61	100		
96	61.1	48.1	72.1
98	40.2	30.7	46.1

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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.88 ppbv

RT: 7.61 min Scan# 742

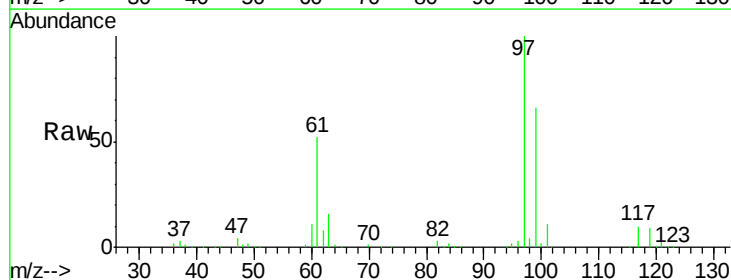
Delta R.T. 0.01 min

Lab File: VL025627.D

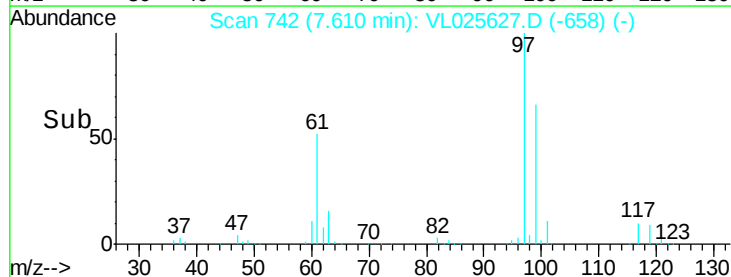
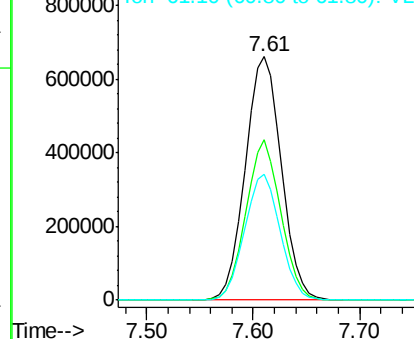
Acq: 8 Jul 2015 3:54

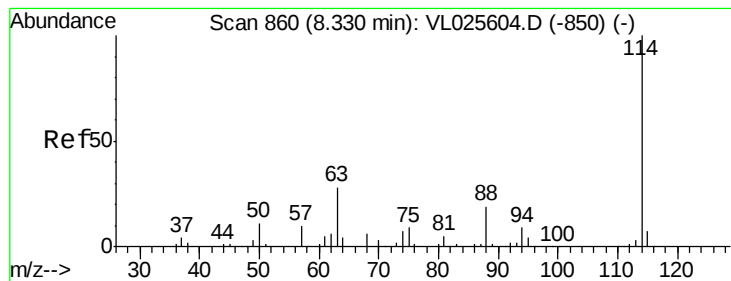
Tgt Ion: 97 Resp: 1571623

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	51.6	40.4	60.6



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.34 min Scan# 862

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:114 Resp: 1737887

Ion Ratio Lower Upper

114 100

63 28.2 22.4 33.6

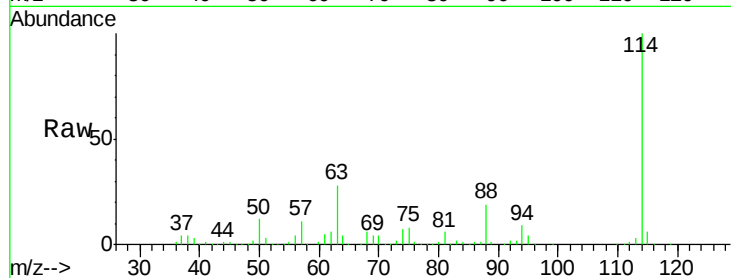
88 18.6 15.0 22.4

Manual Integrations

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sam

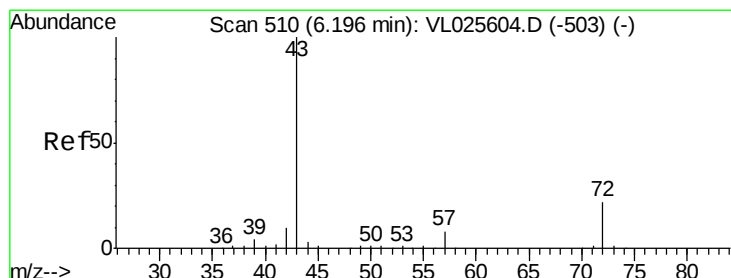
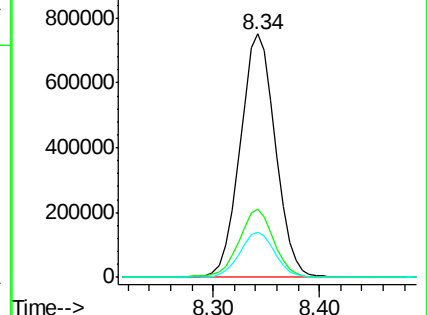
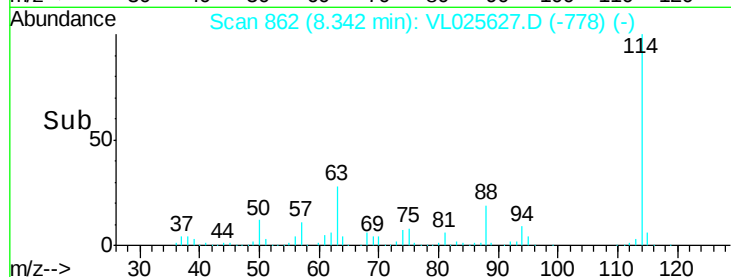
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.61 ppbv

RT: 6.21 min Scan# 512

Delta R.T. 0.01 min

Lab File: VL025627.D

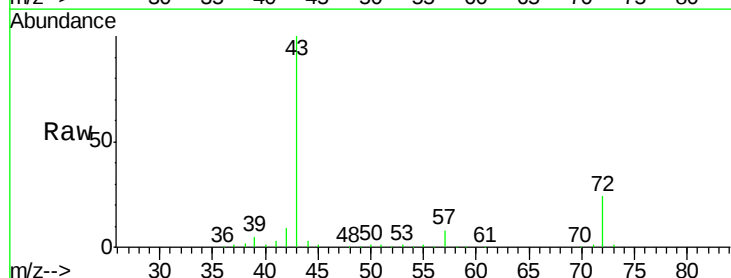
Acq: 8 Jul 2015 3:54

Tgt Ion: 43 Resp: 947983

Ion Ratio Lower Upper

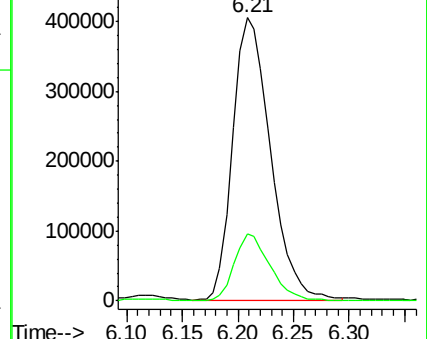
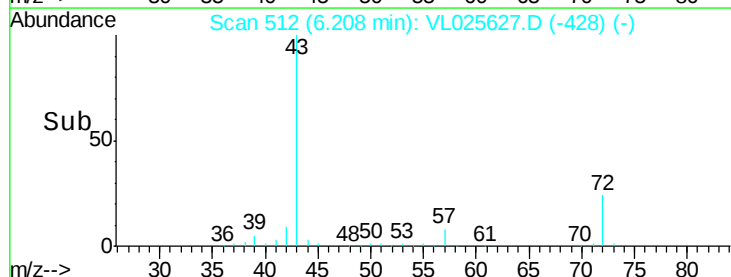
43 100

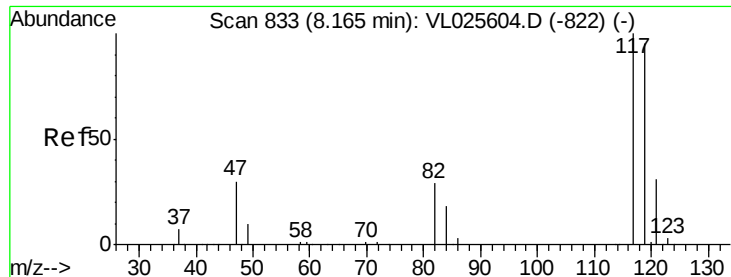
72 22.8 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.95 ppbv

RT: 8.18 min Scan# 835

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1658177

Ion Ratio Lower Upper

117 100

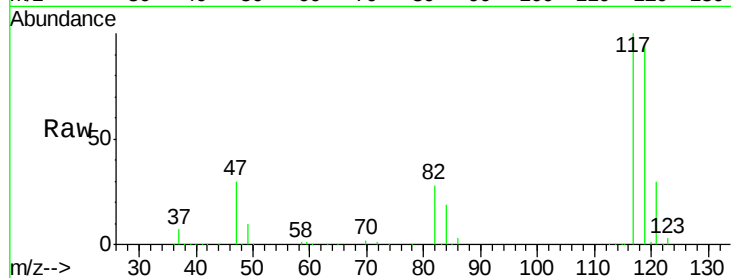
119 95.0 75.9 113.9

121 30.3 24.4 36.6

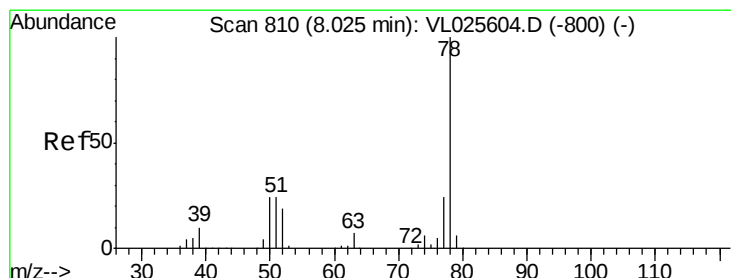
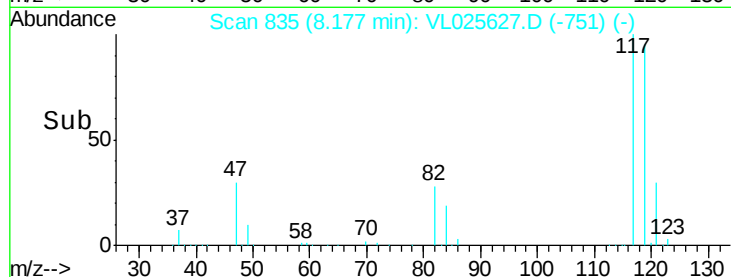
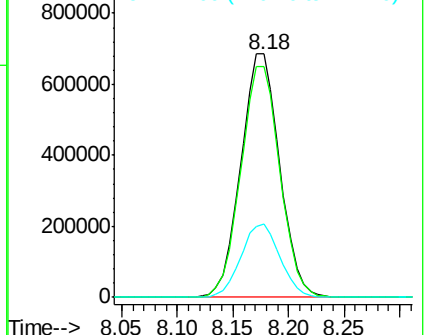
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.46 ppbv

RT: 8.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

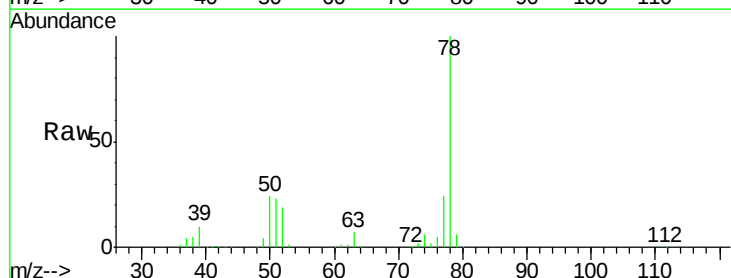
Tgt Ion: 78 Resp: 1573961

Ion Ratio Lower Upper

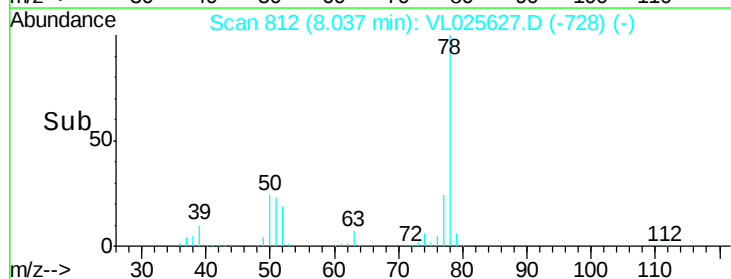
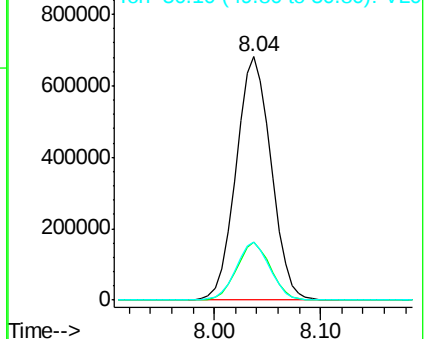
78 100

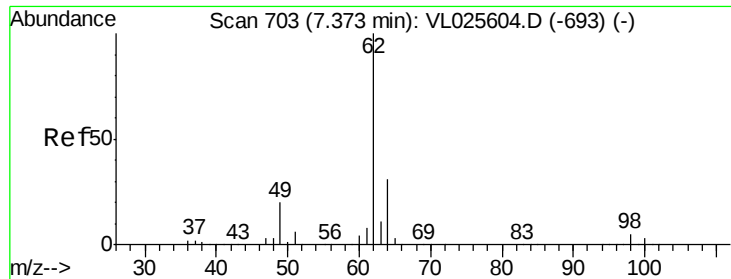
77 23.8 19.0 28.4

50 23.8 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





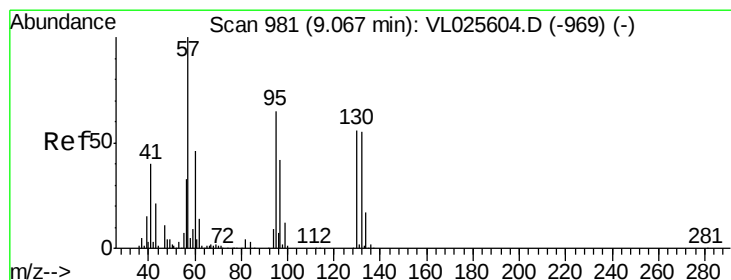
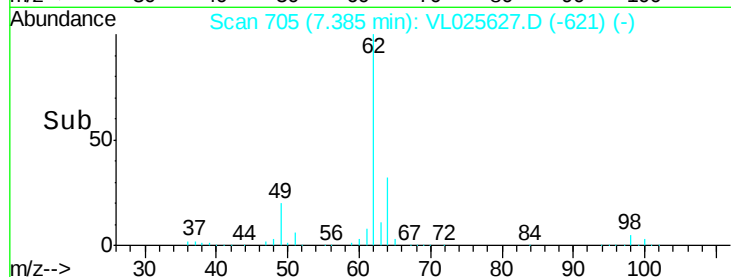
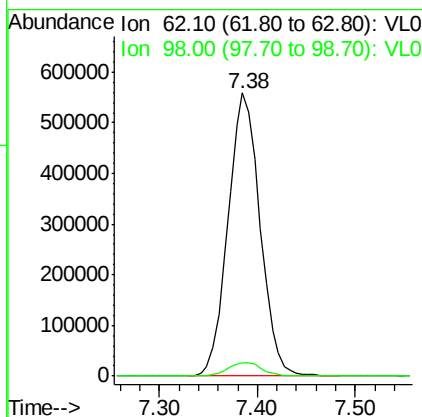
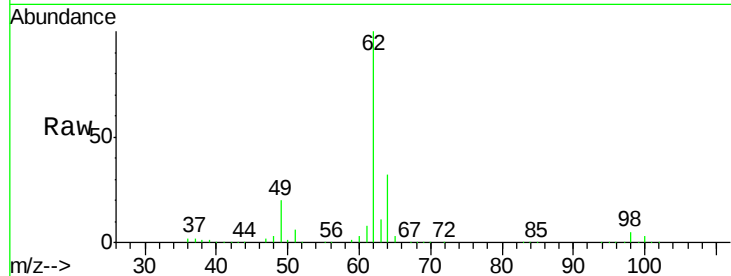
#37
 1,2-Dichloroethane
 Concen: 8.94 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1270259
 Ion Ratio Lower Upper
 62 100
 98 5.1 4.1 6.1

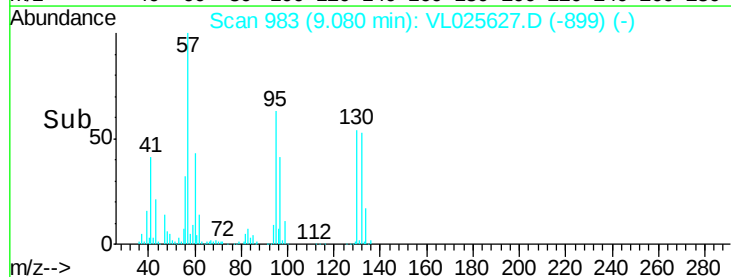
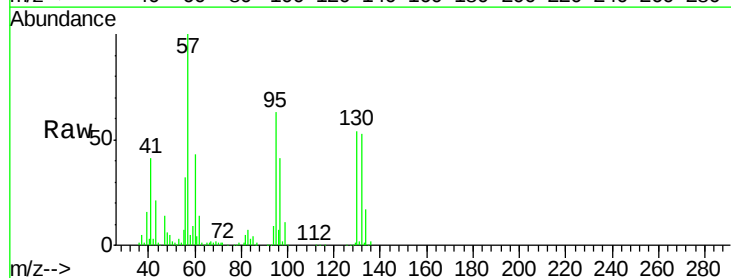
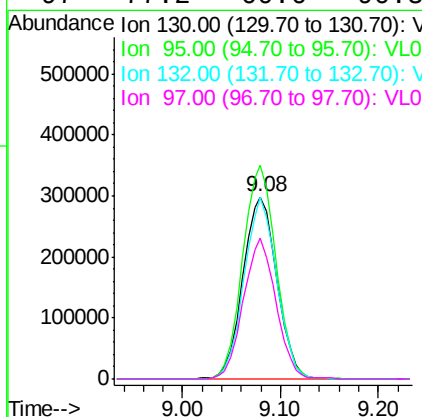
Manual Integrations
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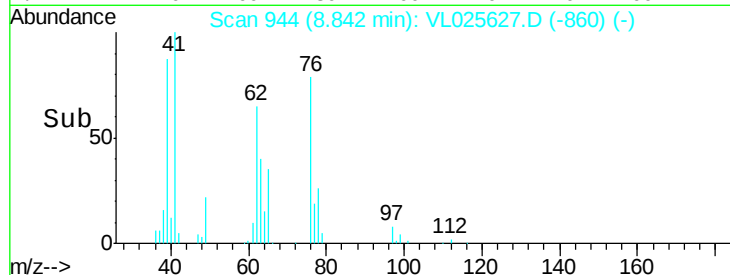
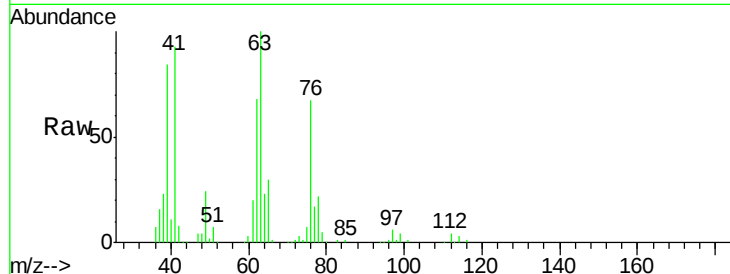
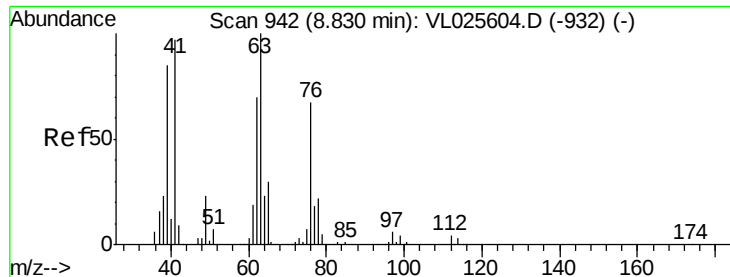
sam
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#38
 Trichloroethene
 Concen: 9.29 ppbv
 RT: 9.08 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion: 130 Resp: 719117
 Ion Ratio Lower Upper
 130 100
 95 117.4 94.2 141.4
 132 99.8 78.6 118.0
 97 77.2 60.6 90.8





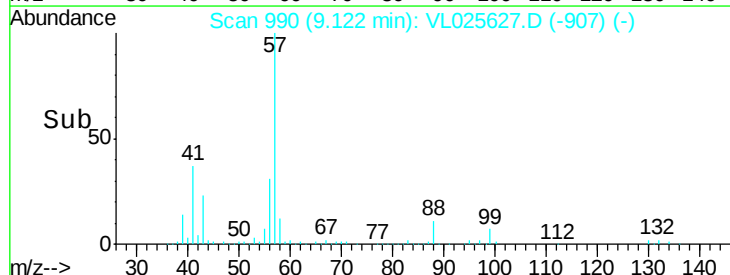
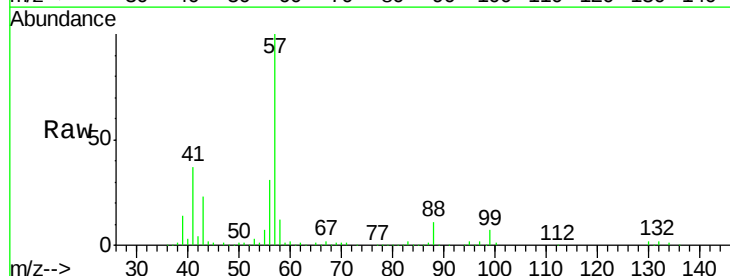
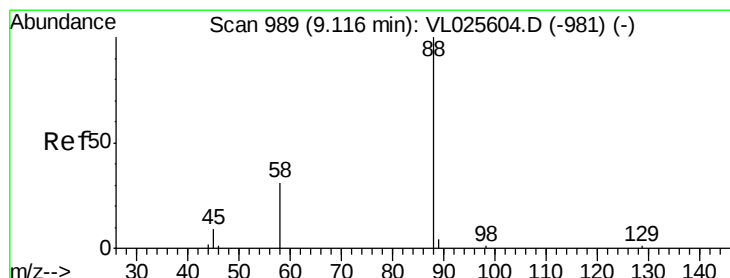
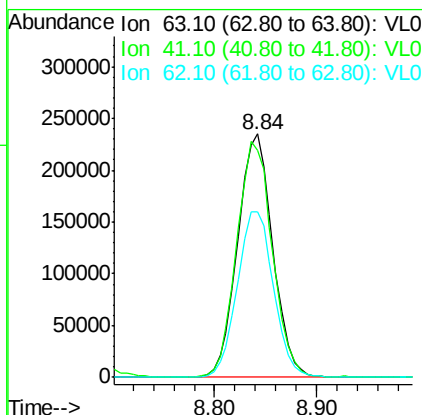
#39
1,2-Dichloropropane
Concen: 9.14 ppbv
RT: 8.84 min Scan# 944
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tot Ion	Ratio	Resp	Lower	Upper
63	100	561733		
41	93.5	78.0	117.0	
62	68.2	55.7	83.5	

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

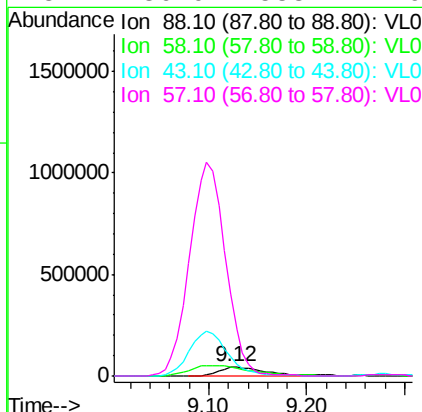
Manual Integrations
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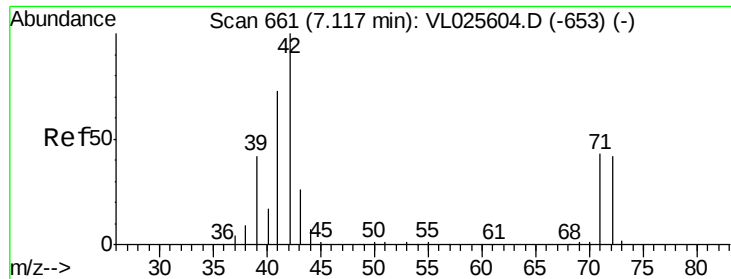
sam
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#40
1,4-Dioxane
Concen: 15.68 ppbv
RT: 9.12 min Scan# 990
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	151206		
58	153.8	127.1	190.7	
43	401.2	337.7	506.5	
57	1786.9	1533.2	2299.8	





#41

Tetrahydrofuran

Concen: 9.85 ppbv

RT: 7.13 min Scan# 663

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

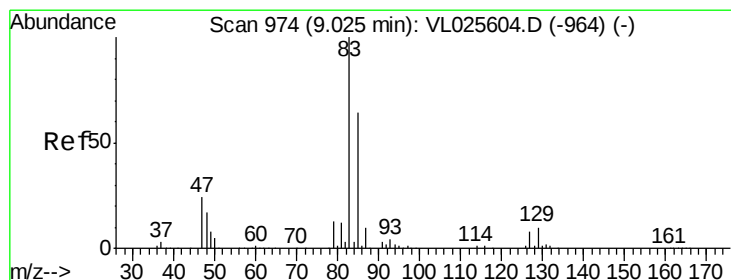
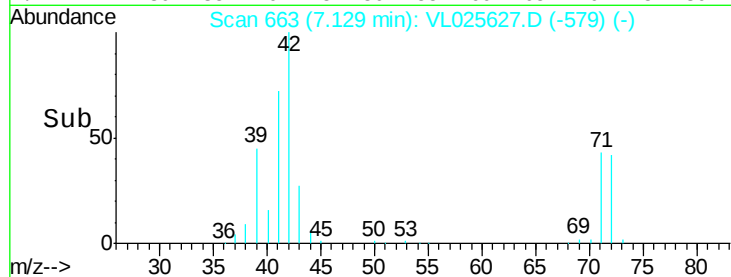
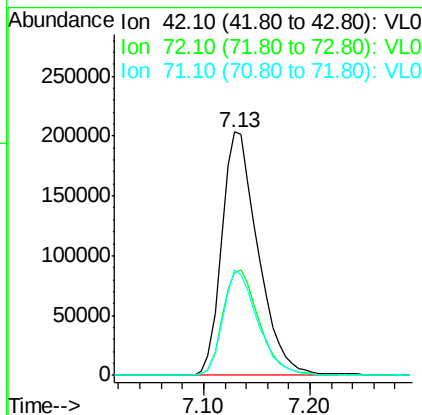
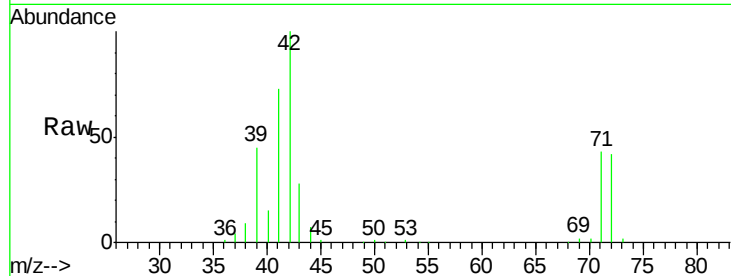
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	484850
Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.0	51.0
71	41.6	33.0	49.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.19 ppbv

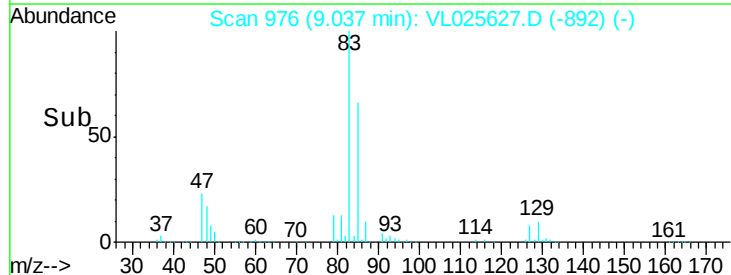
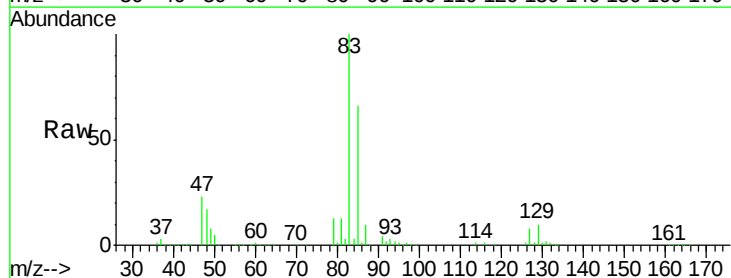
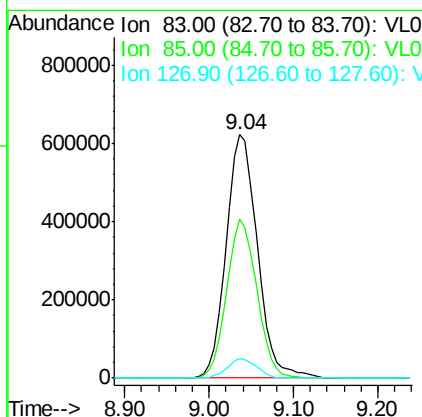
RT: 9.04 min Scan# 976

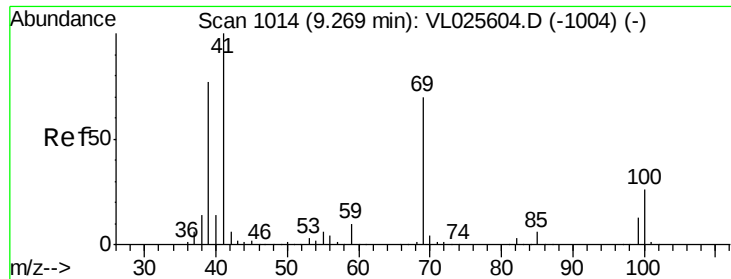
Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Tgt Ion:	83	Resp:	1574715
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.3	76.9
127	8.2	6.0	9.0





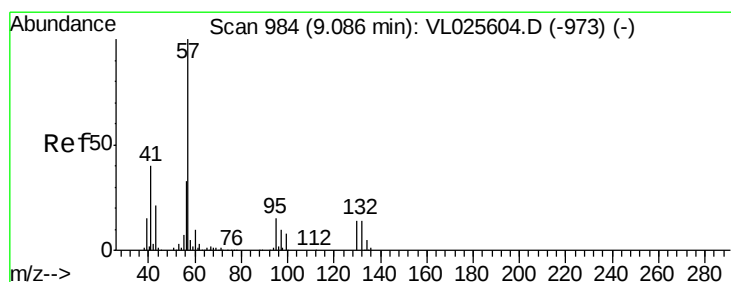
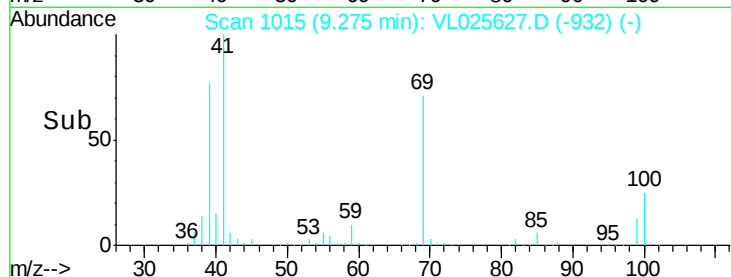
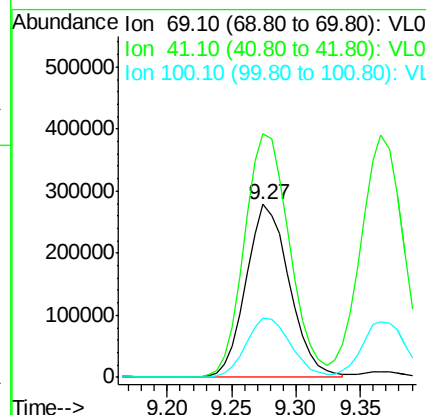
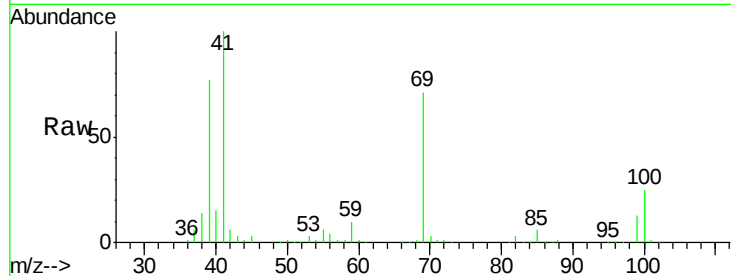
#43
Methvl Methacrilate
Concen: 10.19 ppbv
RT: 9.27 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 650868
Ion Ratio Lower Upper
69 100
41 147.3 117.3 175.9
100 35.7 29.0 43.6

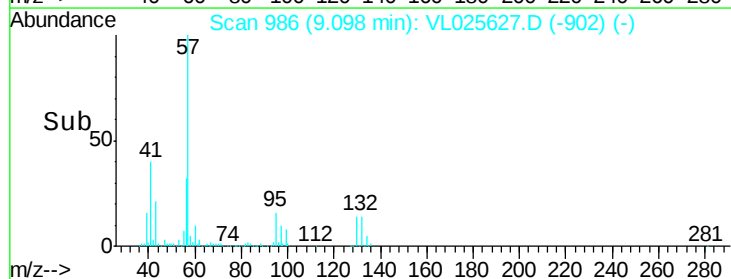
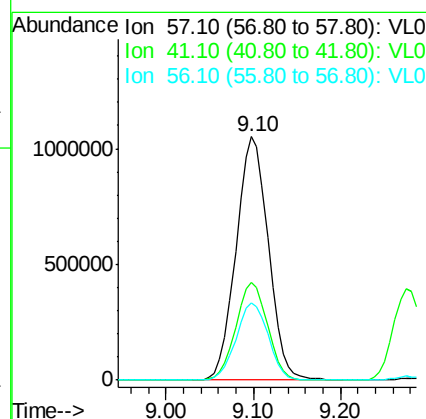
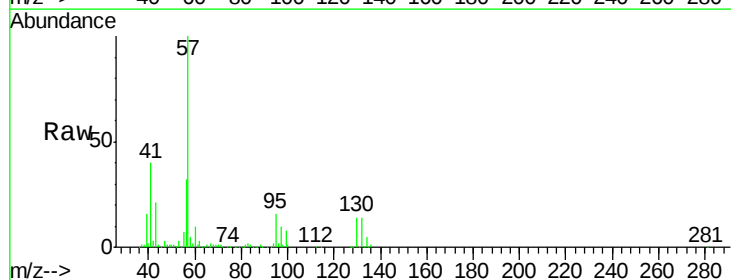
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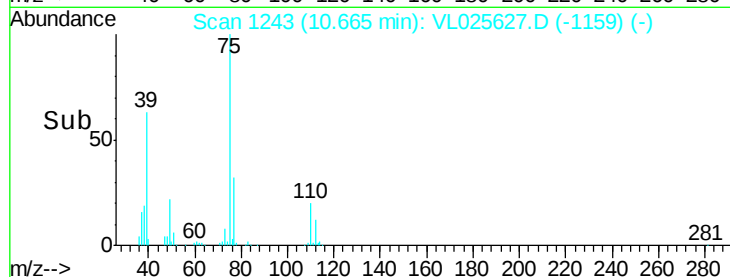
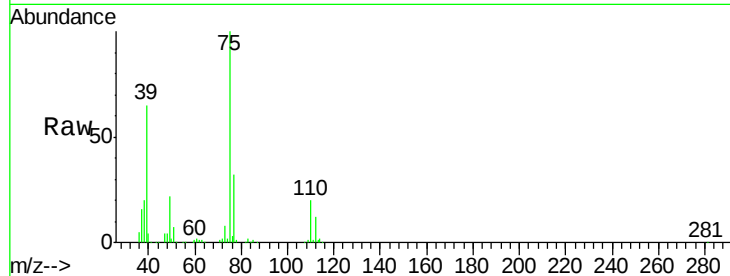
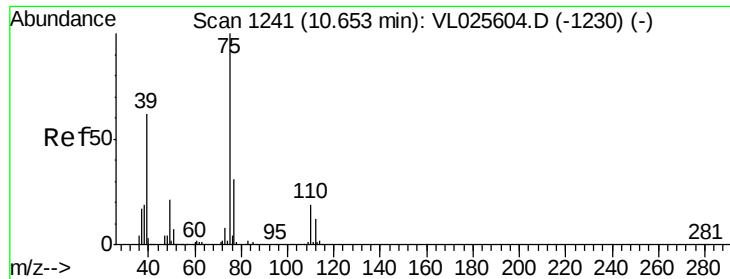
sam
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#44
2,2,4-Trimethylpentane
Concen: 9.45 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 57 Resp: 2697938
Ion Ratio Lower Upper
57 100
41 39.5 31.2 46.8
56 31.7 25.4 38.2





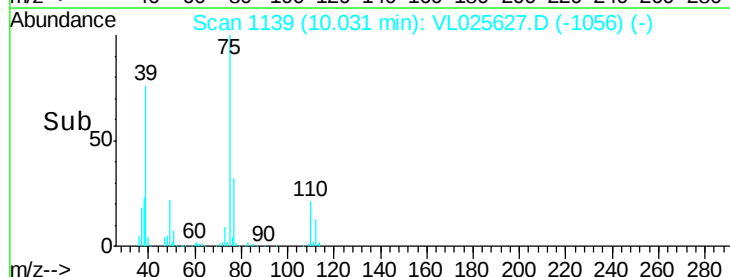
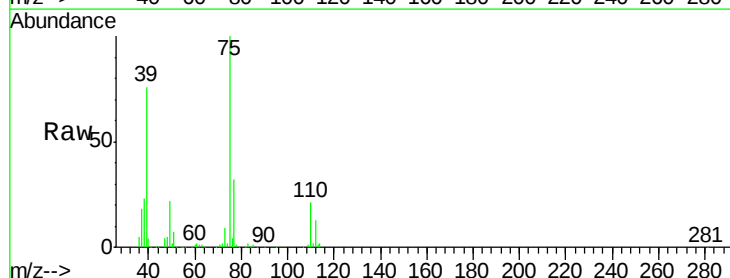
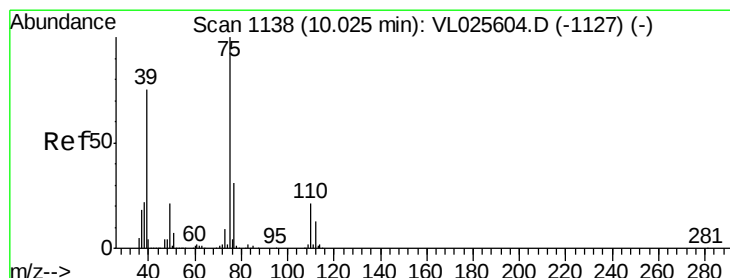
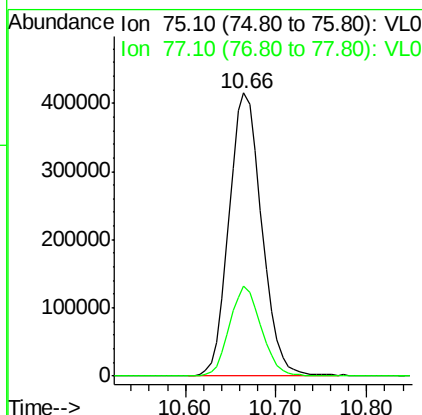
#45
t-1,3-Dichloropropene
Concen: 9.73 ppbv
RT: 10.66 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tot Ion: 75 Resp: 1045391
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

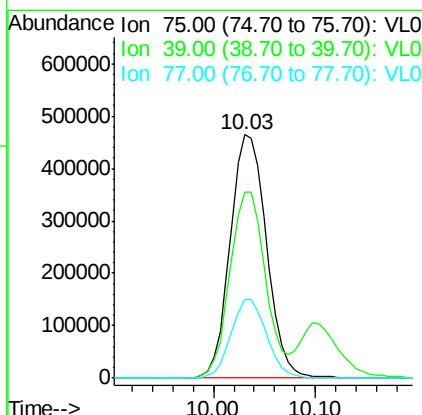
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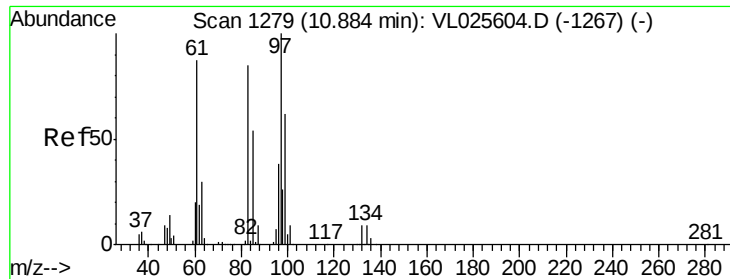
sam
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#46
cis-1,3-Dichloropropene
Concen: 9.67 ppbv
RT: 10.03 min Scan# 1139
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 75 Resp: 1148505
Ion Ratio Lower Upper
75 100
39 76.2 60.4 90.6
77 32.2 24.6 37.0





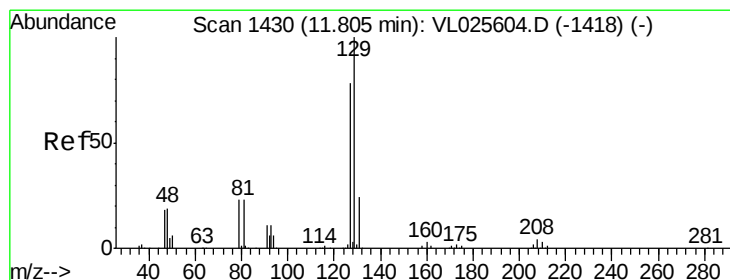
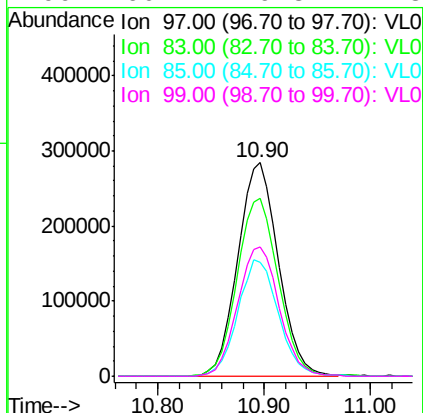
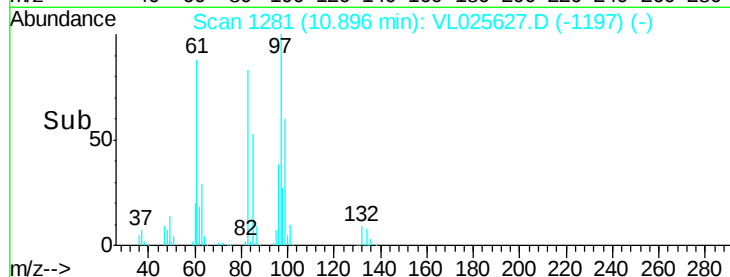
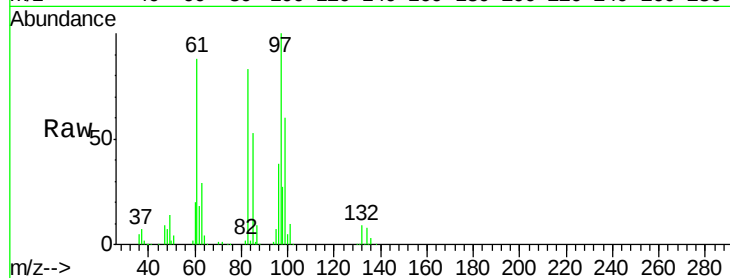
#47
 1,1,2-Trichloroethane
 Concen: 8.92 ppbv
 RT: 10.90 min Scan# 1281
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.8	101.8
85	53.3	43.5	65.3
99	60.4	49.8	74.8

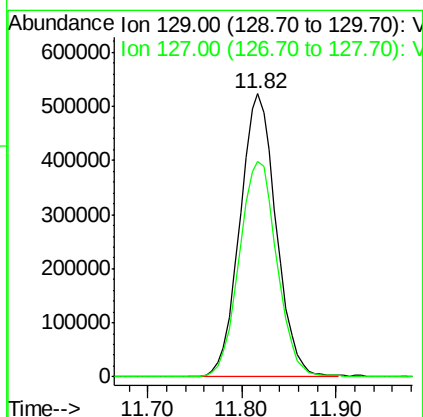
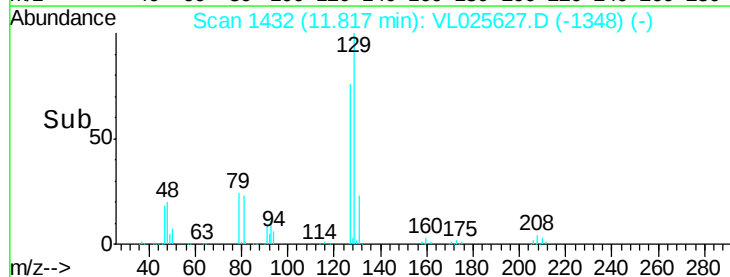
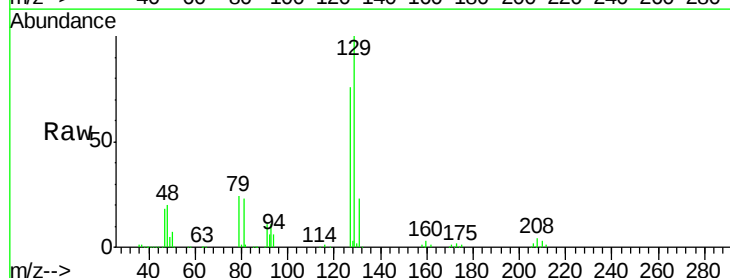
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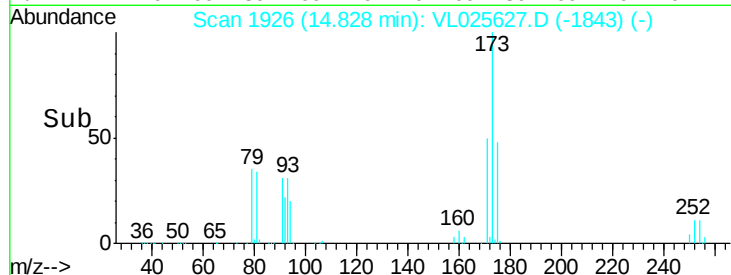
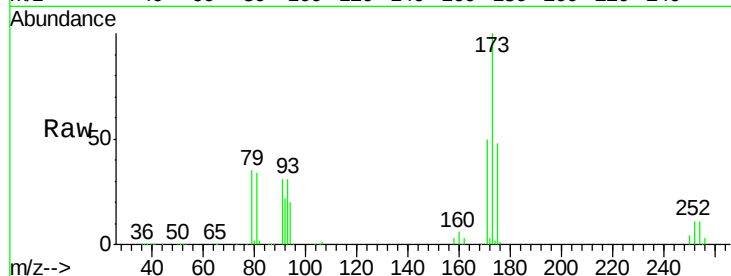
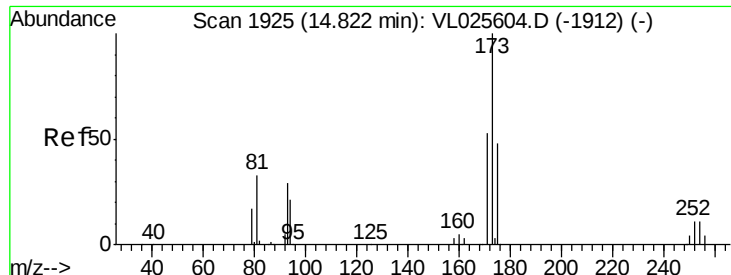
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#48
 Dibromochloromethane
 Concen: 9.22 ppbv
 RT: 11.82 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.0	116.9





#49

Bromoform

Concen: 9.26 ppbv

RT: 14.83 min Scan# 1926

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Tot Ion: 173 Resp: 1169293

Ion Ratio Lower Upper

173 100

175 48.4 39.5 59.3

171 51.4 42.2 63.2

Instrument :

MSVOA_L

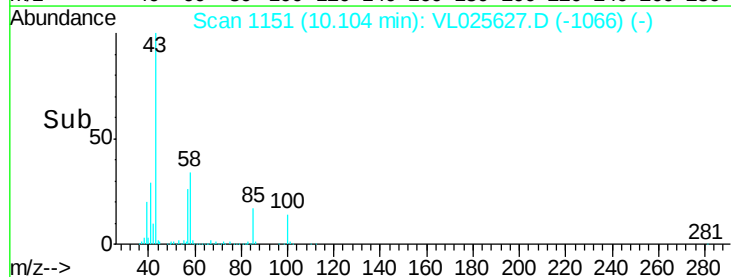
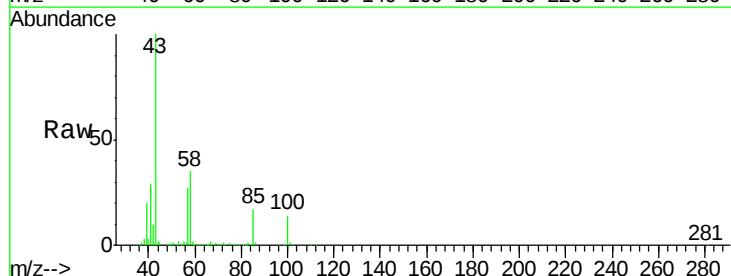
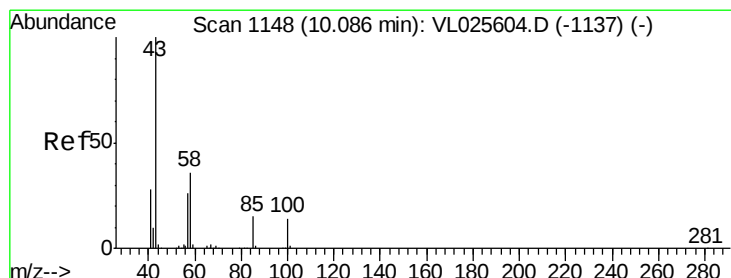
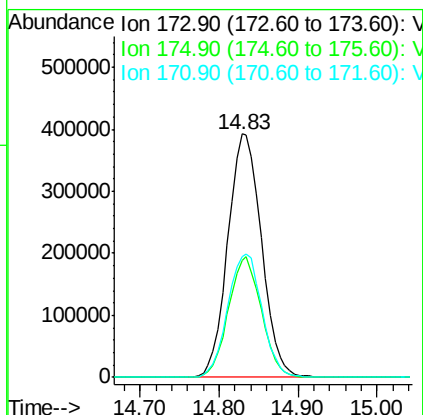
ClientSampleId :

VSTDCCC010

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 9.85 ppbv

RT: 10.10 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VL025627.D

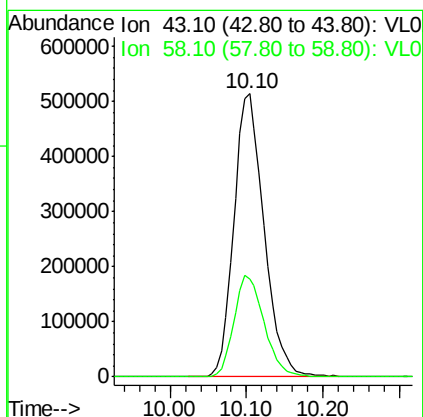
Acq: 8 Jul 2015 3:54

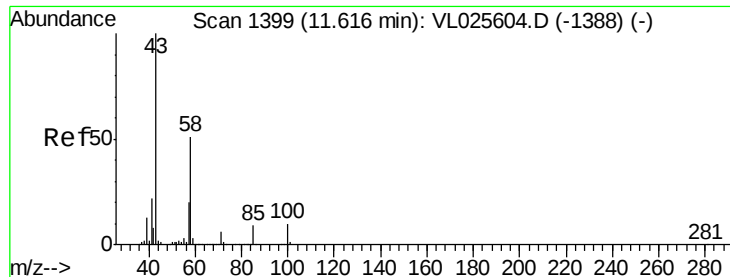
Tgt Ion: 43 Resp: 1398788

Ion Ratio Lower Upper

43 100

58 36.0 28.5 42.7





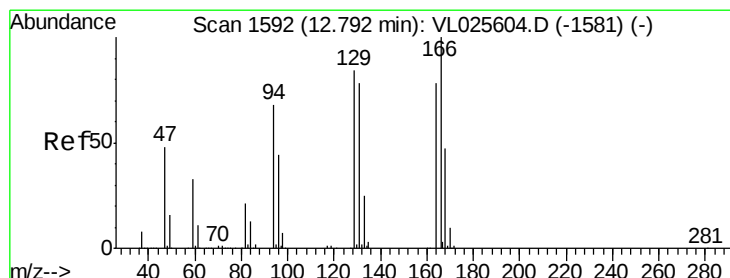
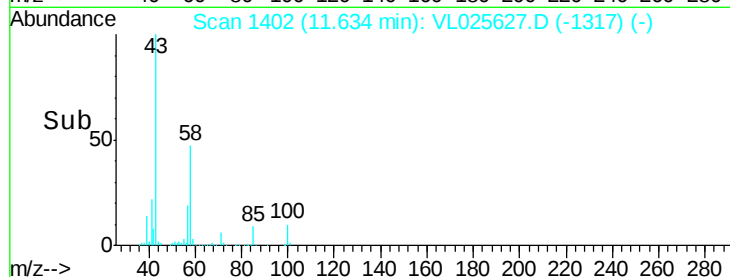
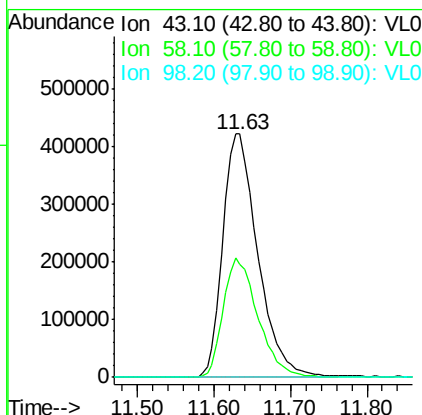
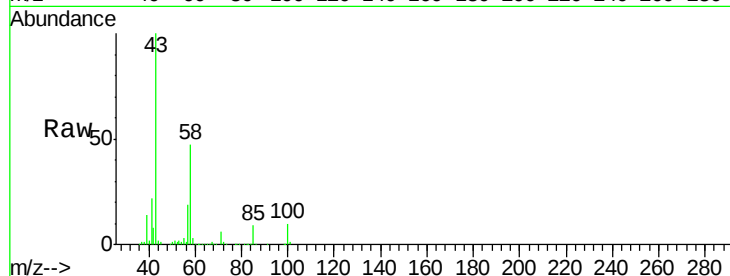
#51
2-Hexanone
Concen: 10.48 ppbv
RT: 11.63 min Scan# 1402
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1335491
Ion Ratio Lower Upper
43 100
58 48.7 39.0 58.6
98 0.3 0.2 0.4

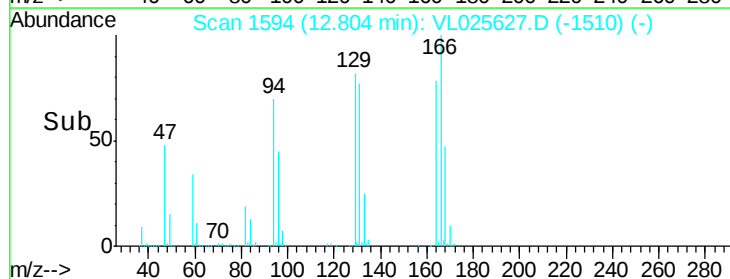
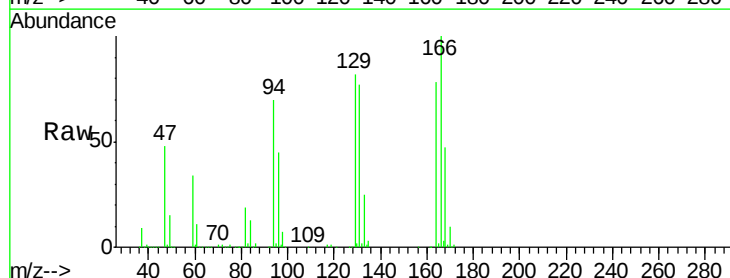
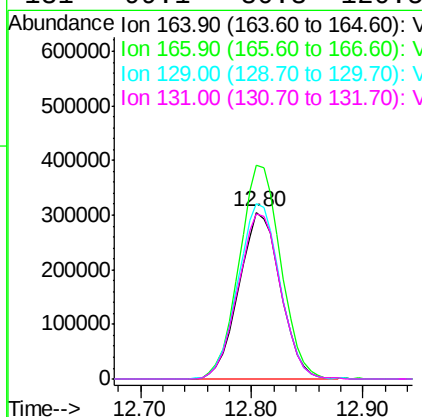
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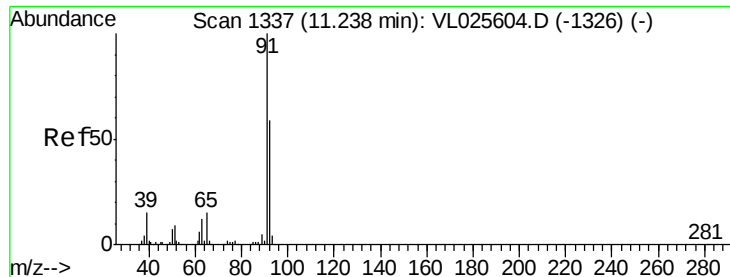
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#52
Tetrachloroethene
Concen: 9.51 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 164 Resp: 793639
Ion Ratio Lower Upper
164 100
166 128.2 102.3 153.5
129 104.9 86.2 129.4
131 99.1 80.3 120.5





#53

Toluene

Concen: 9.75 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2279897

Ion Ratio Lower Upper

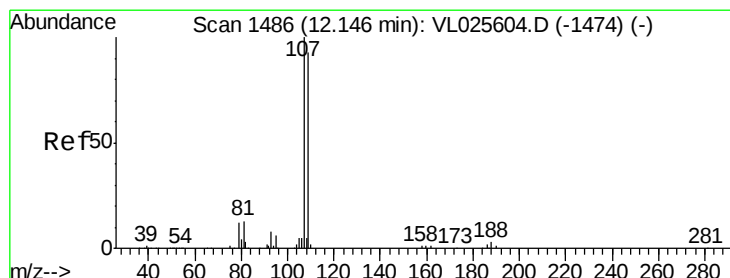
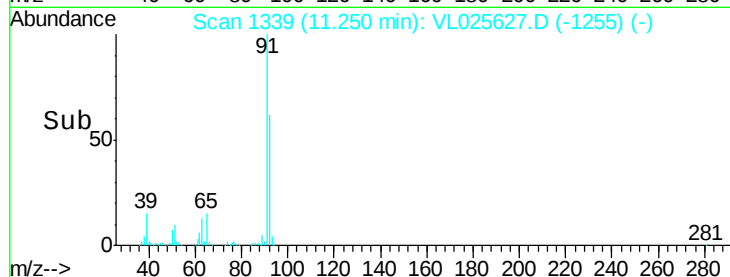
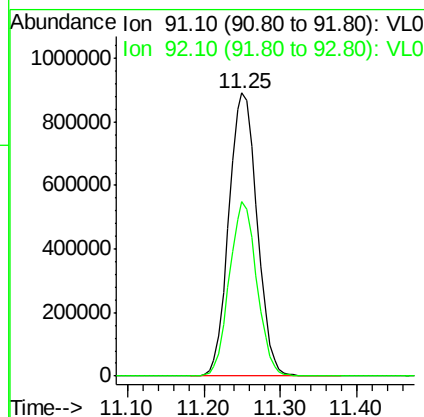
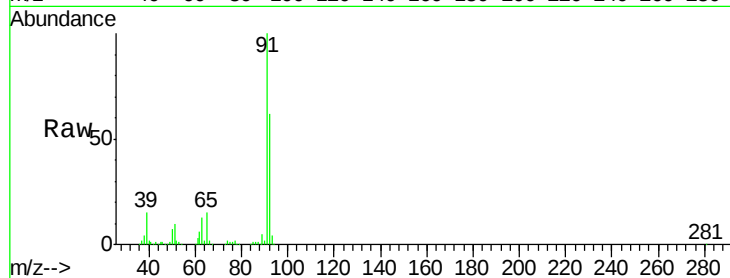
91 100

92 60.0 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 8.93 ppbv

RT: 12.16 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VL025627.D

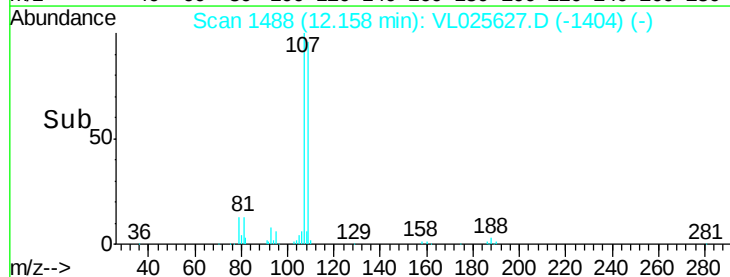
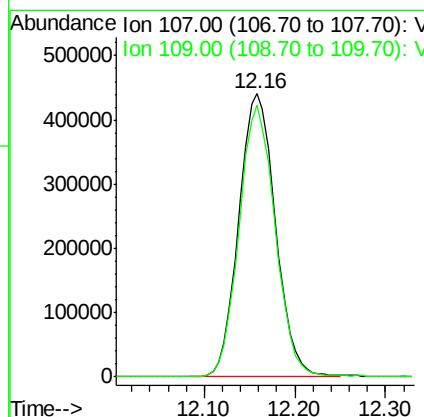
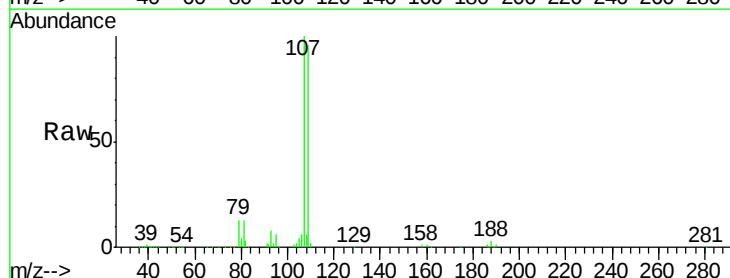
Acq: 8 Jul 2015 3:54

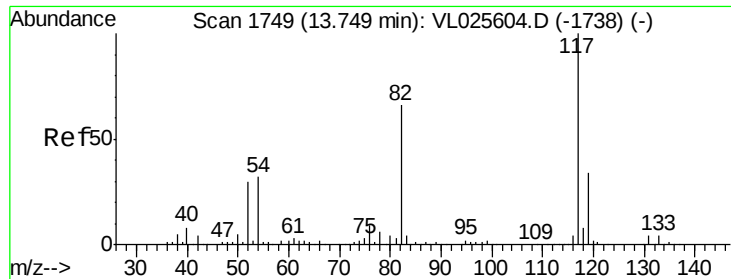
Tgt Ion: 107 Resp: 1236283

Ion Ratio Lower Upper

107 100

109 96.0 74.1 111.1





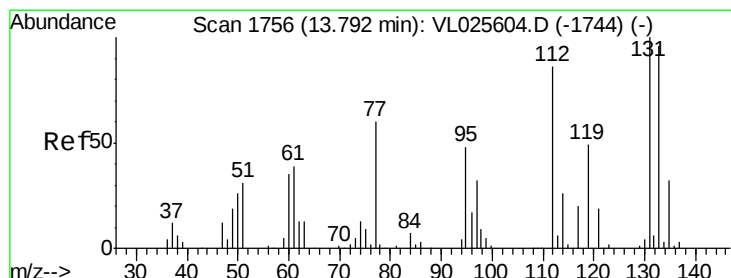
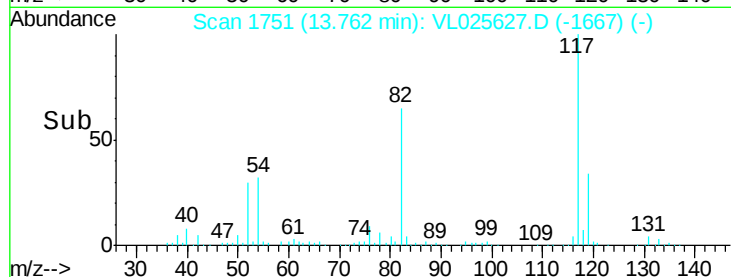
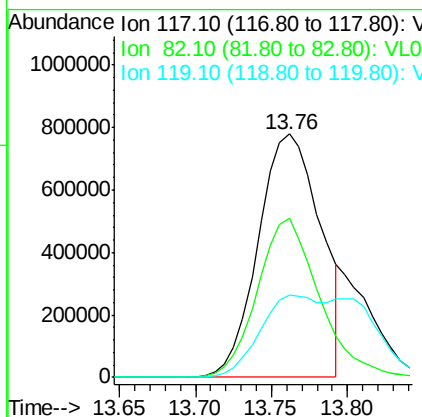
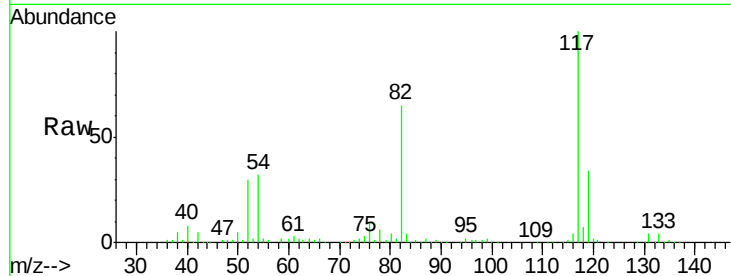
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.76 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2221621
Ion Ratio Lower Upper
117 100
82 65.5 50.5 75.7
119 59.3 45.1 67.7

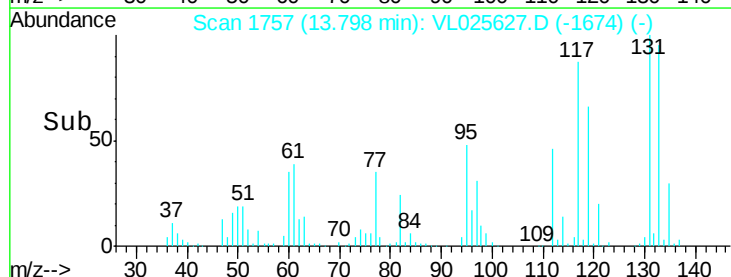
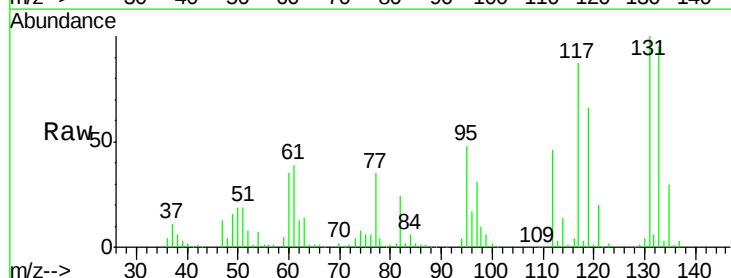
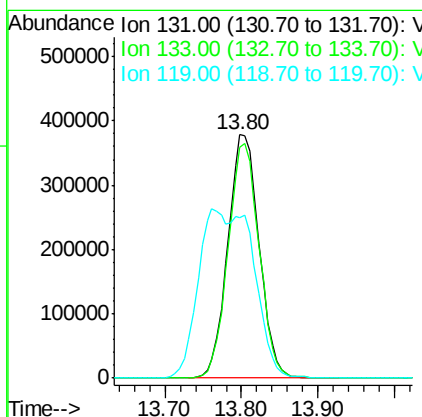
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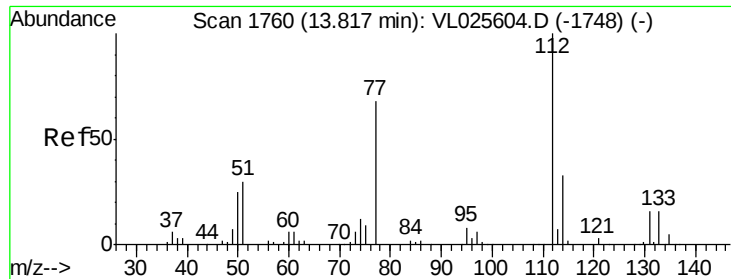
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.94 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:131 Resp: 1073579
Ion Ratio Lower Upper
131 100
133 95.7 76.9 115.3
119 122.6 97.8 146.8





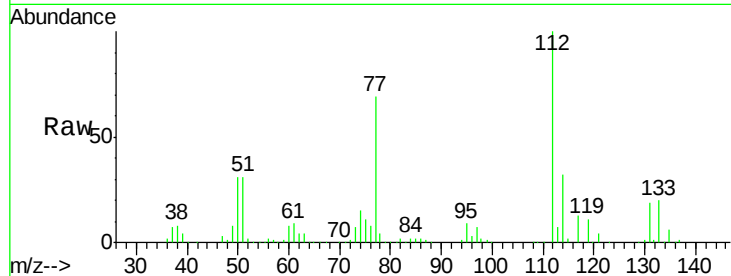
#57
Chlorobenzene
Concen: 8.53 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

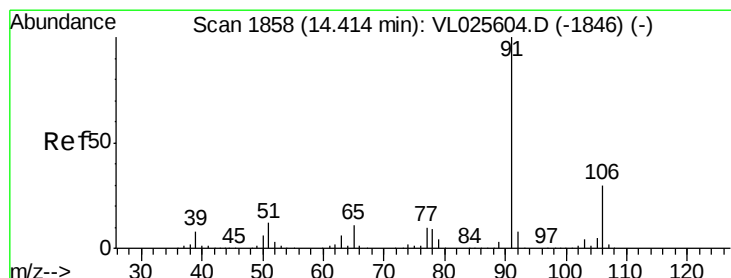
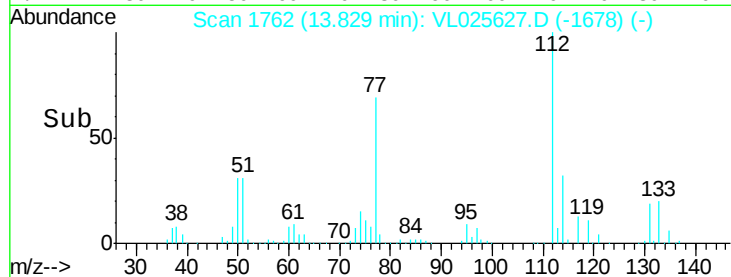
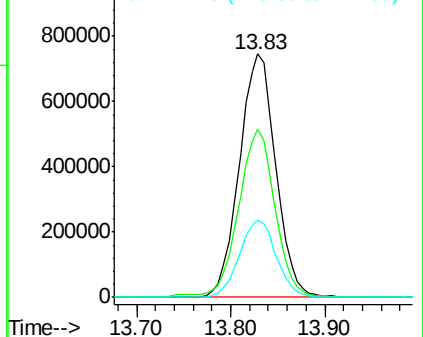
Tot Ion: 112 Resp: 2015290
Ion Ratio Lower Upper
112 100
77 68.8 55.2 82.8
114 31.5 29.4 36.0

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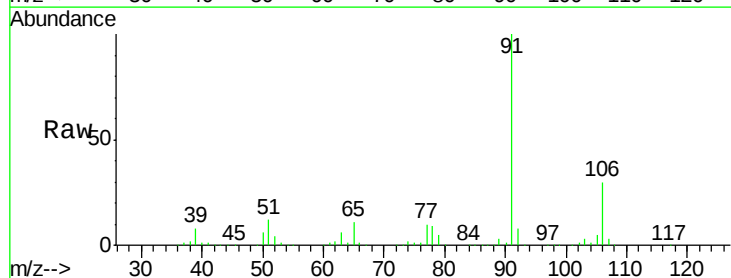


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

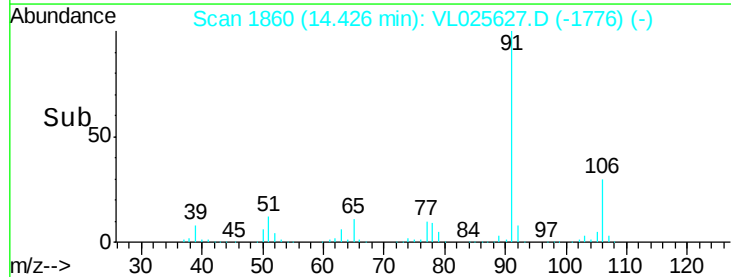
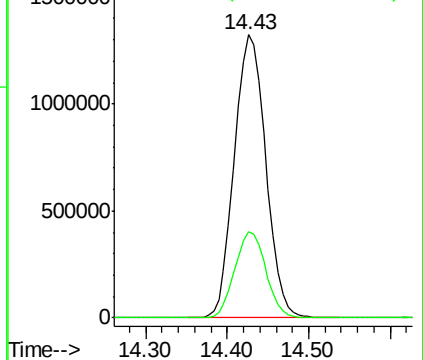


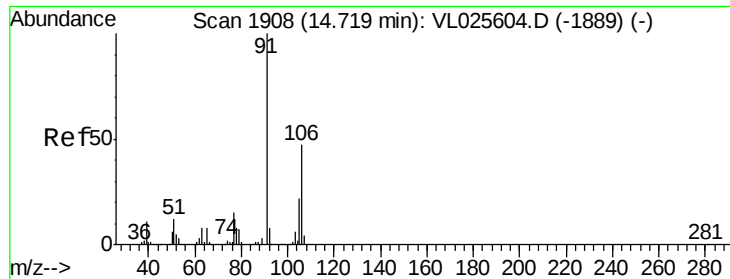
#58
Ethyl Benzene
Concen: 9.64 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 91 Resp: 3538103
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





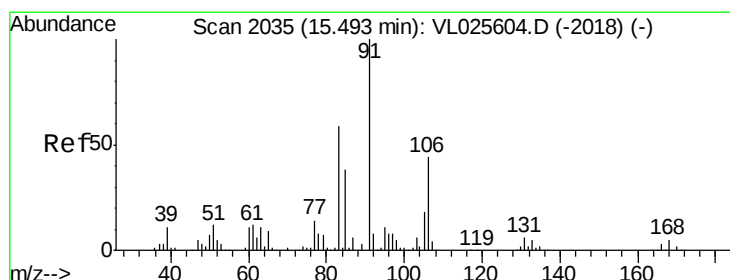
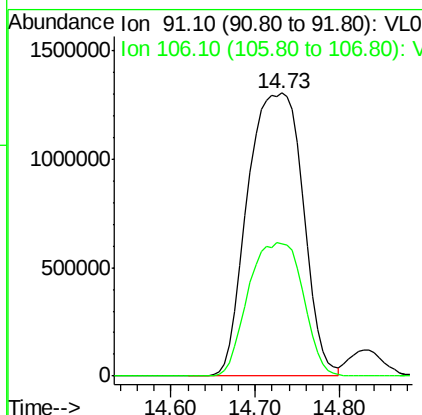
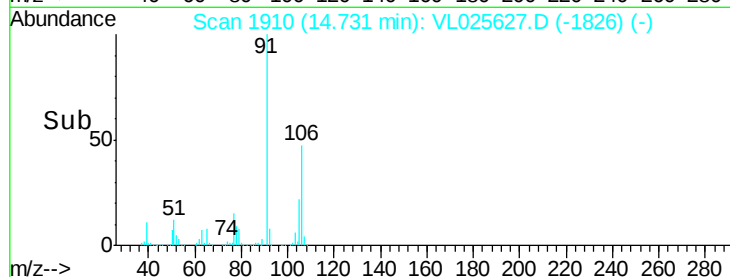
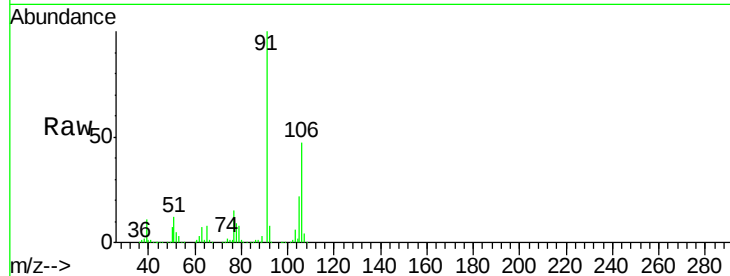
#59
m/p-Xylene
Concen: 18.25 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5883148
Ion Ratio Lower Upper
91 100
106 46.8 37.9 56.9

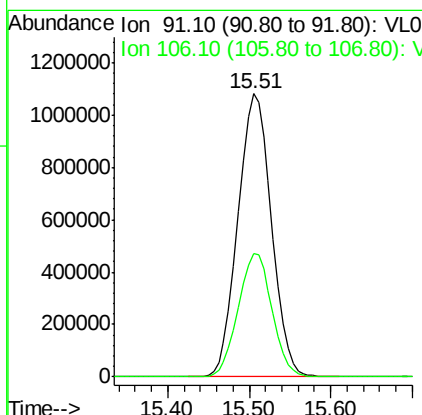
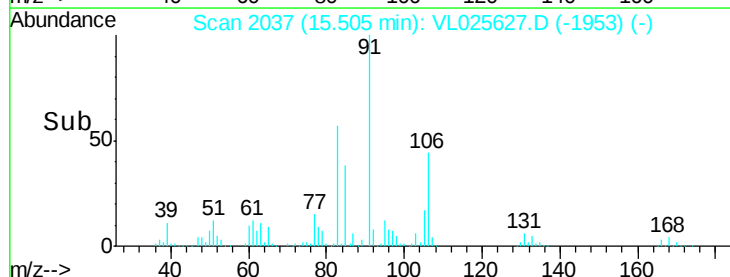
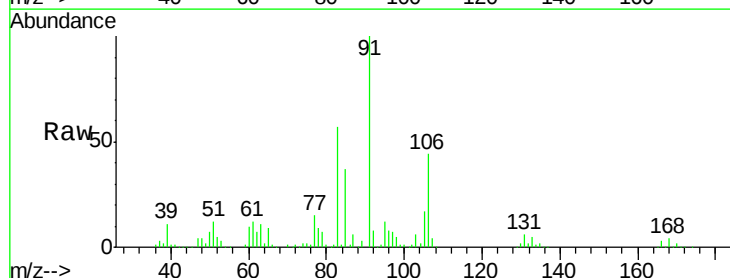
Manual Integrations
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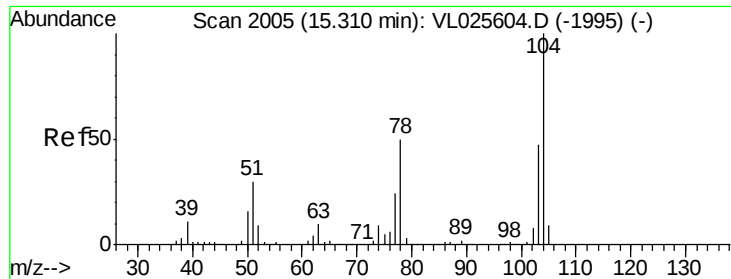
sam
7/8/2015 11:04:56 AM



#60
o-Xylene
Concen: 8.89 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion: 91 Resp: 3086624
Ion Ratio Lower Upper
91 100
106 43.8 22.1 66.1





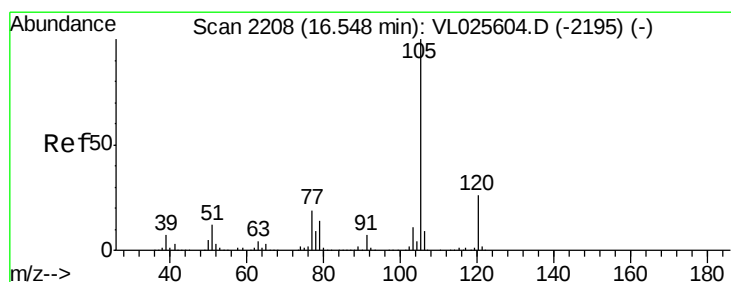
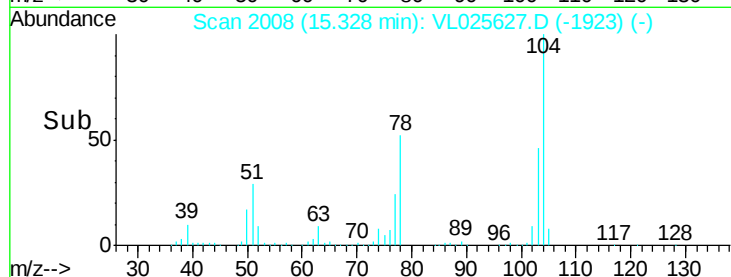
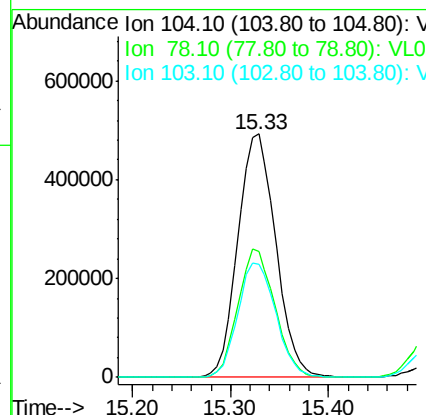
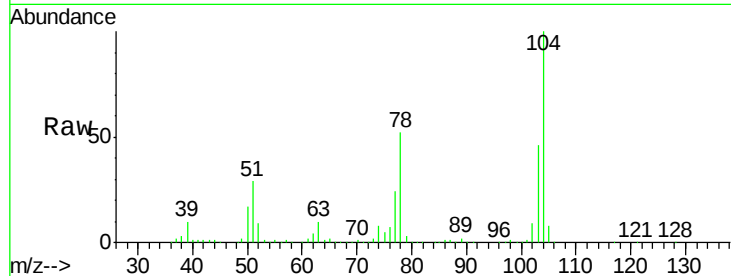
#61
Stvrene
Concen: 10.89 ppbv
RT: 15.33 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:104 Resp: 1325210
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.4
103 47.3 37.4 56.2

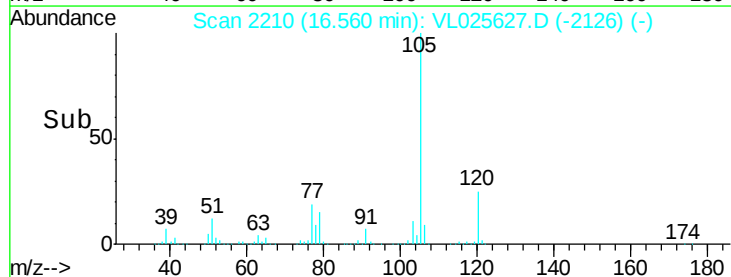
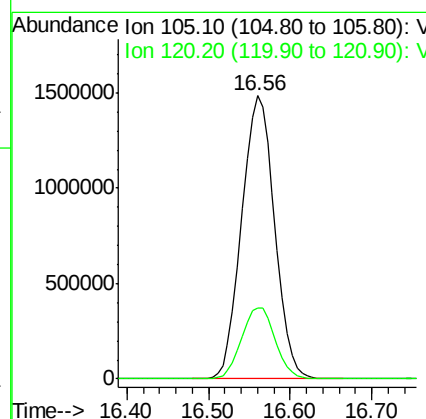
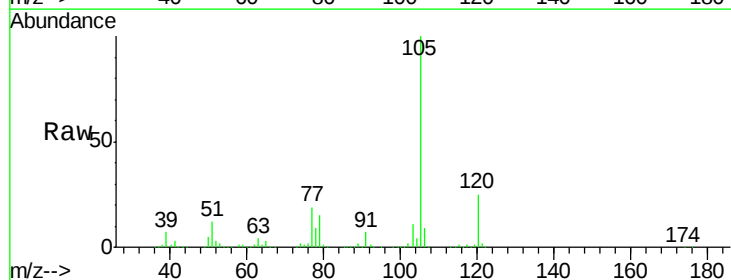
Manual Integrations
APPROVED

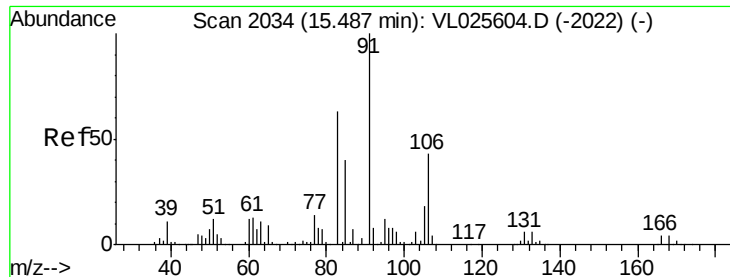
sam
7/8/2015 11:04:56 AM



#62
Isopropylbenzene
Concen: 9.16 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VL025627.D
Acq: 8 Jul 2015 3:54

Tgt Ion:105 Resp: 4158288
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0





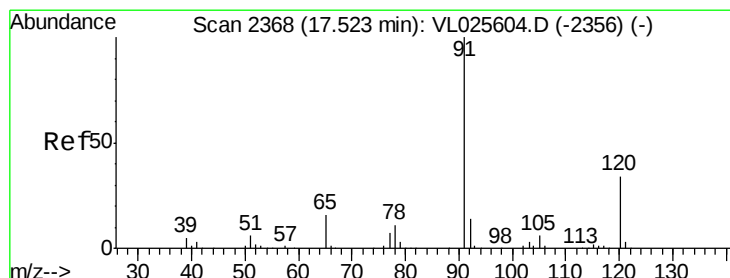
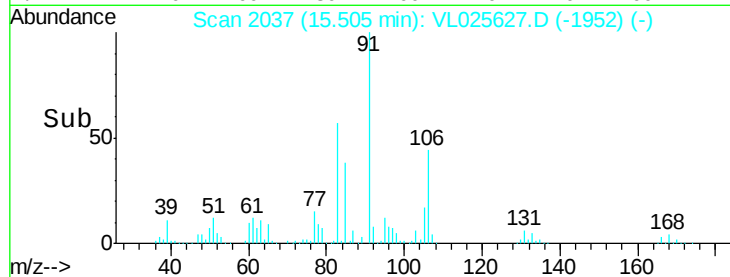
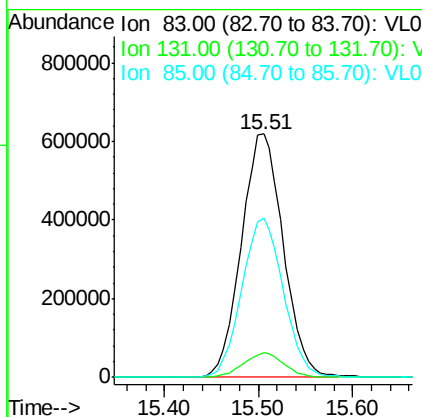
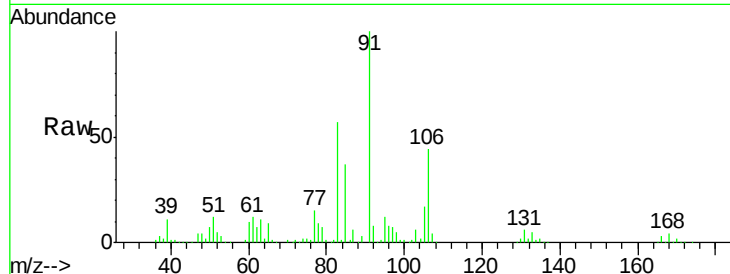
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.21 ppbv
 RT: 15.51 min Scan# 2037
 Delta R.T. 0.02 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 1928144
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.4
 85 64.9 32.4 97.2

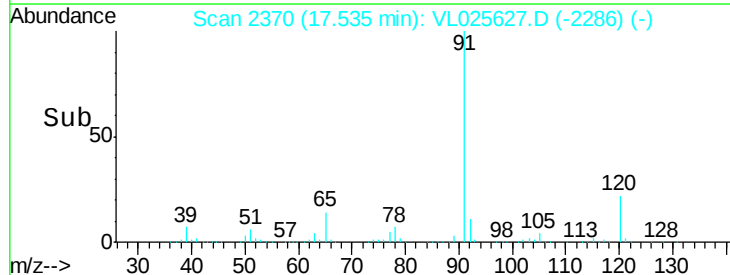
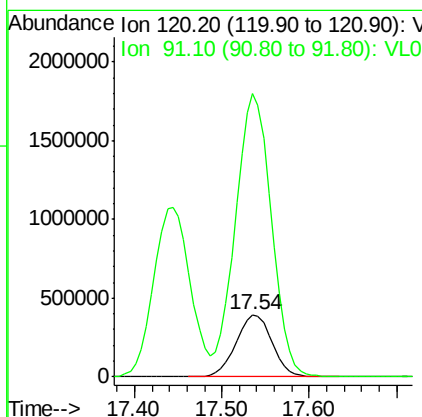
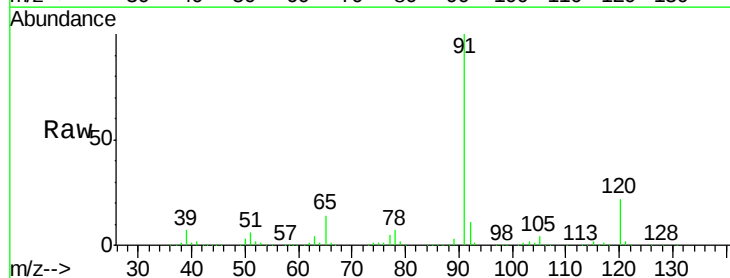
Manual Integrations
 APPROVED

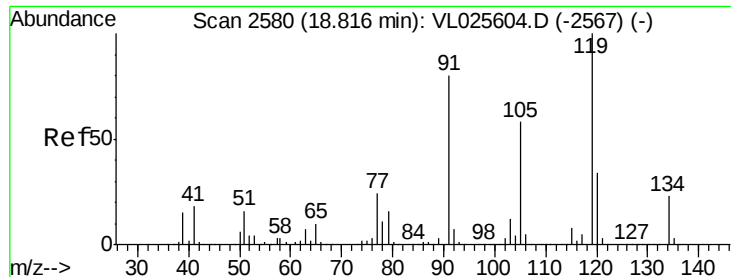
sam
 7/8/2015 11:04:56 AM



#64
 n-propylbenzene
 Concen: 9.15 ppbv
 RT: 17.54 min Scan# 2370
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion:120 Resp: 1122801
 Ion Ratio Lower Upper
 120 100
 91 453.8 370.5 555.7





#65

tert-Butylbenzene

Concen: 8.73 ppbv

RT: 18.83 min Scan# 2583

Delta R.T. 0.02 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3889852

Ion Ratio Lower Upper

119 100

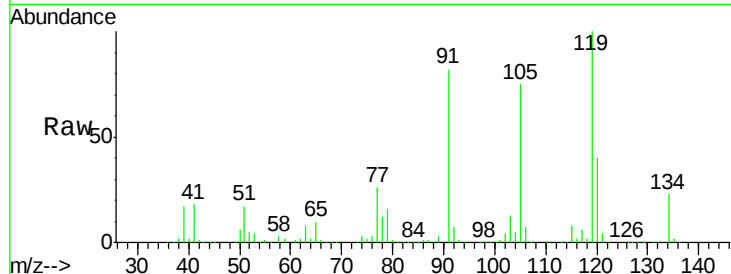
91 81.7 64.5 96.7

134 21.9 17.4 26.0

Manual Integrations
APPROVED

sam

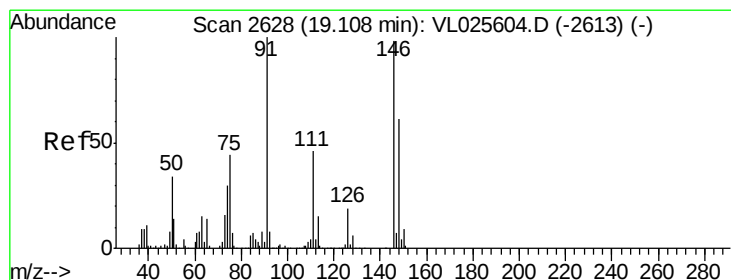
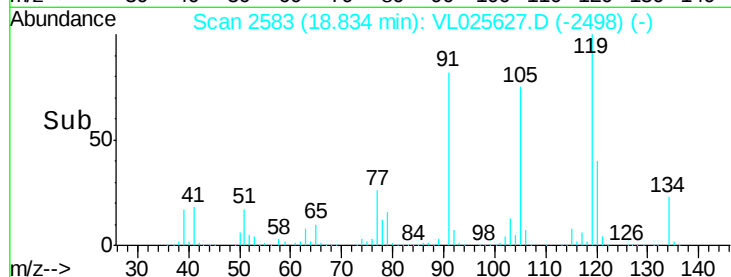
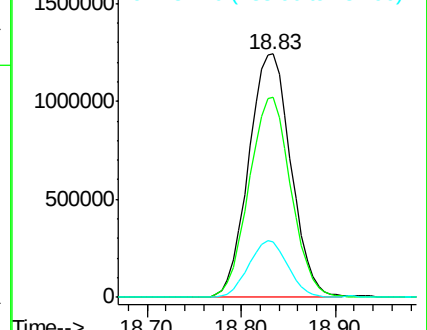
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 6.95 ppbv

RT: 19.12 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

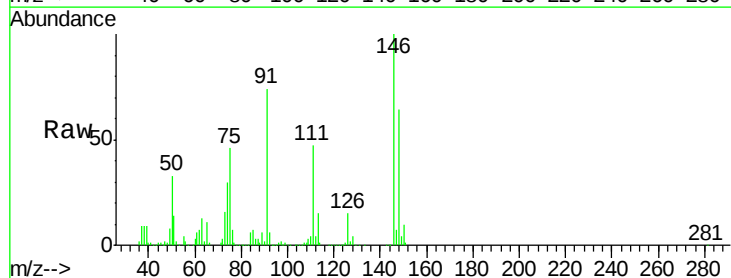
Tgt Ion: 91 Resp: 1136089

Ion Ratio Lower Upper

91 100

126 18.3 14.5 21.7

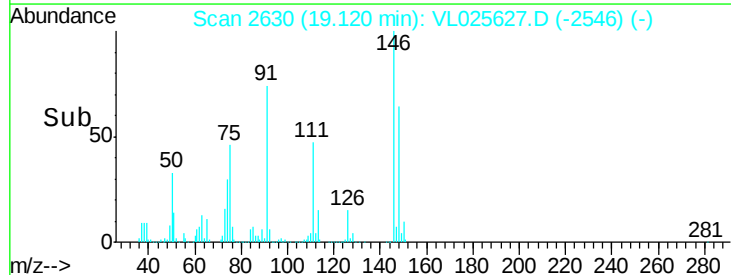
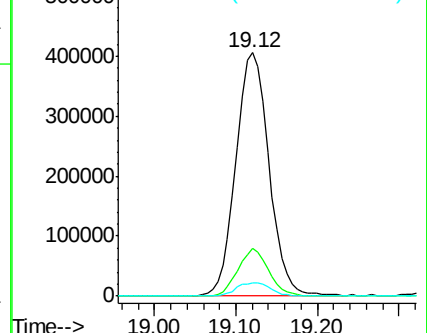
128 5.8 4.6 7.0

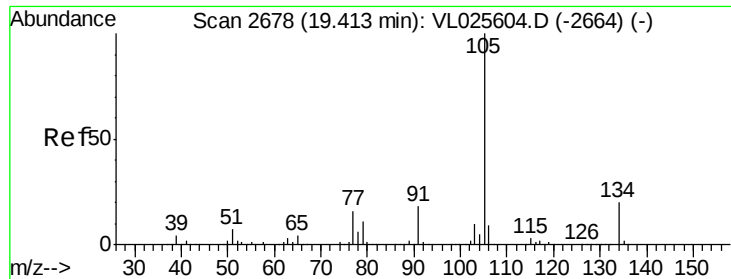


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.77 ppbv

RT: 19.43 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5476663

Ion Ratio Lower Upper

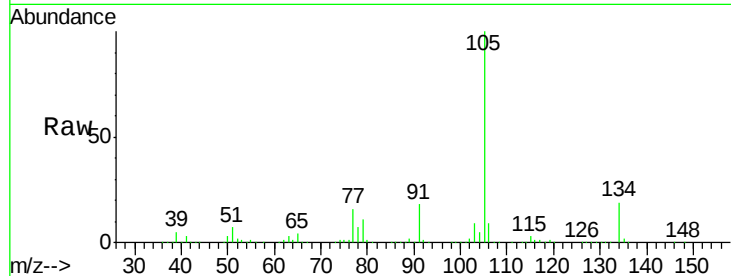
105 100

134 19.3 15.4 23.2

Manual Integrations
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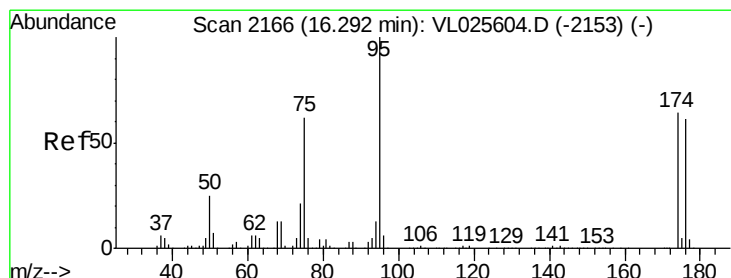
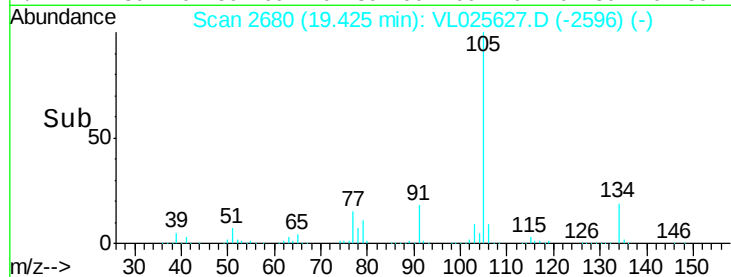
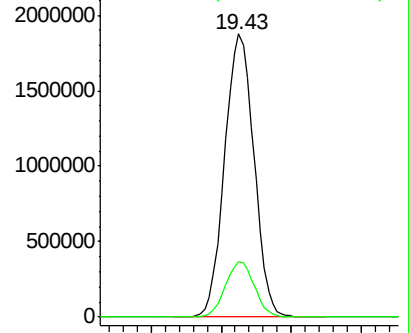
sam

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.85 ppbv

RT: 16.30 min Scan# 2168

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

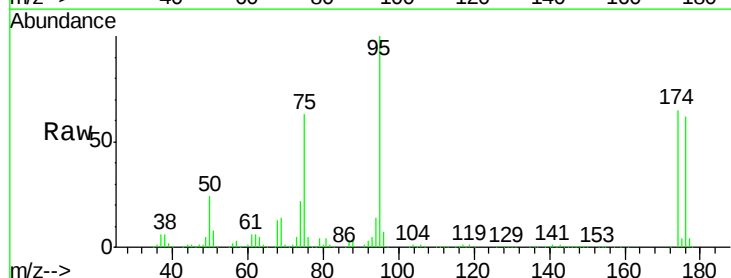
Tgt Ion: 95 Resp: 1846556

Ion Ratio Lower Upper

95 100

174 64.7 52.0 78.0

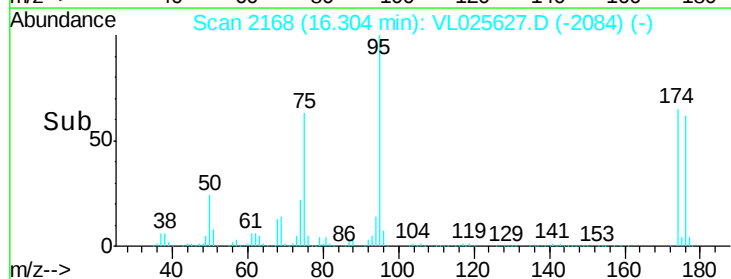
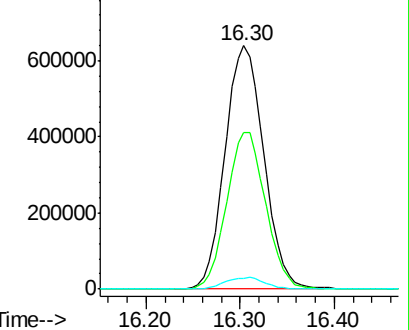
175 4.8 3.9 5.9

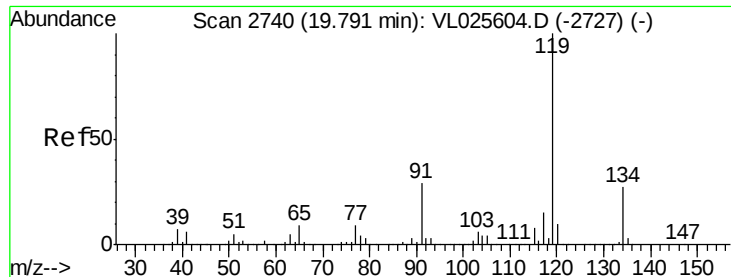


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





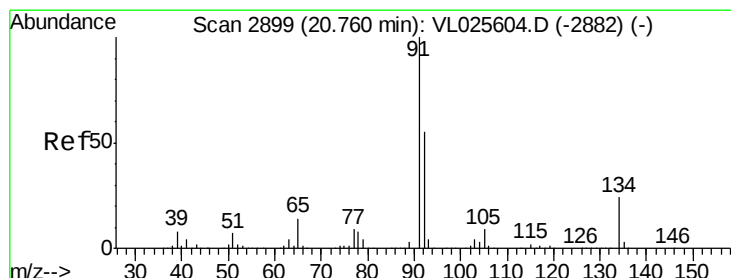
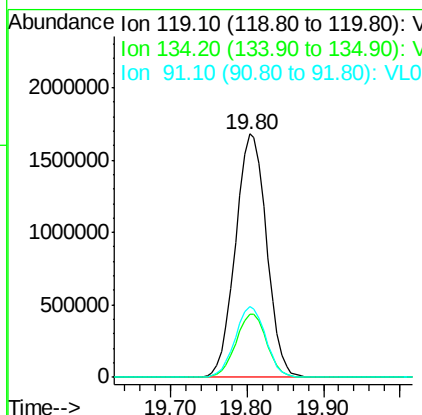
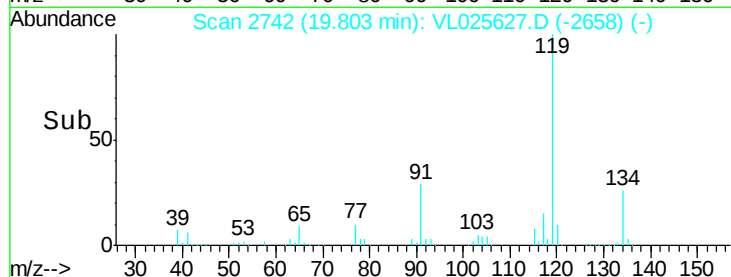
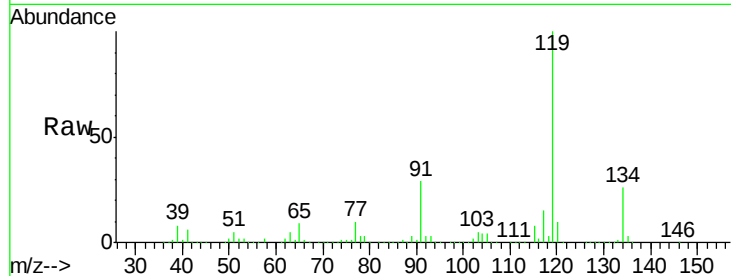
#69
 p-Isopropyltoluene
 Concen: 9.21 ppbv
 RT: 19.80 min Scan# 2742
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 119 Resp: 4738361
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.7 31.1
 91 28.6 22.6 34.0

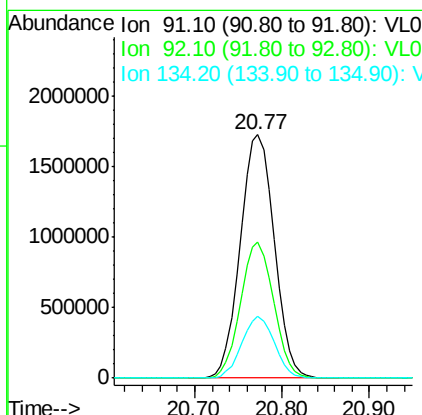
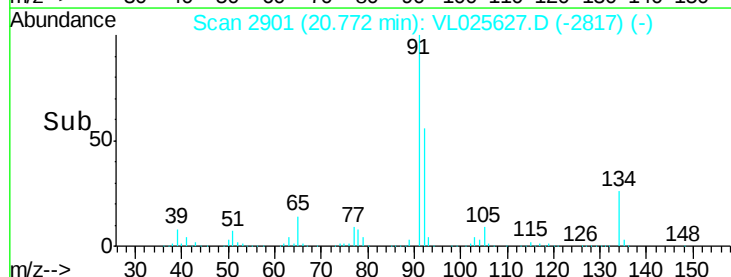
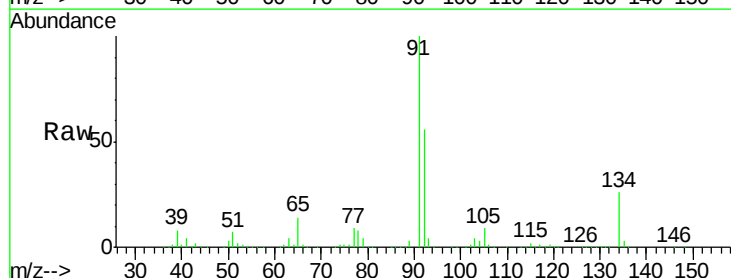
Manual Integrations
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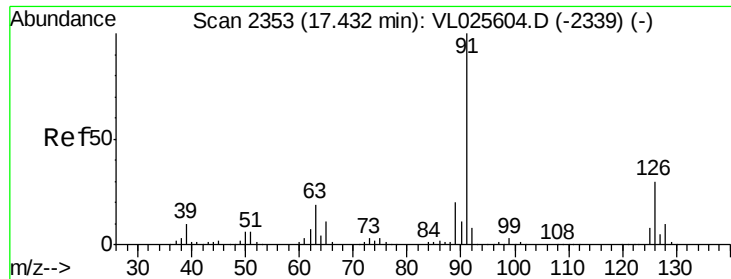
sam
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#70
 n-Butylbenzene
 Concen: 8.98 ppbv
 RT: 20.77 min Scan# 2901
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion: 91 Resp: 4683983
 Ion Ratio Lower Upper
 91 100
 92 54.6 44.3 66.5
 134 24.4 19.4 29.2





#71

2-Chlorotoluene

Concen: 9.43 ppbv

RT: 17.44 min Scan# 2355

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 3139250

Ion Ratio Lower Upper

91 100

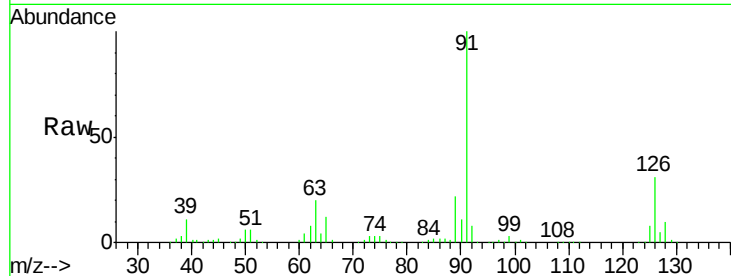
126 30.5 12.2 49.0

Manual Integrations

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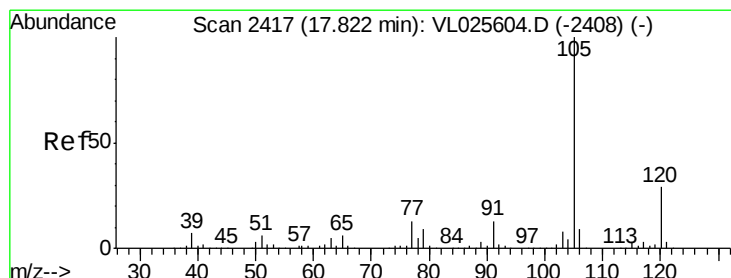
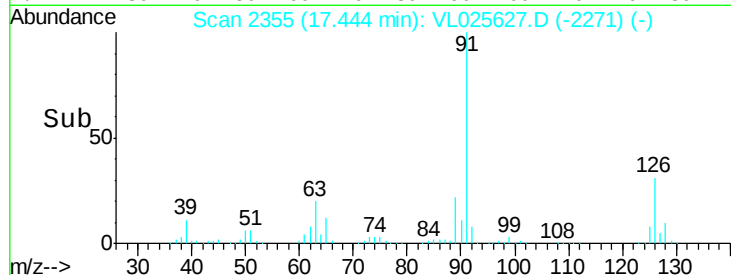
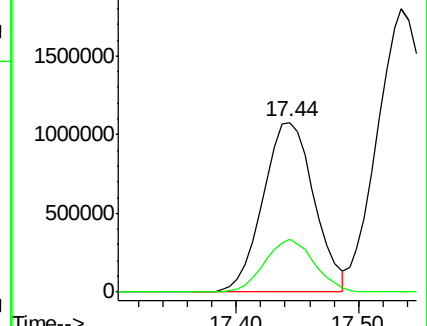
sam

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.44 ppbv

RT: 17.83 min Scan# 2419

Delta R.T. 0.01 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Tgt Ion: 105 Resp: 3622587

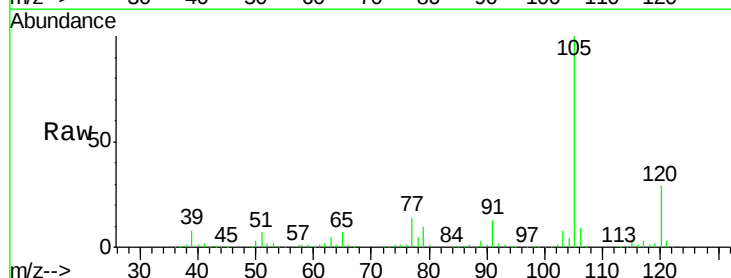
Ion Ratio Lower Upper

105 100

120 29.9 23.9 35.9

91 13.4 10.3 15.5

77 14.0 10.9 16.3

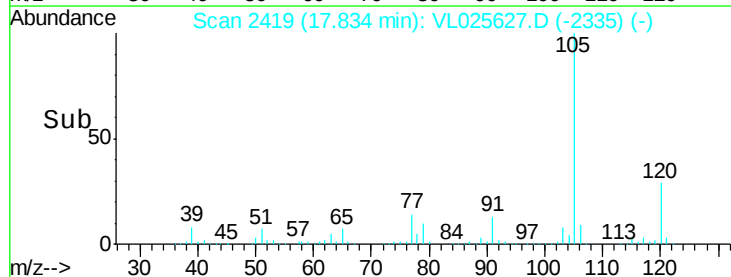
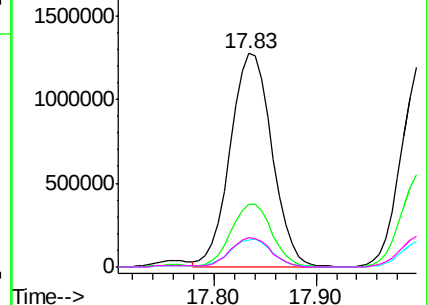


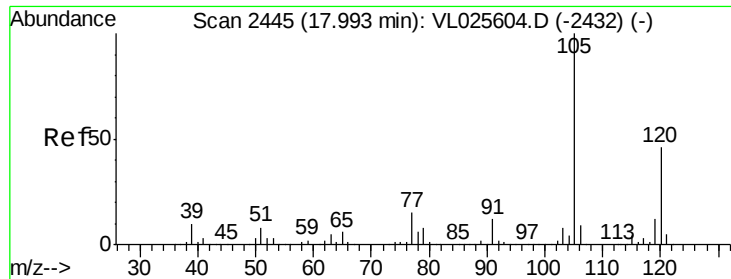
Abundance Ion 105.10 (104.80 to 105.80): V

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





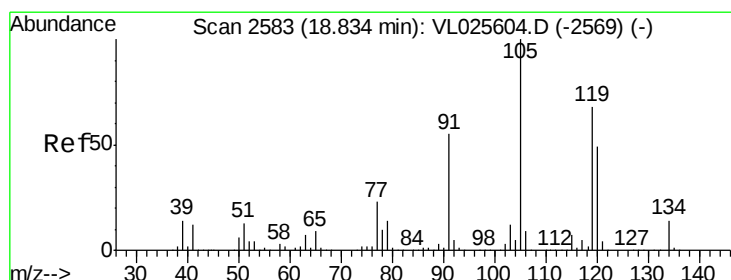
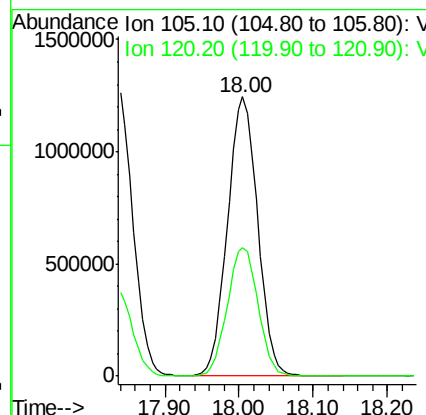
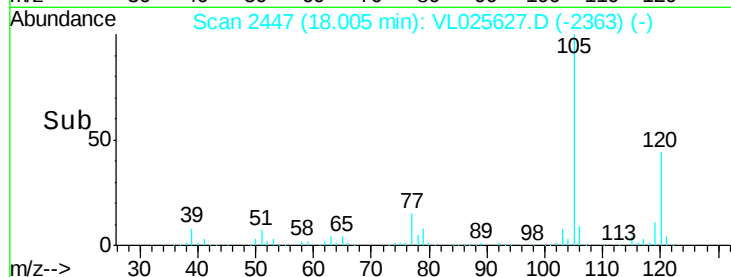
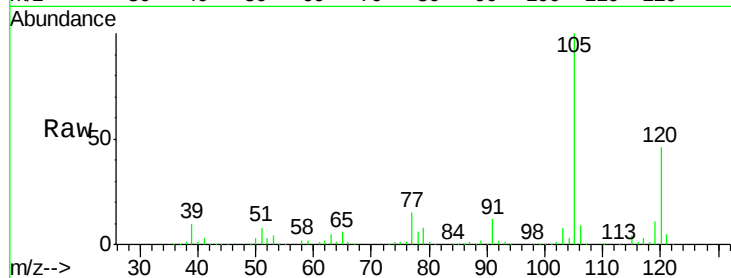
#73
 1,3,5-Trimethylbenzene
 Concen: 9.32 ppbv
 RT: 18.00 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3515515
 Ion Ratio Lower Upper
 105 100
 120 46.3 37.0 55.4

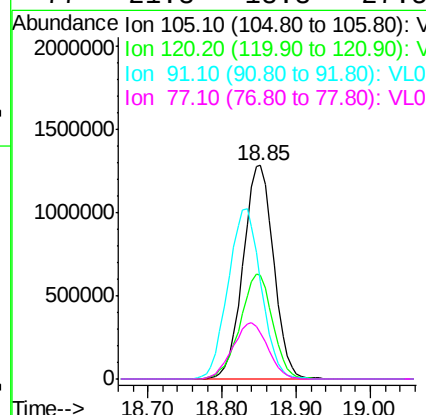
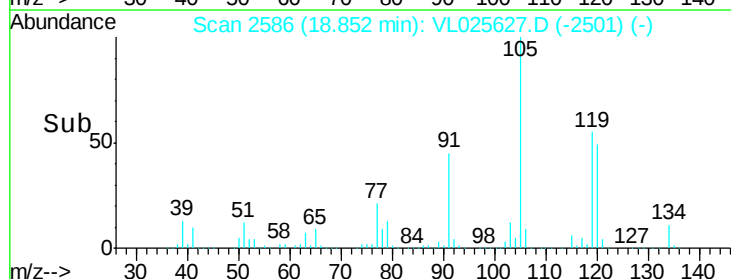
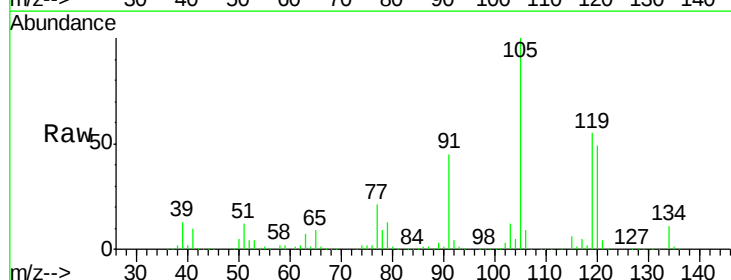
Manual Integrations
 APPROVED

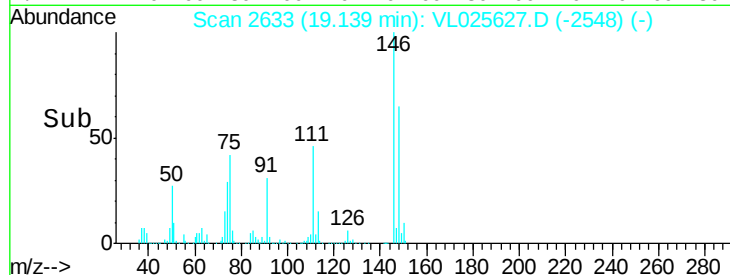
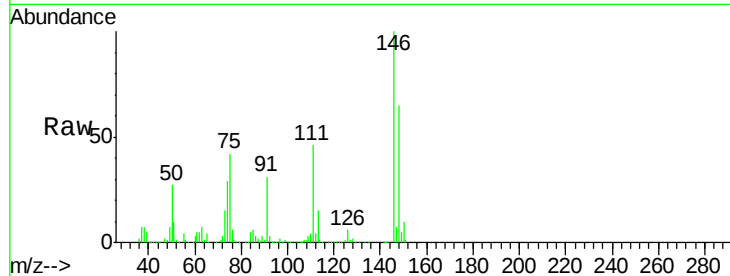
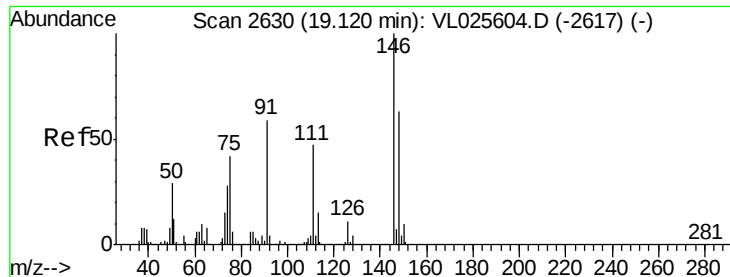
sam
 7/8/2015 11:04:56 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.74 ppbv
 RT: 18.85 min Scan# 2586
 Delta R.T. 0.02 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion:105 Resp: 3691887
 Ion Ratio Lower Upper
 105 100
 120 48.6 39.3 58.9
 91 45.3 43.8 65.6
 77 21.3 18.3 27.5





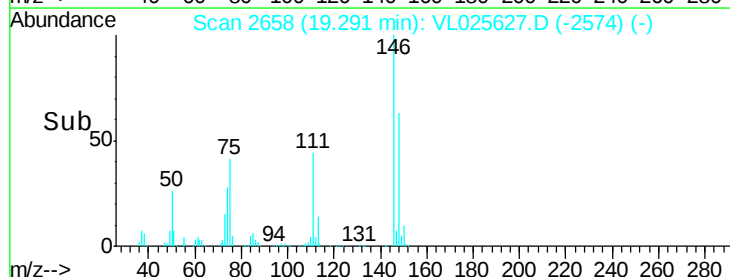
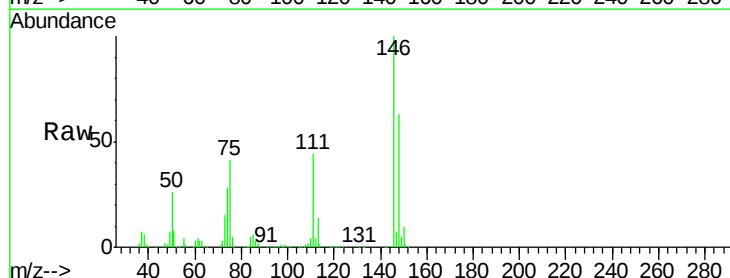
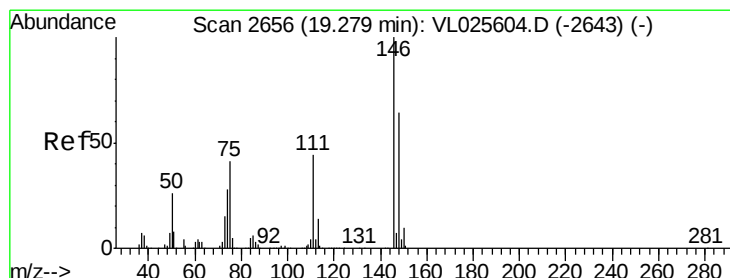
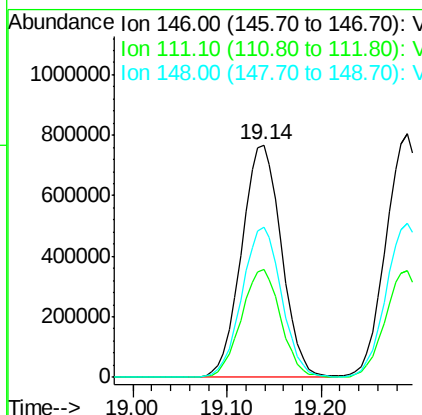
#75
 1,3-Dichlorobenzene
 Concen: 8.26 ppbv
 RT: 19.14 min Scan# 2633
 Delta R.T. 0.02 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tot Ion:146 Resp: 2272115
 Ion Ratio Lower Upper
 146 100
 111 45.9 22.7 68.1
 148 64.1 31.8 95.3

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

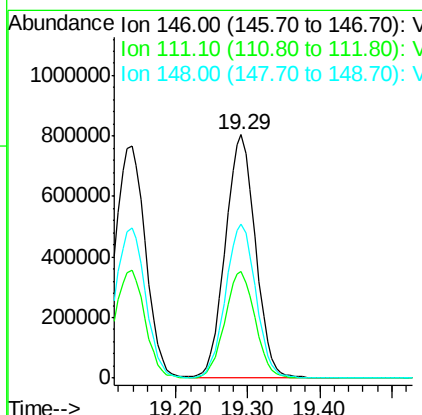
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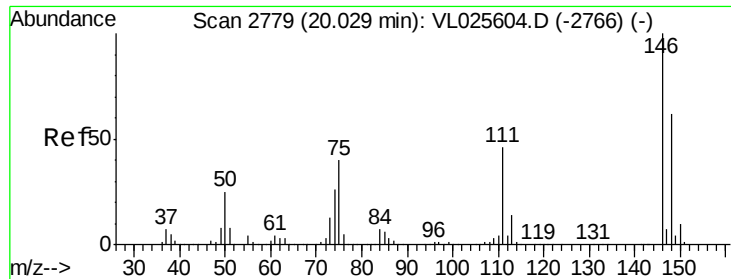
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#76
 1,4-Dichlorobenzene
 Concen: 8.48 ppbv
 RT: 19.29 min Scan# 2658
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion:146 Resp: 2338779
 Ion Ratio Lower Upper
 146 100
 111 43.8 22.1 66.1
 148 63.9 31.9 95.9





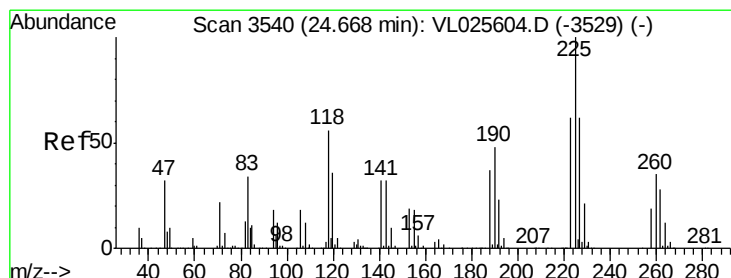
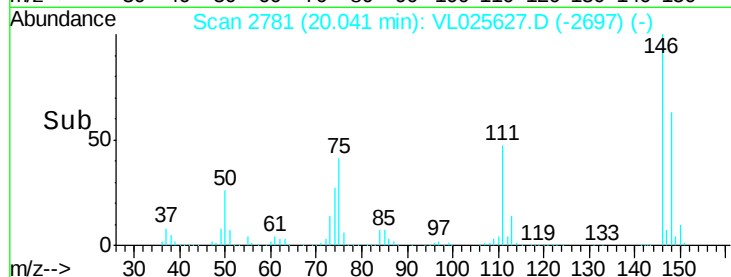
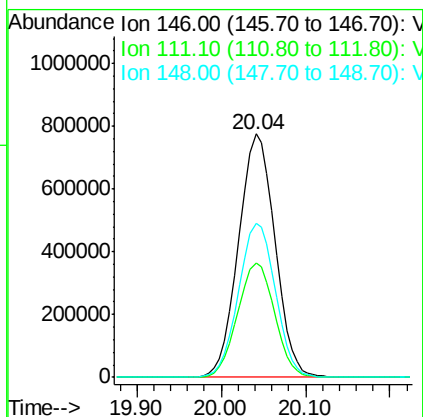
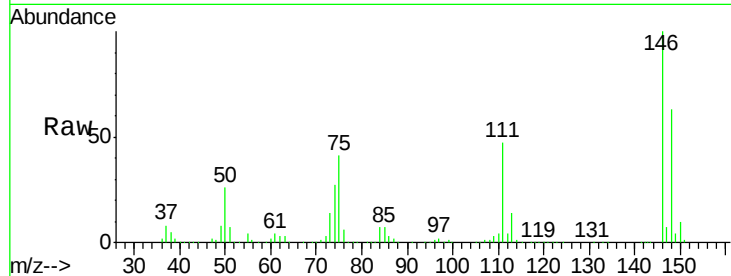
#77
 1,2-Dichlorobenzene
 Concen: 8.35 ppbv
 RT: 20.04 min Scan# 2781
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.4	70.3
148	64.1	31.6	94.8

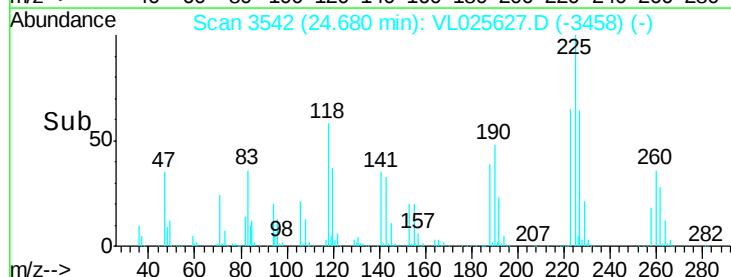
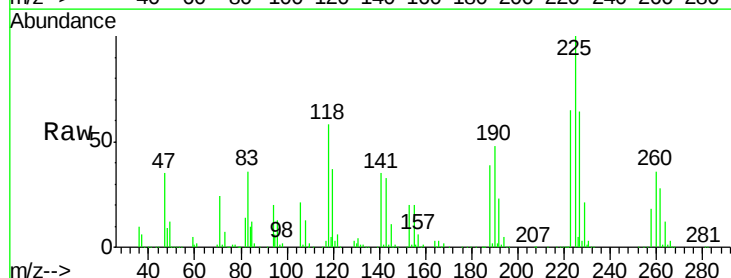
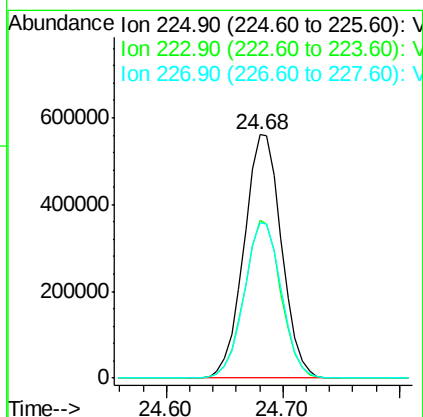
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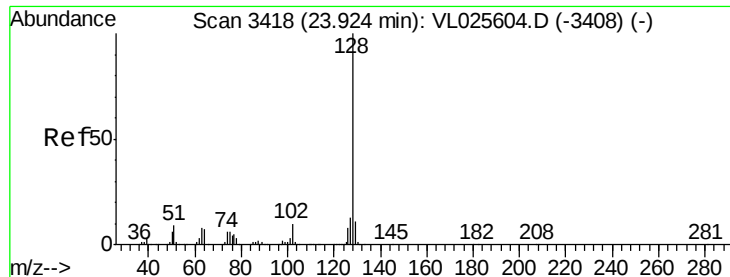
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.50 ppbv
 RT: 24.68 min Scan# 3542
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	63.5	50.5	75.7





#79

Naphthalene

Concen: 7.77 ppbv

RT: 23.94 min Scan# 3421

Delta R.T. 0.02 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3173233

Ion Ratio Lower Upper

128 100

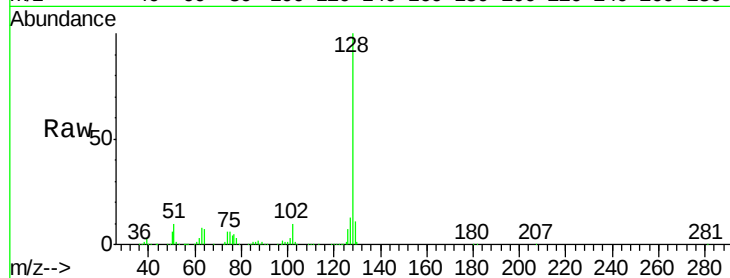
127 13.1 10.8 16.2

129 11.0 9.0 13.4

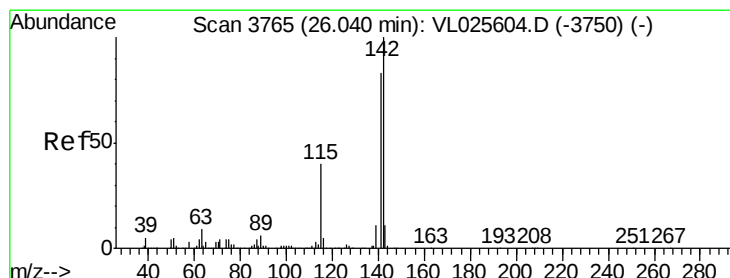
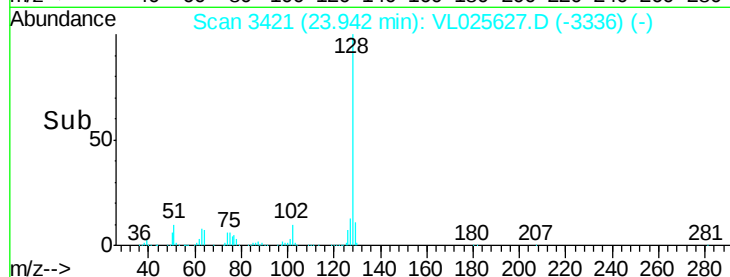
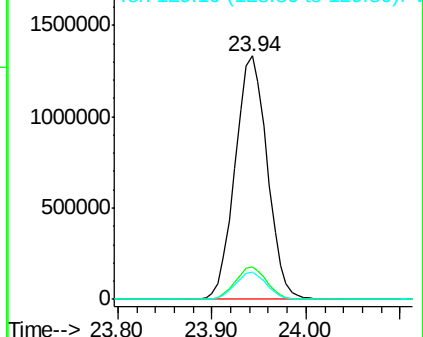
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 5.06 ppbv

RT: 26.06 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VL025627.D

Acq: 8 Jul 2015 3:54

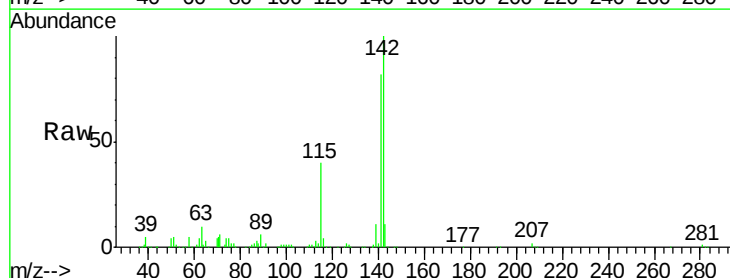
Tgt Ion:142 Resp: 600251

Ion Ratio Lower Upper

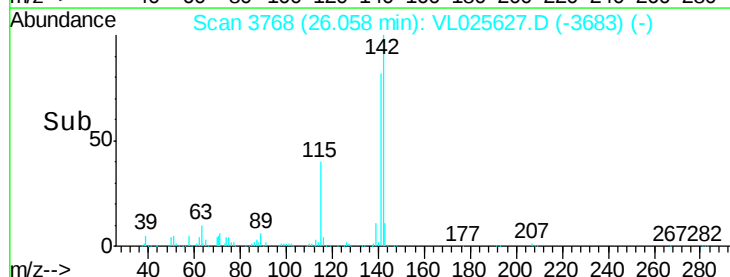
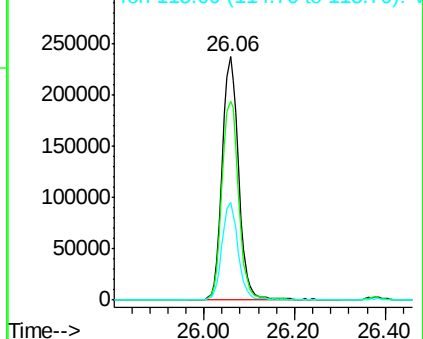
142 100

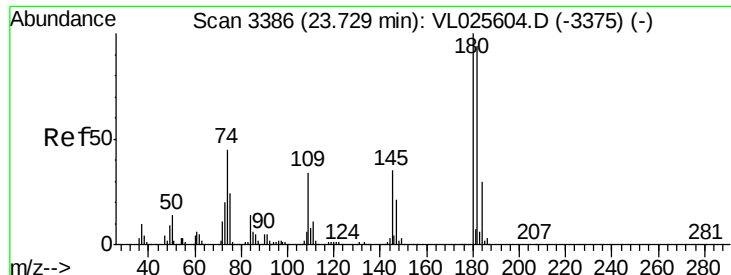
141 83.1 67.1 100.7

115 39.9 33.9 50.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.29 ppbv
 RT: 23.74 min Scan# 3388
 Delta R.T. 0.01 min
 Lab File: VL025627.D
 Acq: 8 Jul 2015 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	30.7	24.4	36.6

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