

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025809.D
 Acq On : 31 Jul 2015 12:00
 Operator : SY/MD
 Sample : VL0731ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Manual Integrations
 APPROVED

sam
 8/4/2015 12:05:04 PM

Quant Time: Aug 04 12:14:11 2015

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 0

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	623410	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.35	114	1706988	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.77	117	1986327m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	1877314	11.20	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.65	85	1690779	10.47	ppbv	99
3) Chlorodifluoromethane	3.58	51	766248	8.72	ppbv	99
4) Chloromethane	3.76	50	340561	8.50	ppbv	100
5) Vinyl Chloride	3.90	62	396662	9.17	ppbv	99
6) Bromomethane	4.15	94	313964	8.94	ppbv	97
7) Chloroethane	4.25	64	179121	8.89	ppbv	94
8) Dichlorotetrafluoroethane	3.82	85	1245217	8.79	ppbv	99
9) Propene	3.61	41	250555	8.58	ppbv	98
10) Heptane	9.37	43	1035134	9.11	ppbv	96
11) Trichlorofluoromethane	4.71	101	1884679	9.00	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.32	101	1066530	8.88	ppbv	100
13) Ethanol	4.35	45	45270	9.98	ppbv	99
14) Bromoethene	4.46	108	365576	9.28	ppbv	98
15) Acetone	4.61	43	907079	8.24	ppbv	99
16) 1,3-Butadiene	3.98	39	390780	8.91	ppbv	98
17) tert-Butyl alcohol	5.14	59	867212	9.38	ppbv	100
18) 1,1-Dichloroethene	5.10	96	418908	9.11	ppbv	98
19) Isopropyl Alcohol	4.76	45	434717	9.89	ppbv #	99
20) Methylene Chloride	5.17	84	383013	8.56	ppbv	96
21) Allyl Chloride	5.24	41	607874	8.82	ppbv	97
22) trans-1,2-Dichloroethene	5.78	96	420949	8.96	ppbv	97
23) Vinyl Acetate	6.00	43	1551675	9.30	ppbv	100
24) 1,1-Dichloroethane	5.93	63	976198	8.73	ppbv	99
25) Ethyl Acetate	6.68	43	1508120	9.05	ppbv	100
26) Hexane	6.68	57	696077	8.87	ppbv	98
27) Carbon Disulfide	5.40	76	1200104	9.44	ppbv	100
28) Methyl tert-Butyl Ether	5.97	73	1466061	9.40	ppbv	99
29) Chloroform	6.77	83	1357951	8.76	ppbv	99
30) Cyclohexane	8.30	84	692968	9.24	ppbv	99
31) cis-1,2-Dichloroethene	6.54	61	744169	9.54	ppbv	99
32) 1,1,1-Trichloroethane	7.62	97	1537058	9.13	ppbv	100
34) 2-Butanone	6.21	43	896234	9.25	ppbv	100
35) Carbon Tetrachloride	8.18	117	1641977	9.03	ppbv	98
36) Benzene	8.04	78	1521930	9.31	ppbv	100
37) 1,2-Dichloroethane	7.39	62	1254639	8.99	ppbv	100
38) Trichloroethene	9.09	130	705745	9.28	ppbv	96
39) 1,2-Dichloropropane	8.85	63	528660	8.76	ppbv	97
40) 1,4-Dioxane	9.13	88	144612	15.27	ppbv	85
41) Tetrahydrofuran	7.13	42	464836	9.61	ppbv	99
42) Bromodichloromethane	9.04	83	1584395	9.41	ppbv	100
43) Methyl Methacrylate	9.29	69	635378	10.13	ppbv	99

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
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sam
 8/4/2015 12:05:04 PM

Quant Time: Aug 04 12:14:11 2015

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M

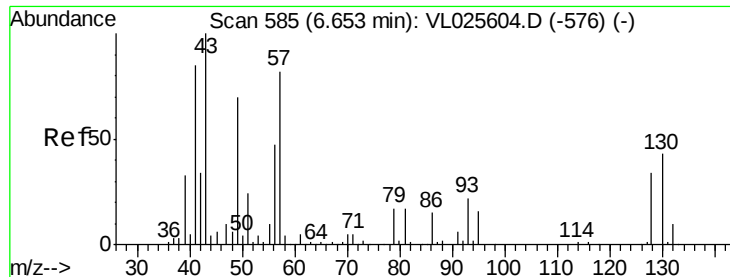
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08

QLast Update : Wed Jul 08 02:22:55 2015

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	2590088	9.24	ppbv	99
45) t-1,3-Dichloropropene	10.67	75	1096302	10.39	ppbv	99
46) cis-1,3-Dichloropropene	10.04	75	1193386	10.23	ppbv	100
47) 1,1,2-Trichloroethane	10.90	97	752078	8.95	ppbv	98
48) Dibromochloromethane	11.82	129	1411959	9.39	ppbv	99
49) Bromoform	14.84	173	1152668	9.30	ppbv	98
50) 4-Methyl-2-Pentanone	10.11	43	1370436	9.82	ppbv	100
51) 2-Hexanone	11.63	43	1295783	10.35	ppbv #	100
52) Tetrachloroethene	12.82	164	765764	9.34	ppbv	99
53) Toluene	11.26	91	2209683	9.62	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1238545	9.11	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.81	131	1046042	9.74	ppbv	99
57) Chlorobenzene	13.83	112	1984267	9.39	ppbv	99
58) Ethyl Benzene	14.44	91	3459197	10.54	ppbv	99
59) m/p-Xylene	14.74	91	5724704m	19.86	ppbv	
60) o-Xylene	15.52	91	3069008	9.89	ppbv	99
61) Styrene	15.33	104	1286191	11.83	ppbv	99
62) Isopropylbenzene	16.57	105	4024765	9.92	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1918809	9.14	ppbv	100
64) n-propylbenzene	17.55	120	1067736	9.73	ppbv	97
65) tert-Butylbenzene	18.84	119	3759720	9.44	ppbv	99
66) Benzyl Chloride	19.13	91	1423689	9.74	ppbv	100
67) sec-Butylbenzene	19.44	105	5315574	9.52	ppbv	100
69) p-Isopropyltoluene	19.82	119	4376234	9.51	ppbv	99
70) n-Butylbenzene	20.78	91	4286652	9.19	ppbv	99
71) 2-Chlorotoluene	17.45	91	3072668	10.32	ppbv	99
72) 4-Ethyltoluene	17.85	105	3470482	10.11	ppbv	99
73) 1,3,5-Trimethylbenzene	18.01	105	3340046	9.90	ppbv	99
74) 1,2,4-Trimethylbenzene	18.86	105	3500099	9.26	ppbv	96
75) 1,3-Dichlorobenzene	19.14	146	2167042	8.81	ppbv	99
76) 1,4-Dichlorobenzene	19.30	146	2220530	9.01	ppbv	100
77) 1,2-Dichlorobenzene	20.05	146	2181953	8.94	ppbv	100
78) Hexachloro-1,3-Butadiene	24.69	225	1047102	6.97	ppbv	100
79) Naphthalene	23.95	128	2662375	7.29	ppbv	99
80) Naphthalene,2-methyl-	26.06	142	664964	6.27	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	1263644	7.22	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 588

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 49 Resp: 623410
Ion Ratio Lower Upper

49 100

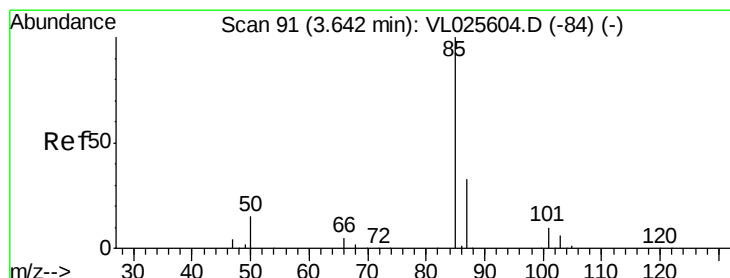
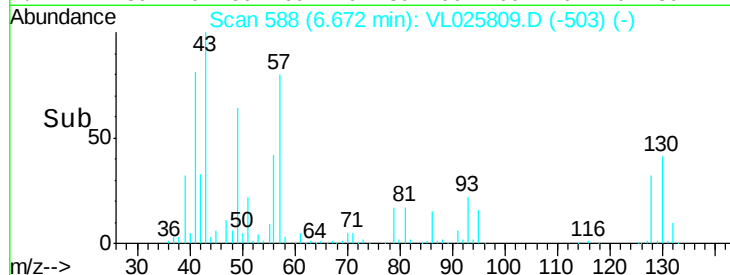
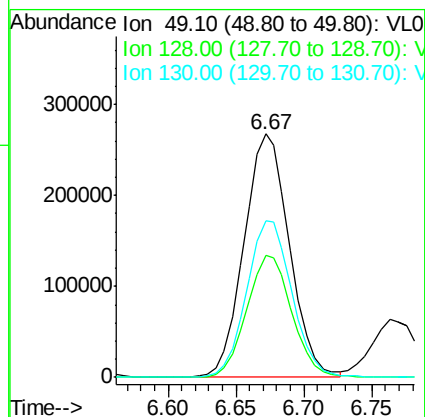
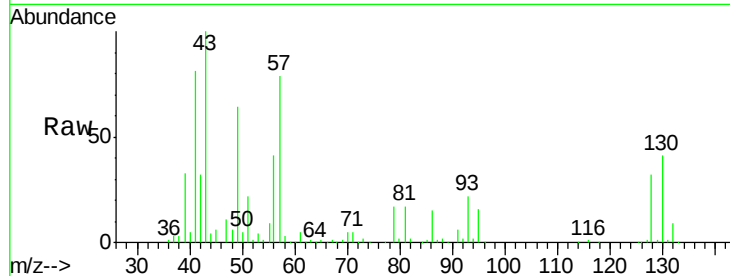
128 50.3 25.4 76.0

130 64.6 31.9 95.9

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#2

Dichlorodifluoromethane

Concen: 10.47 ppbv

RT: 3.65 min Scan# 93

Delta R.T. 0.01 min

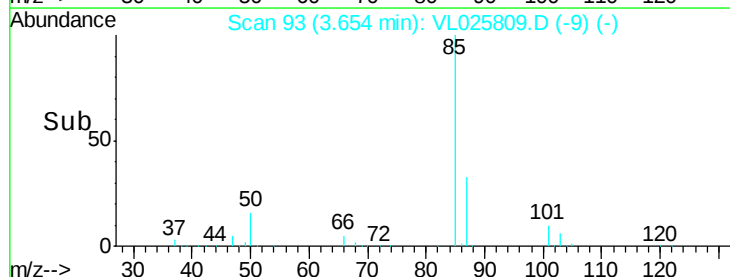
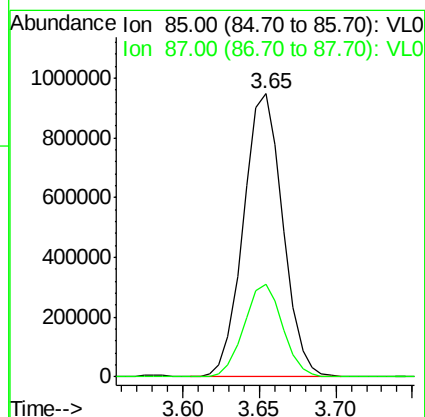
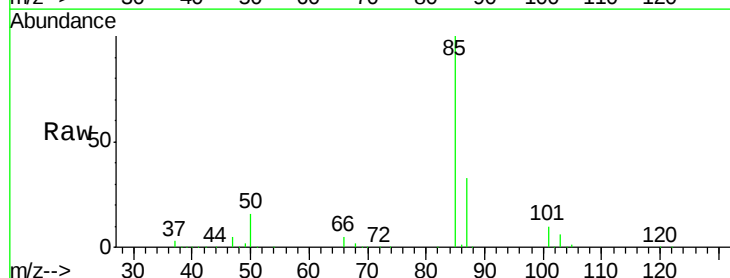
Lab File: VL025809.D

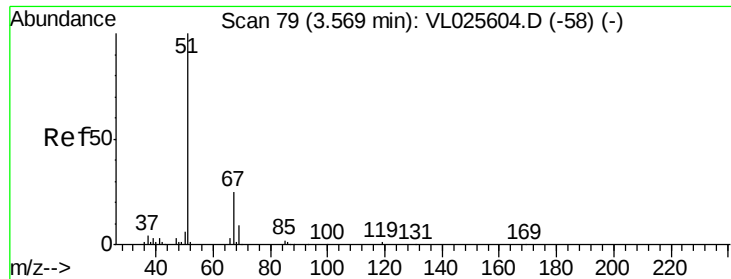
Acq: 31 Jul 2015 12:00

Tgt Ion: 85 Resp: 1690779
Ion Ratio Lower Upper

85 100

87 32.6 26.5 39.7





#3

Chlorodifluoromethane

Concen: 8.72 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 51 Resp: 766248

Ion Ratio Lower Upper

51 100

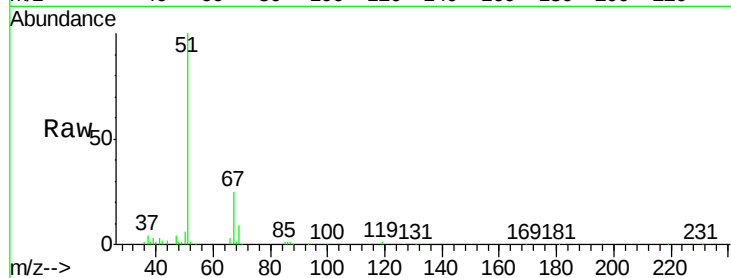
67 24.9 19.5 29.3

Manual Integrations

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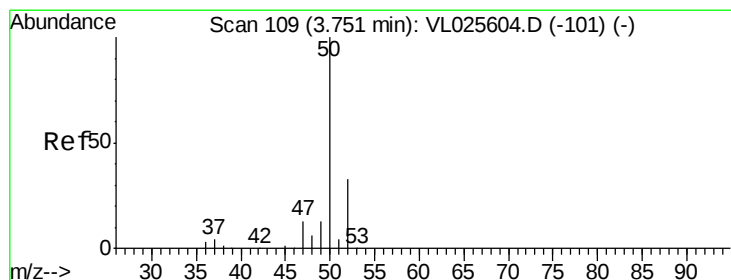
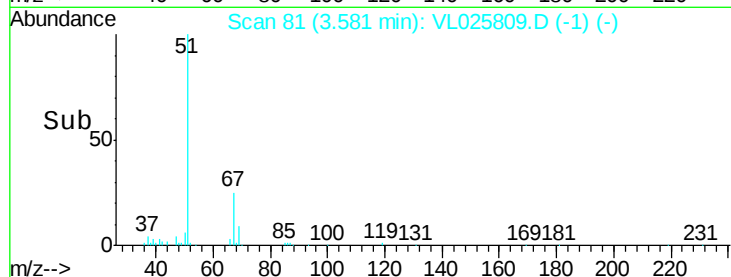
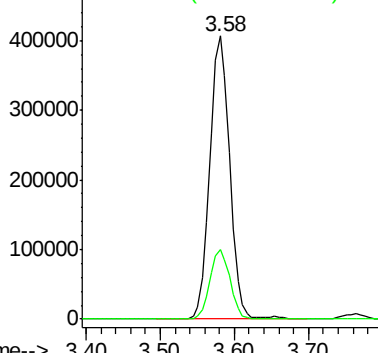
sam

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.50 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL025809.D

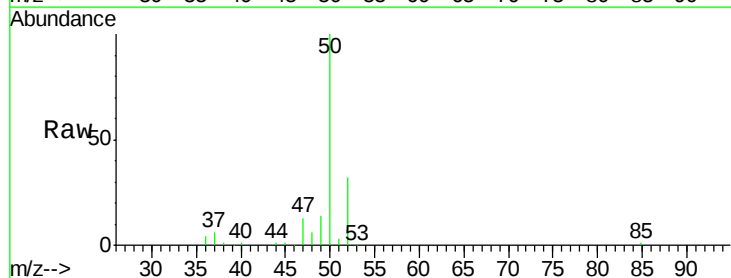
Acq: 31 Jul 2015 12:00

Tgt Ion: 50 Resp: 340561

Ion Ratio Lower Upper

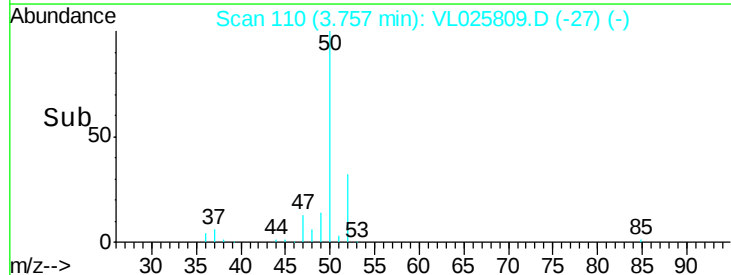
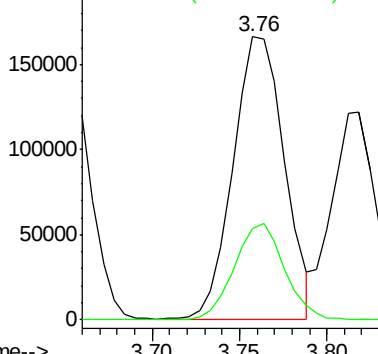
50 100

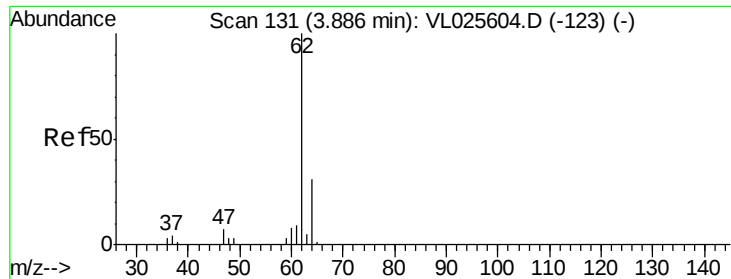
52 32.6 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.17 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 62 Resp: 396662

Ion Ratio Lower Upper

62 100

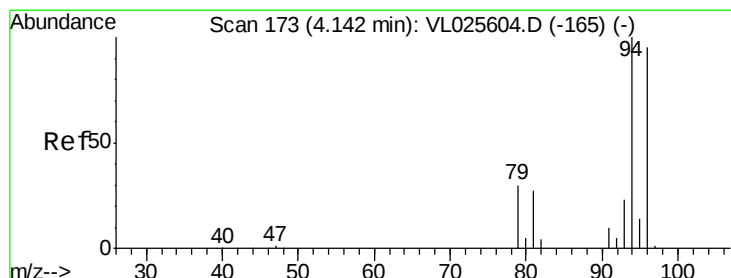
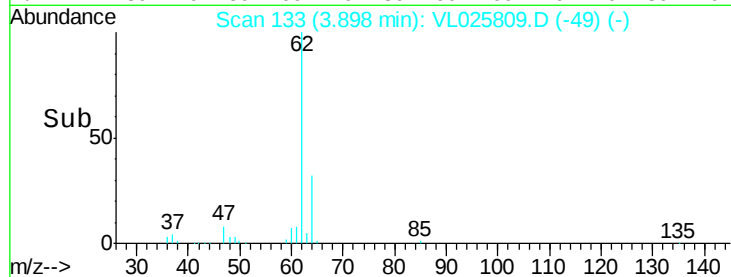
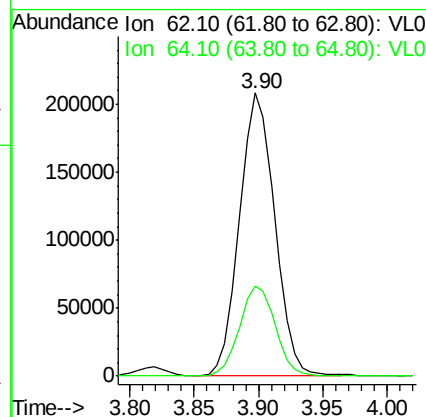
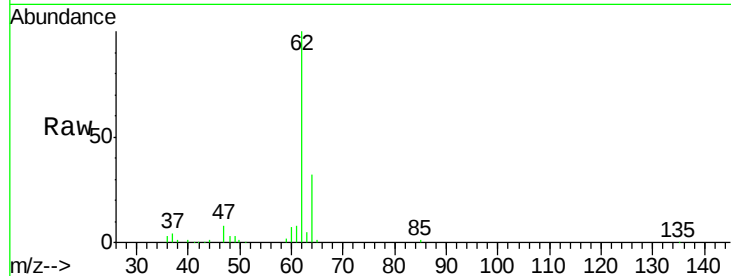
64 31.9 25.0 37.6

Manual Integrations

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#6

Bromomethane

Concen: 8.94 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL025809.D

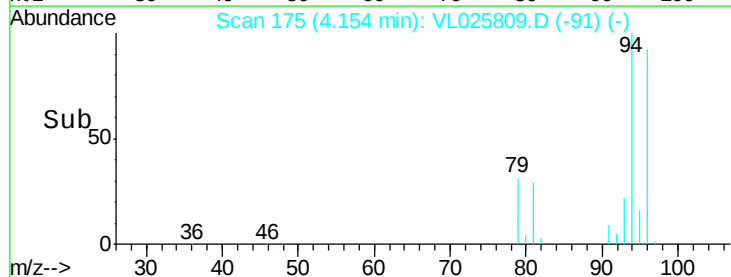
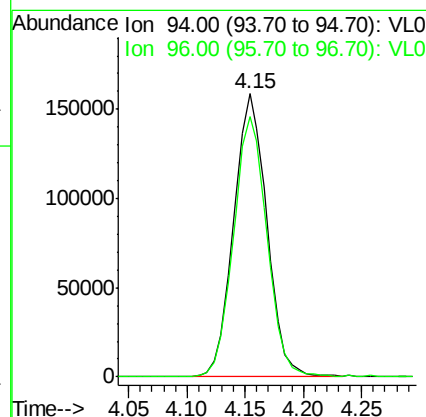
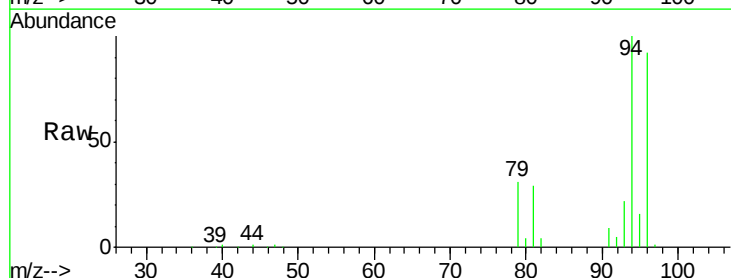
Acq: 31 Jul 2015 12:00

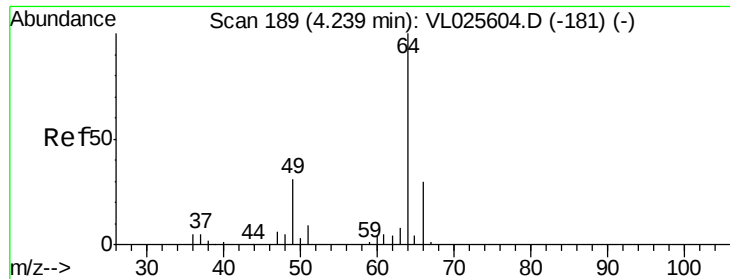
Tgt Ion: 94 Resp: 313964

Ion Ratio Lower Upper

94 100

96 91.9 75.9 113.9





#7

Chloroethane

Concen: 8.89 ppbv

RT: 4.25 min Scan# 191

Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 64 Resp: 179121

Ion Ratio Lower Upper

64 100

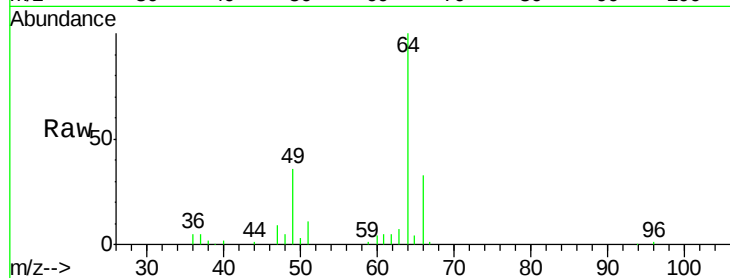
66 33.2 23.8 35.8

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

4.25

100000

80000

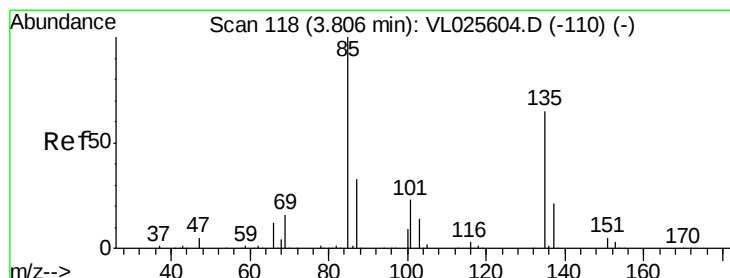
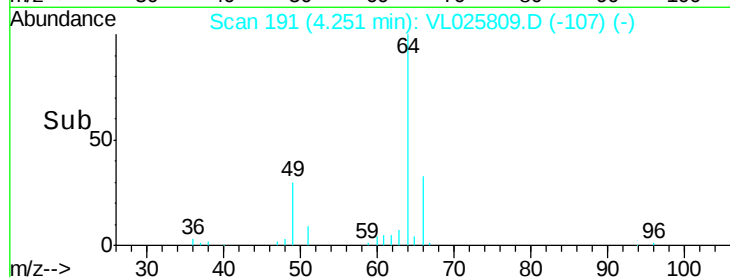
60000

40000

20000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.79 ppbv

RT: 3.82 min Scan# 120

Delta R.T. 0.01 min

Lab File: VL025809.D

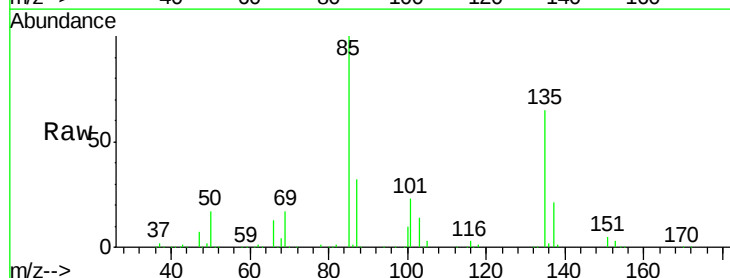
Acq: 31 Jul 2015 12:00

Tgt Ion: 85 Resp: 1245217

Ion Ratio Lower Upper

85 100

135 64.6 52.2 78.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.82

800000

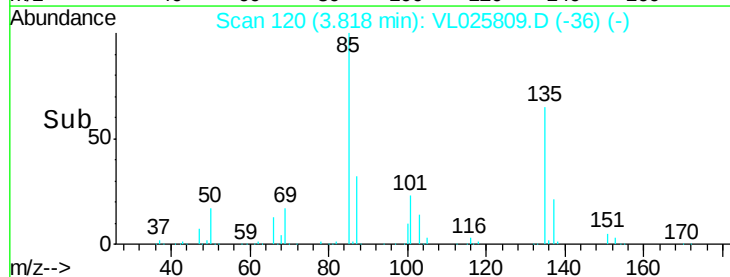
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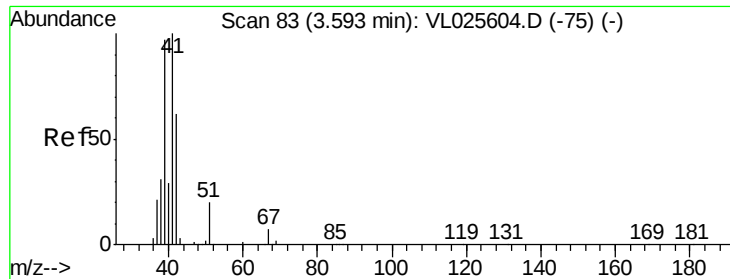
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200000

0

Time-->





#9

Propene

Concen: 8.58 ppbv

RT: 3.61 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 41 Resp: 250555

Ion Ratio Lower Upper

41 100

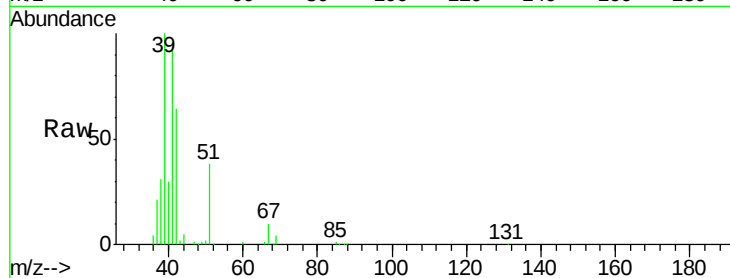
42 67.2 52.4 78.6

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

150000

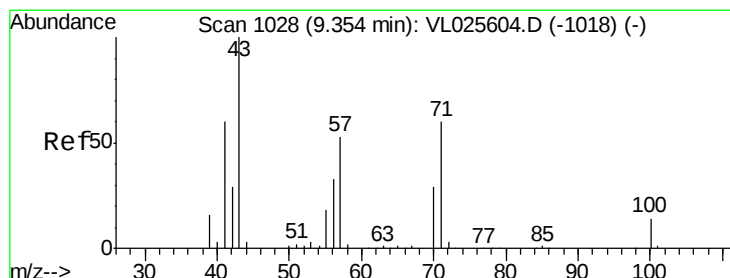
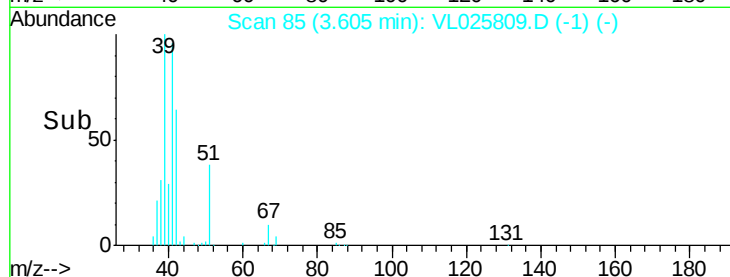
100000

50000

0

3.55 3.60 3.65 3.70

Time-->



#10

Heptane

Concen: 9.11 ppbv

RT: 9.37 min Scan# 1031

Delta R.T. 0.02 min

Lab File: VL025809.D

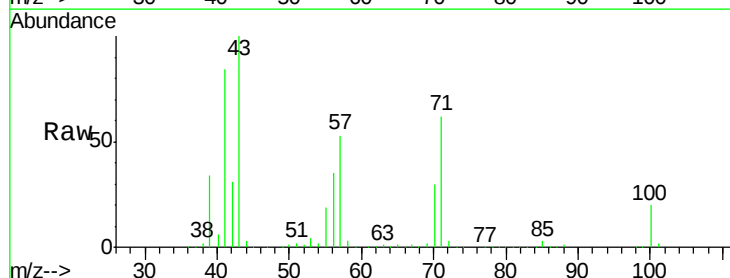
Acq: 31 Jul 2015 12:00

Tgt Ion: 43 Resp: 1035134

Ion Ratio Lower Upper

43 100

57 55.9 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

500000

400000

300000

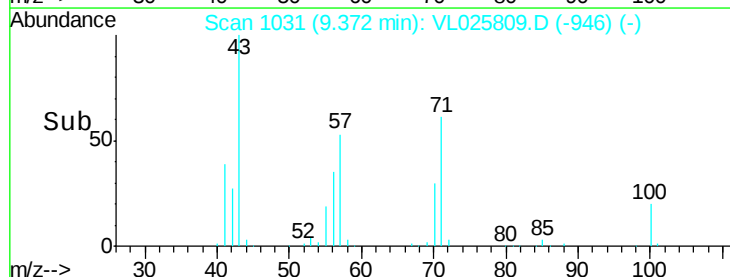
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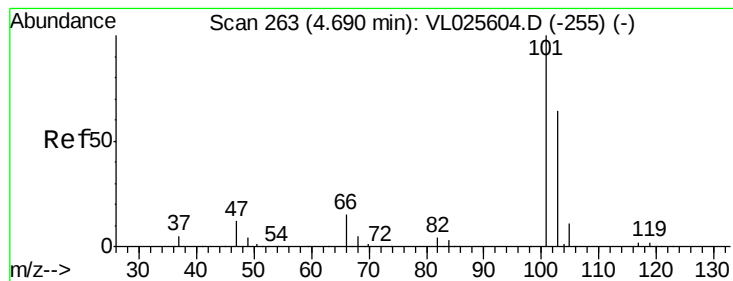
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0

9.30 9.40 9.50

Time-->





#11

Trichlorofluoromethane

Concen: 9.00 ppbv

RT: 4.71 min Scan# 266

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion:101 Resp: 1884679

Ion Ratio Lower Upper

101 100

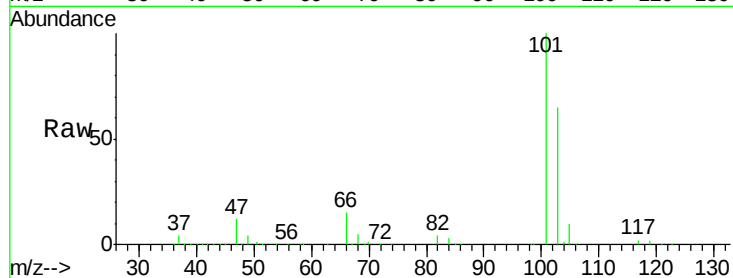
103 64.8 51.4 77.2

Manual Integrations

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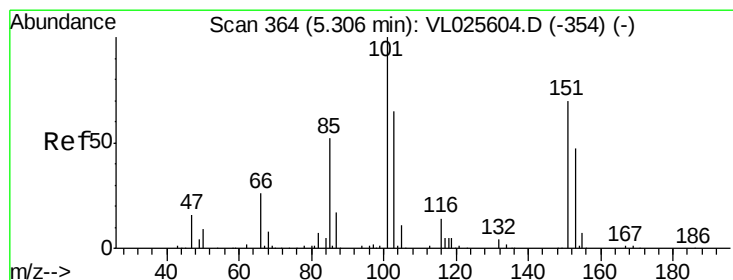
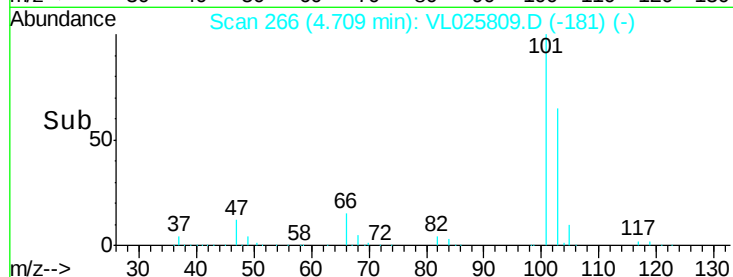
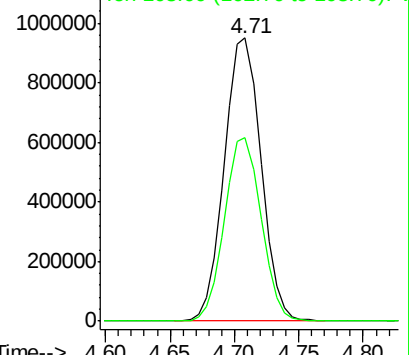
sam

8/4/2015 12:05:04 PM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.88 ppbv

RT: 5.32 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL025809.D

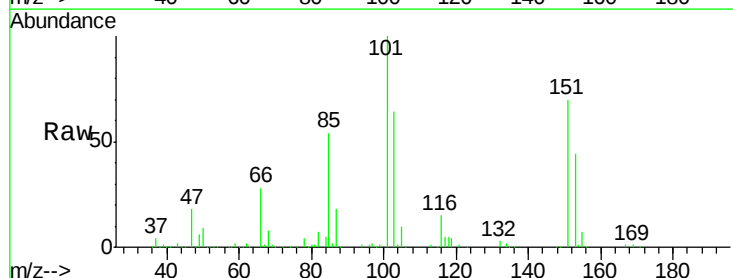
Acq: 31 Jul 2015 12:00

Tgt Ion:101 Resp: 1066530

Ion Ratio Lower Upper

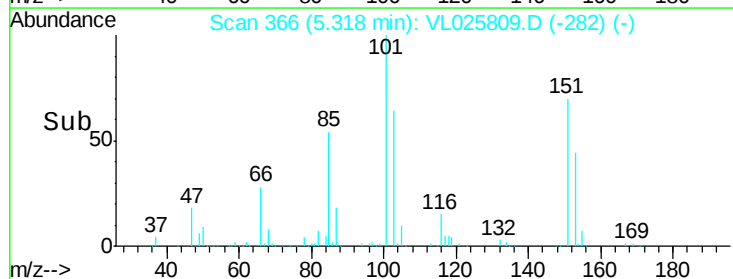
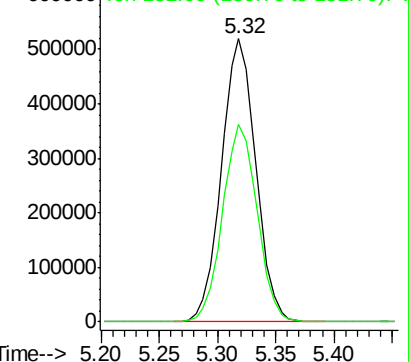
101 100

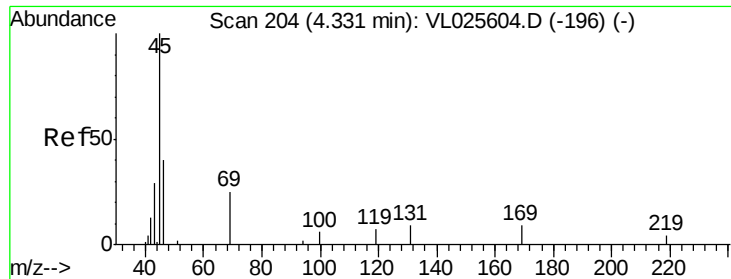
151 70.5 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.98 ppbv

RT: 4.35 min Scan# 207

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 45 Resp: 45270

Ion Ratio Lower Upper

45 100

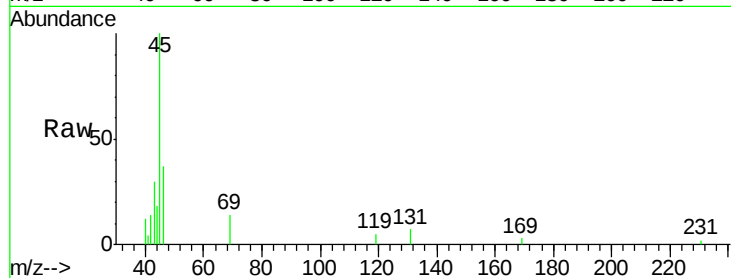
46 39.6 16.0 64.0

Manual Integrations

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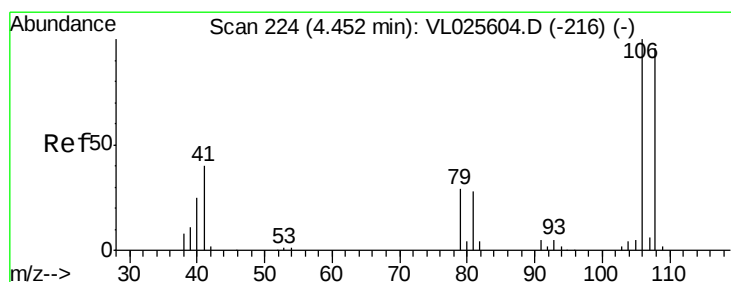
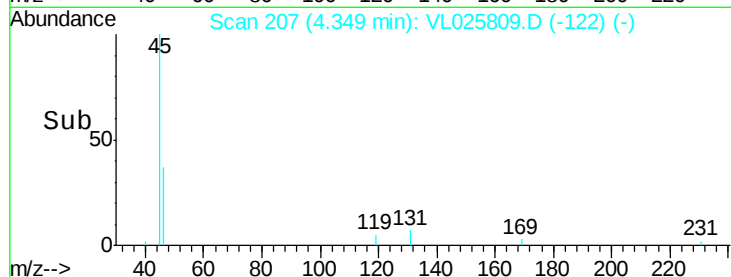
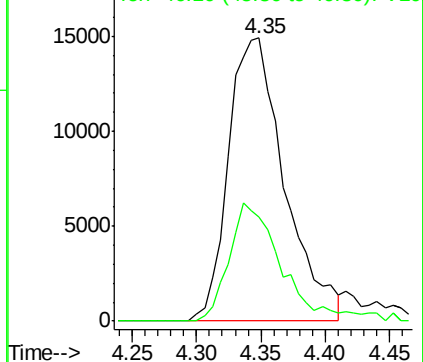
sam

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.28 ppbv

RT: 4.46 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

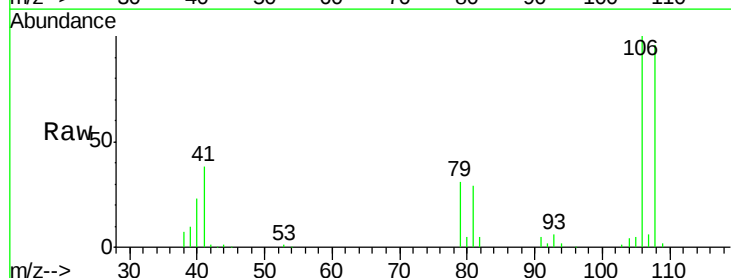
Tgt Ion: 108 Resp: 365576

Ion Ratio Lower Upper

108 100

106 105.2 85.7 128.5

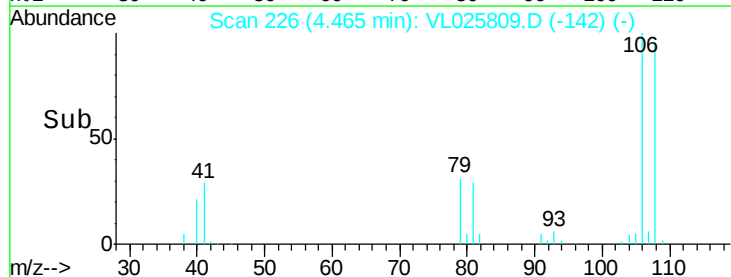
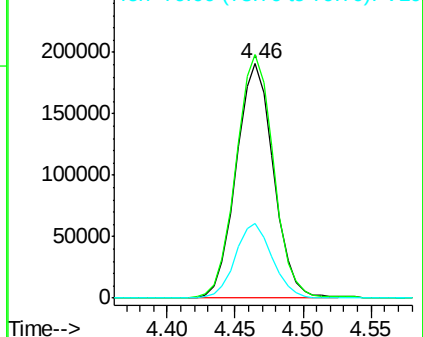
79 32.3 24.6 36.8

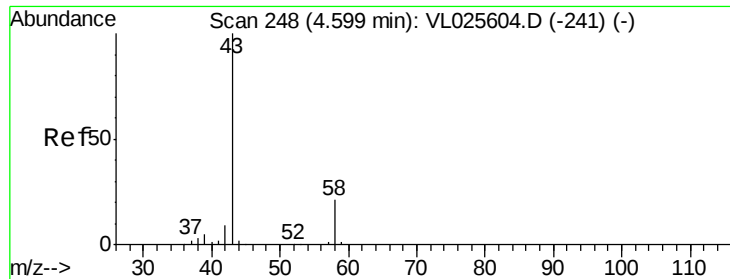


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.24 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 43 Resp: 907079

Ion Ratio Lower Upper

43 100

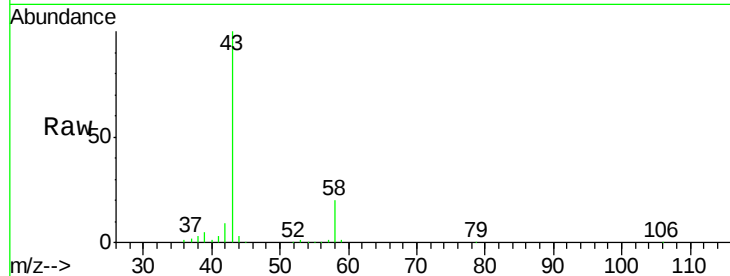
58 21.2 17.2 25.8

Manual Integrations

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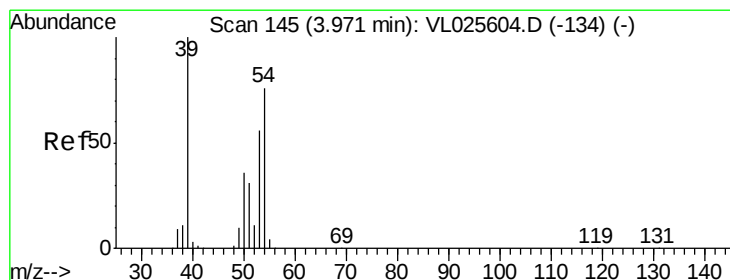
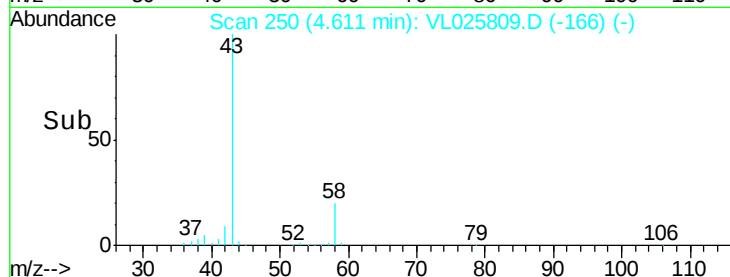
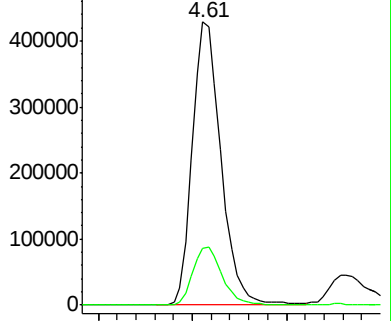
sam

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.91 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL025809.D

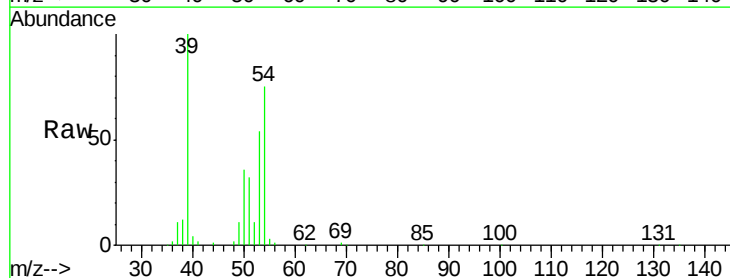
Acq: 31 Jul 2015 12:00

Tgt Ion: 39 Resp: 390780

Ion Ratio Lower Upper

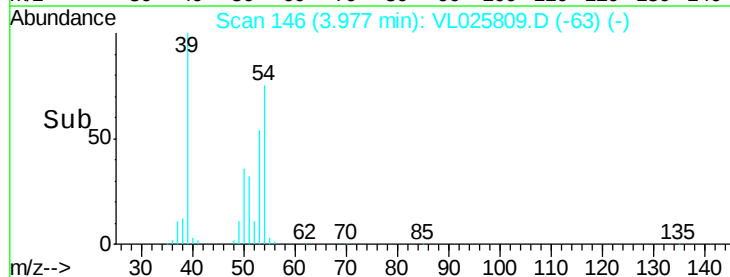
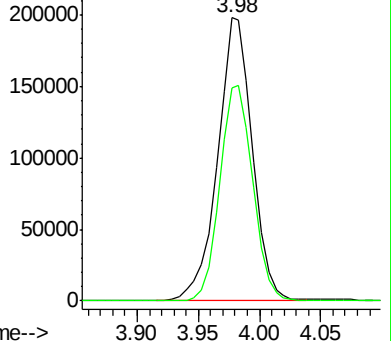
39 100

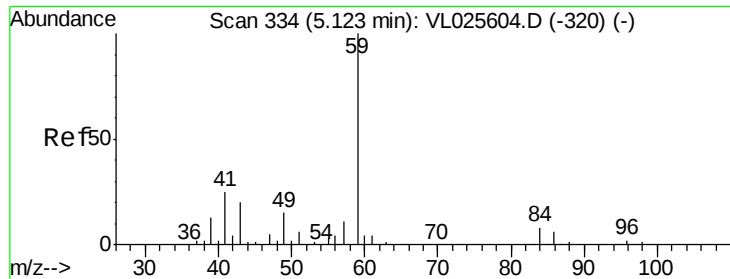
54 72.4 59.3 88.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





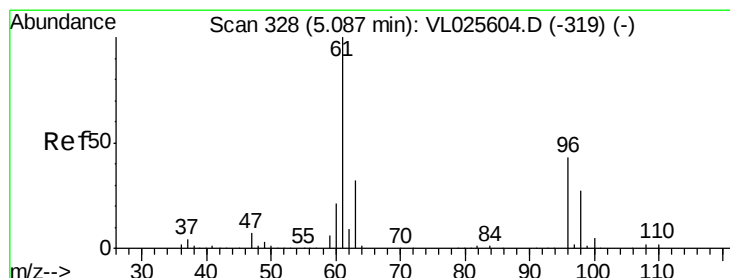
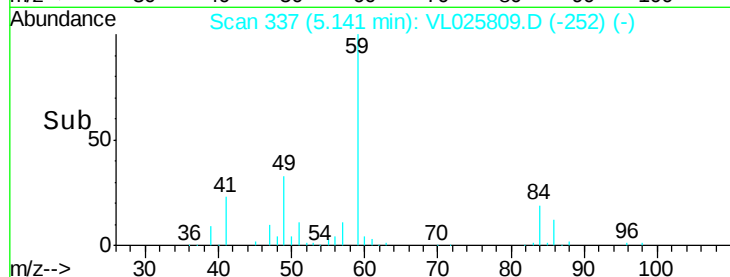
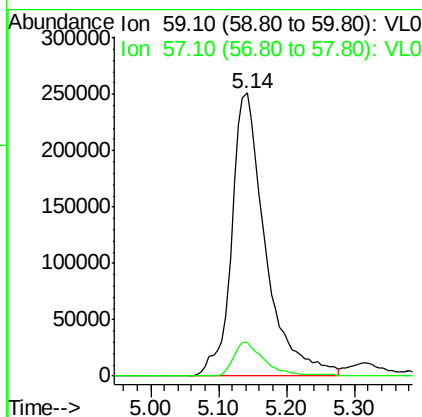
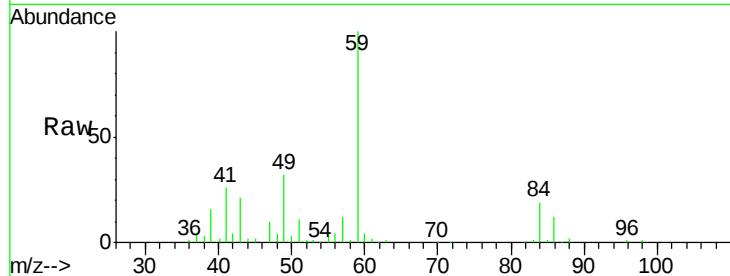
#17
 tert-Butyl alcohol
 Concen: 9.38 ppbv
 RT: 5.14 min Scan# 337
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion: 59 Resp: 867212
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.4 14.2

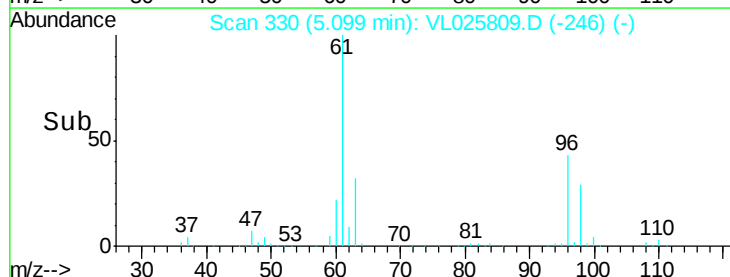
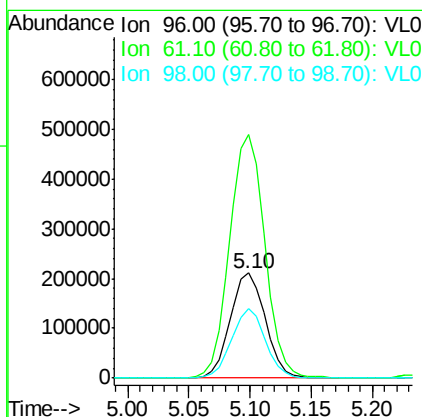
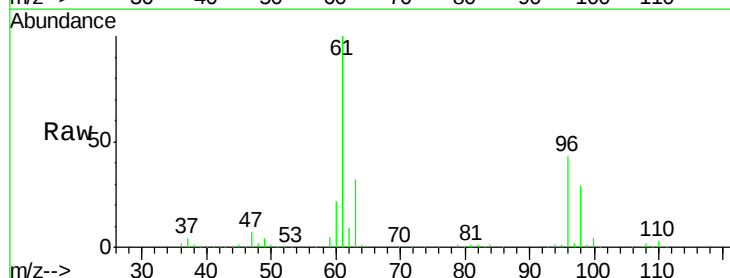
Manual Integrations
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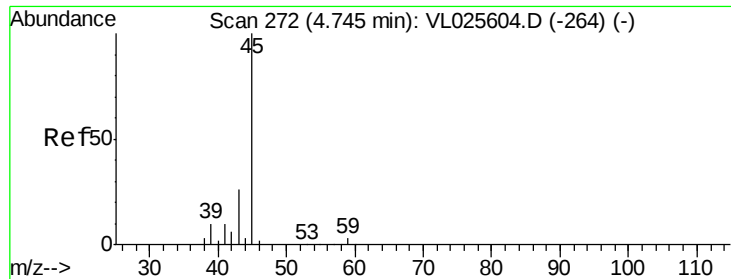
sam
 8/4/2015 12:05:04 PM



#18
 1,1-Dichloroethene
 Concen: 9.11 ppbv
 RT: 5.10 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion: 96 Resp: 418908
 Ion Ratio Lower Upper
 96 100
 61 231.4 184.1 276.1
 98 66.2 50.0 75.0





#19

Isopropyl Alcohol

Concen: 9.89 ppbv

RT: 4.76 min Scan# 275

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

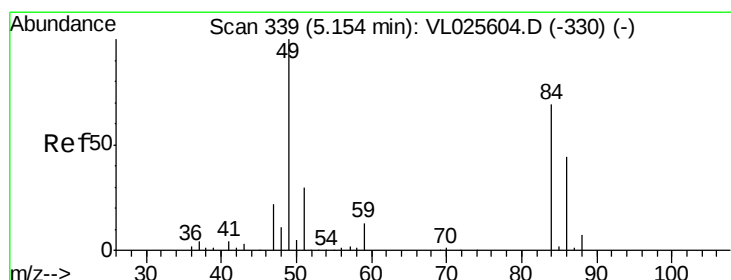
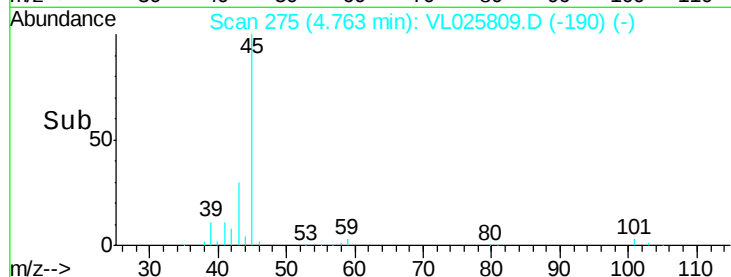
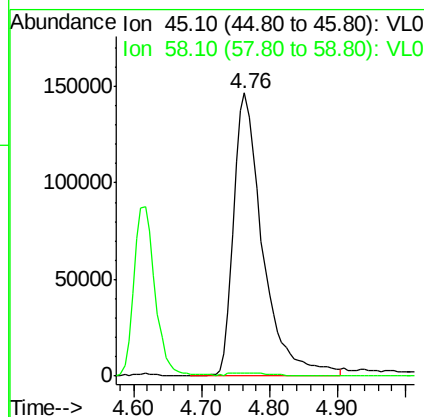
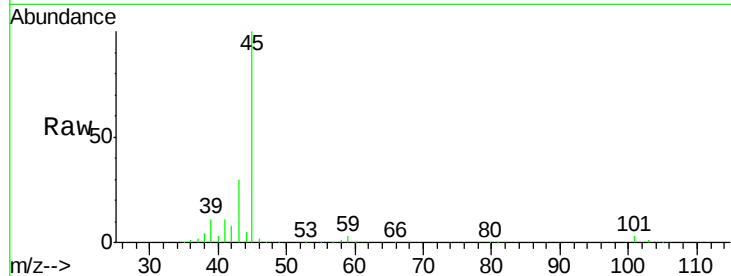
ClientSampleId :

VL0731ABS02

Tgt Ion: 45 Resp: 434717
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.1 1.7#

Manual Integrations
 APPROVED

sam
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#20

Methylene Chloride

Concen: 8.56 ppbv

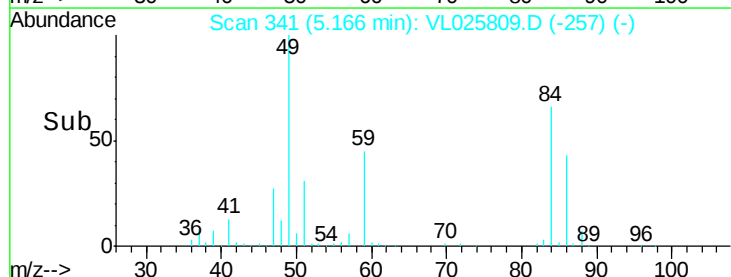
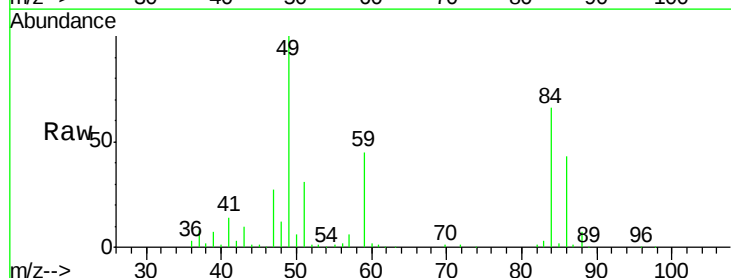
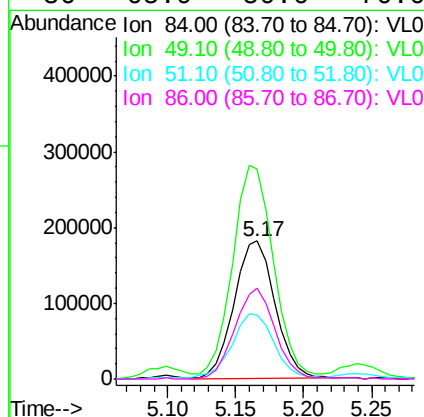
RT: 5.17 min Scan# 341

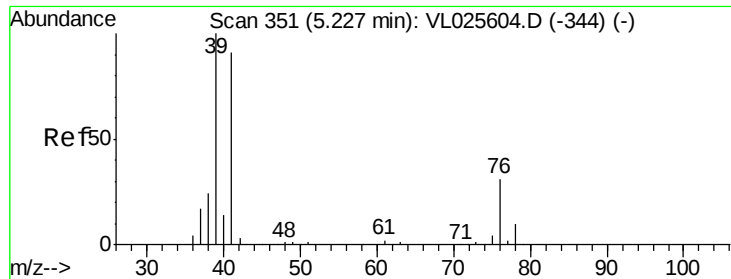
Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Tgt Ion: 84 Resp: 383013
 Ion Ratio Lower Upper
 84 100
 49 149.7 115.2 172.8
 51 45.6 35.0 52.6
 86 65.9 50.6 76.0





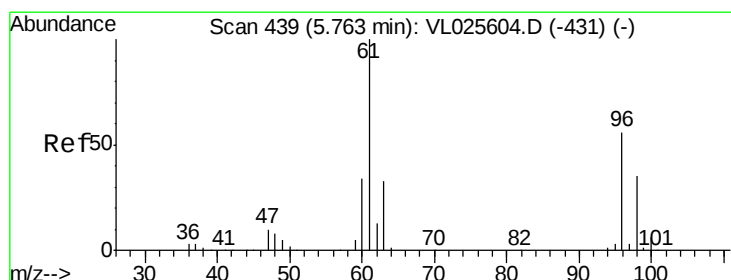
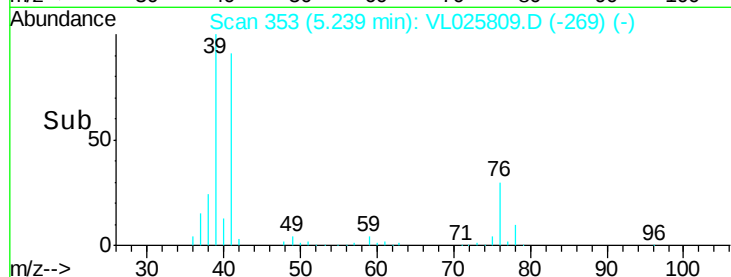
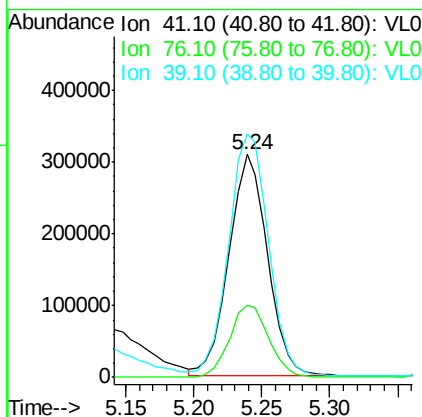
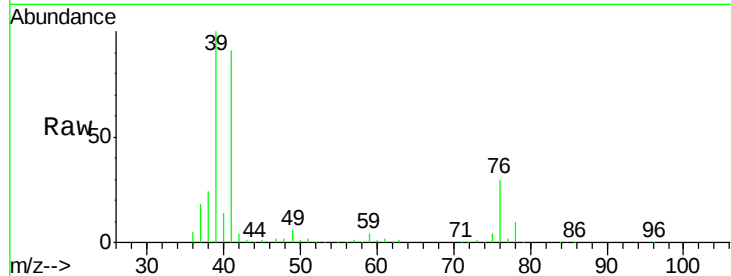
#21
 Allyl Chloride
 Concen: 8.82 ppbv
 RT: 5.24 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	607874		
76	33.4	26.6	40.0	
39	114.6	88.2	132.4	

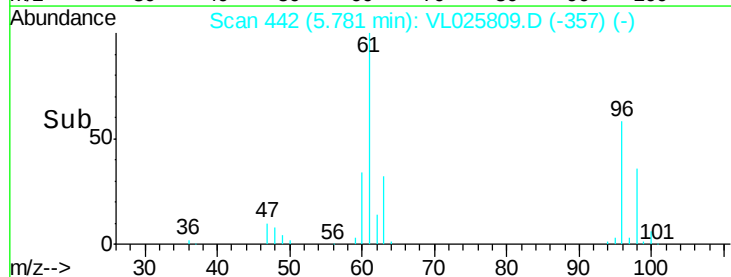
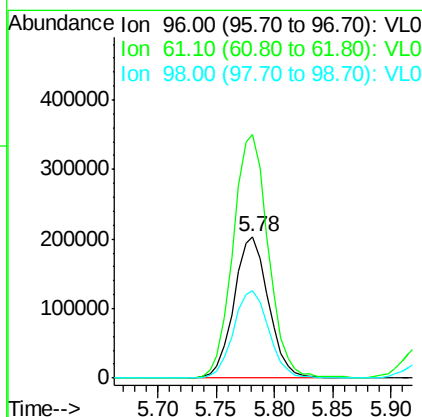
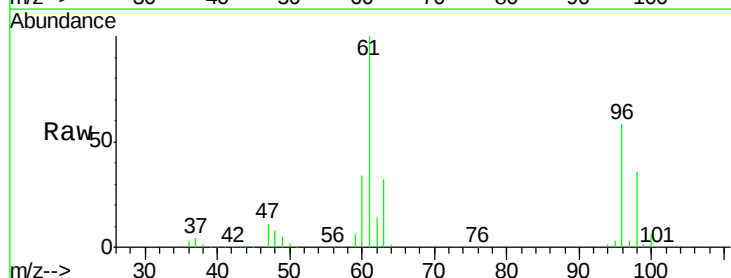
Manual Integrations
 APPROVED

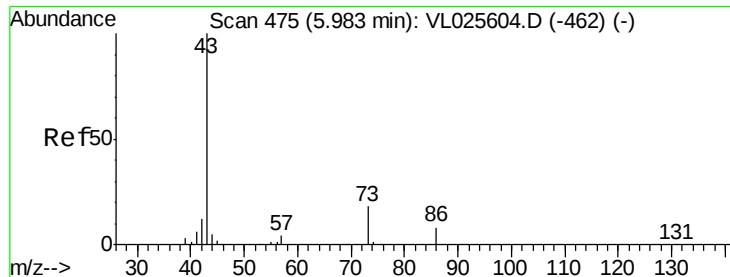
sam
 8/4/2015 12:05:04 PM



#22
 trans-1,2-Dichloroethene
 Concen: 8.96 ppbv
 RT: 5.78 min Scan# 442
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	420949		
61	172.0	141.8	212.6	
98	61.9	49.0	73.6	





#23

Vinyl Acetate

Concen: 9.30 ppbv

RT: 6.00 min Scan# 478

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 43 Resp: 1551675

Ion Ratio Lower Upper

43 100

86 8.3 6.7 10.1

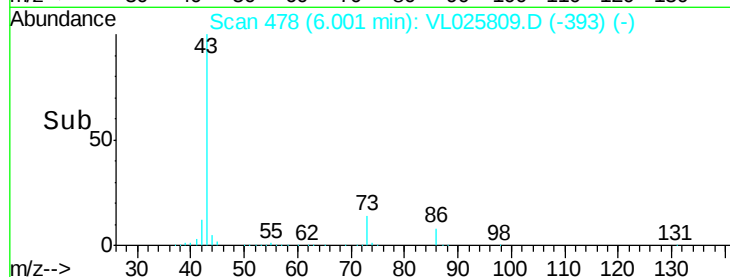
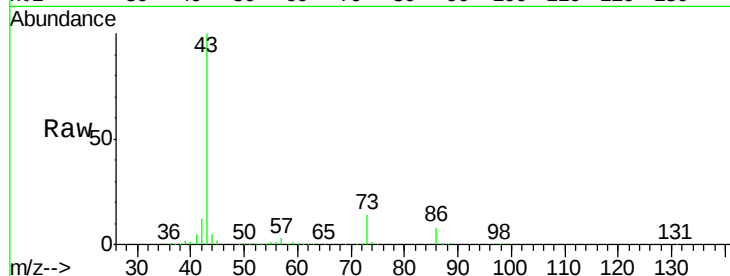
42 12.1 9.8 14.6

44 5.0 4.1 6.1

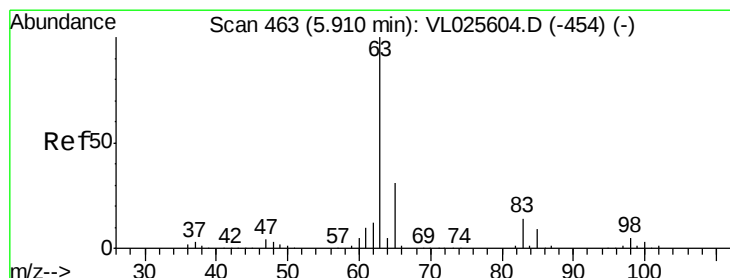
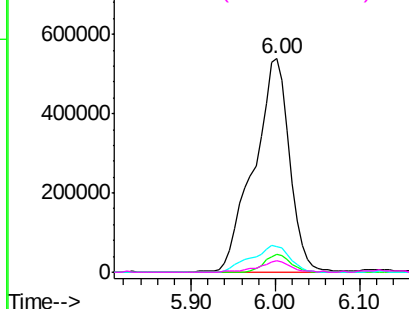
Manual Integrations
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.73 ppbv

RT: 5.93 min Scan# 466

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

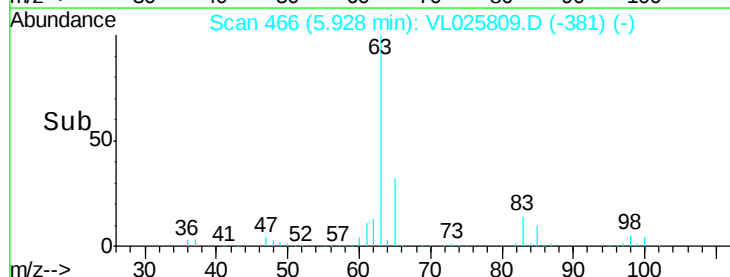
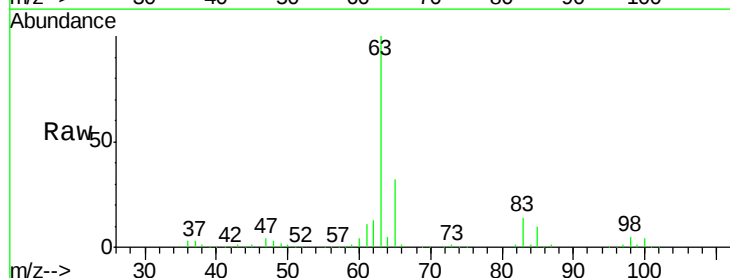
Tgt Ion: 63 Resp: 976198

Ion Ratio Lower Upper

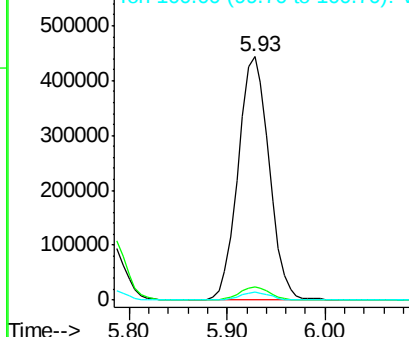
63 100

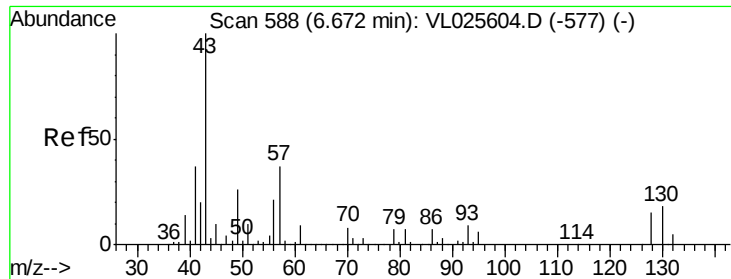
98 5.5 2.6 8.0

100 3.6 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





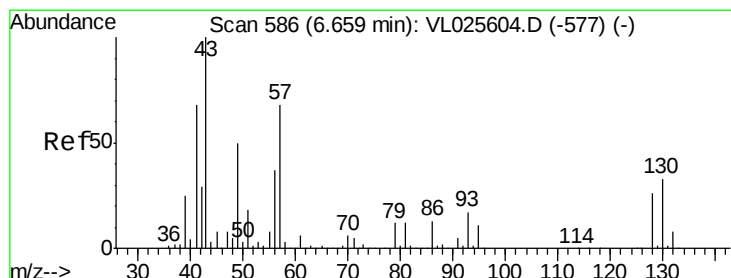
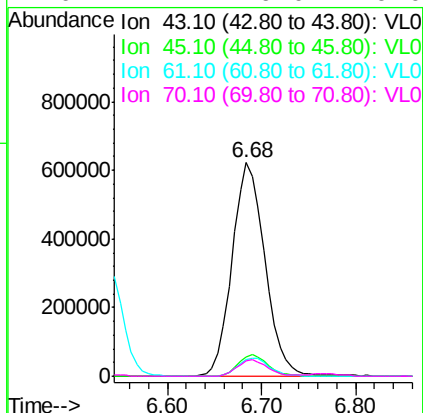
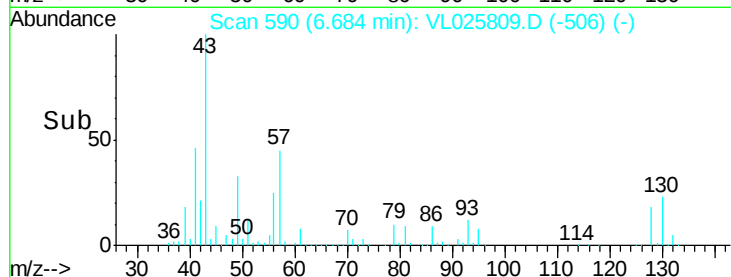
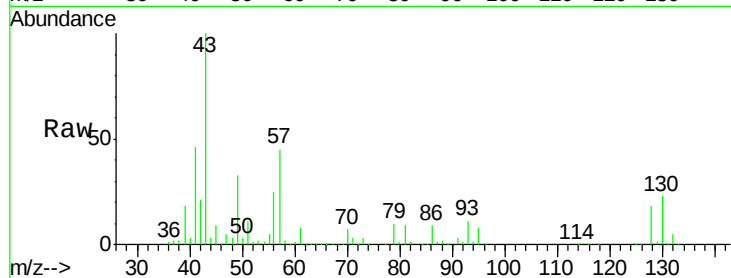
#25
Ethyl Acetate
Concen: 9.05 ppbv
RT: 6.68 min Scan# 590
Delta R.T. 0.01 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.3	7.5	11.3
61	8.4	6.6	10.0
70	7.2	6.0	9.0

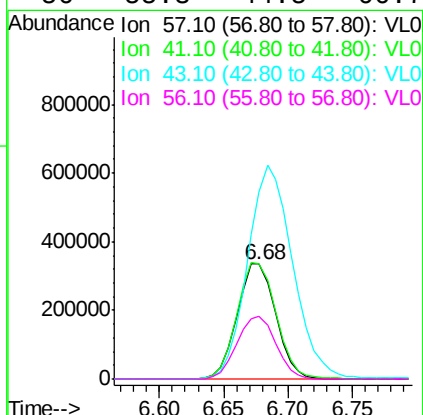
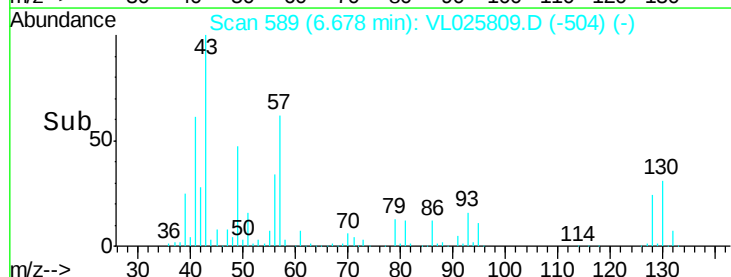
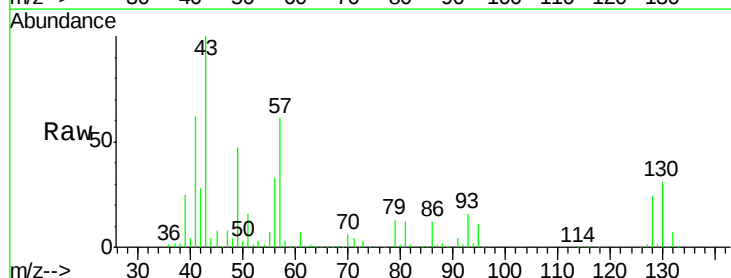
Manual Integrations
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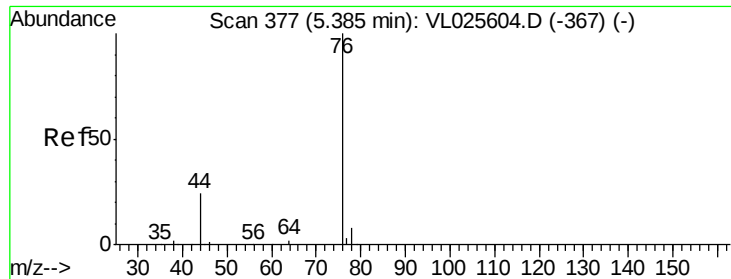
sam
8/4/2015 12:05:04 PM



#26
Hexane
Concen: 8.87 ppbv
RT: 6.68 min Scan# 589
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	104.4	81.4	122.2
43	217.7	171.4	257.2
56	55.3	44.5	66.7





#27

Carbon Disulfide

Concen: 9.44 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

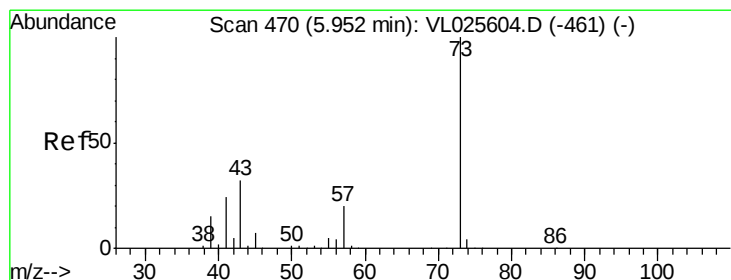
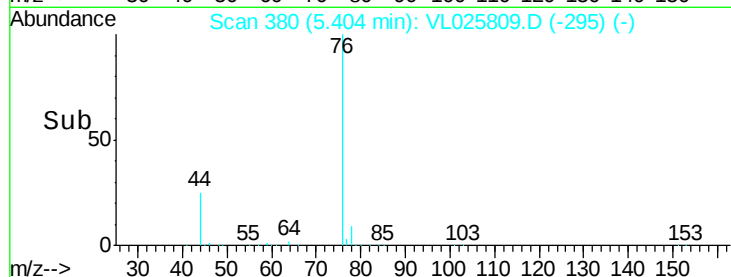
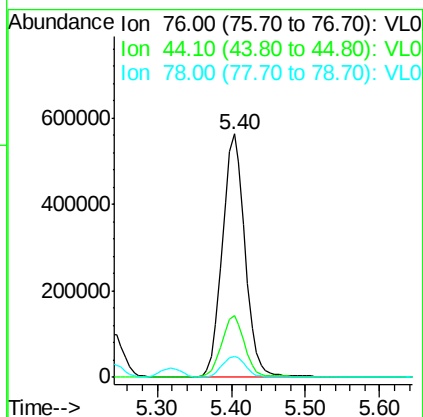
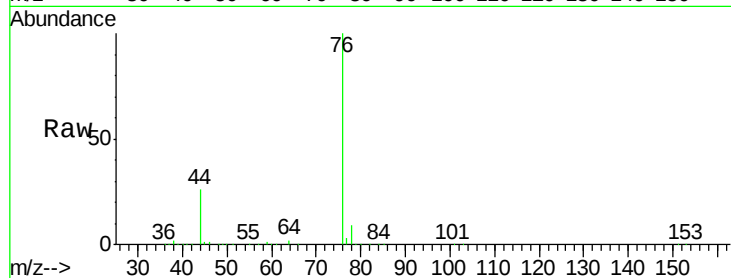
ClientSampleId :

VL0731ABS02

Tgt Ion:	76	Resp:	1200104
Ion	Ratio	Lower	Upper
76	100		
44	25.0	20.2	30.4
78	9.2	7.4	11.2

Manual Integrations
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sam
8/4/2015 12:05:04 PM



#28

Methyl tert-Butyl Ether

Concen: 9.40 ppbv

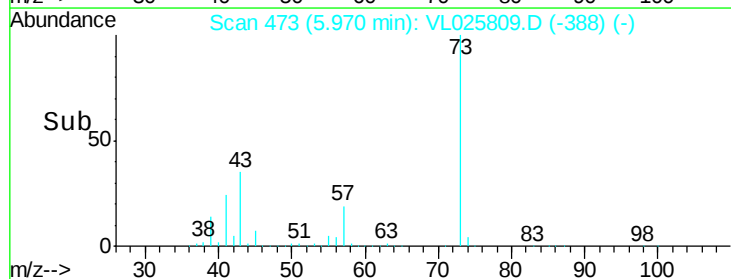
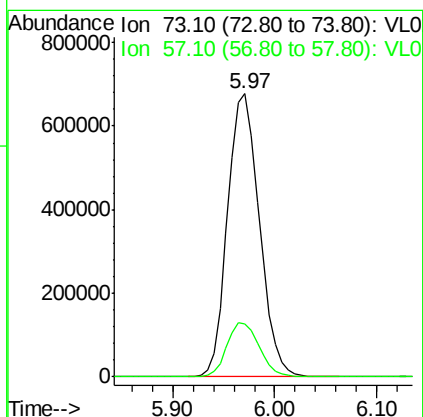
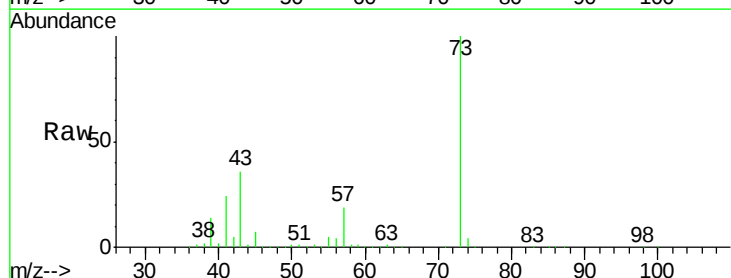
RT: 5.97 min Scan# 473

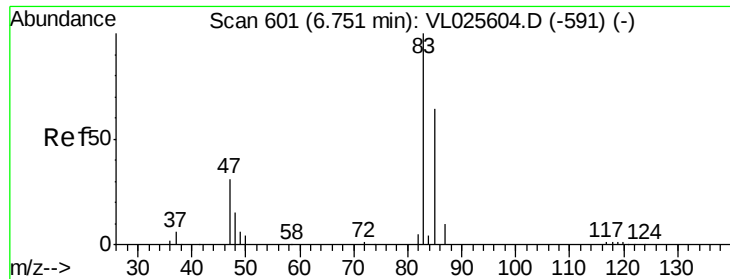
Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Tgt Ion:	73	Resp:	1466061
Ion	Ratio	Lower	Upper
73	100		
57	19.7	16.0	24.0





#29

Chloroform

Concen: 8.76 ppbv

RT: 6.77 min Scan# 604

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 83 Resp: 1357951

Ion Ratio Lower Upper

83 100

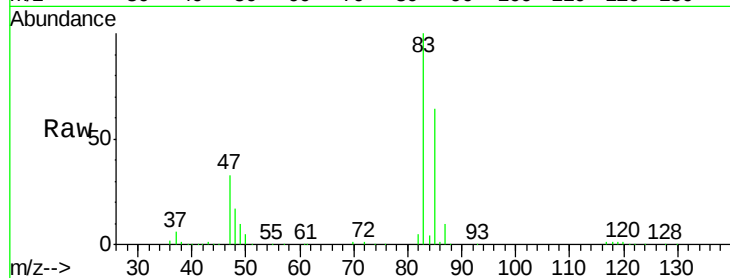
85 63.9 51.6 77.4

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

6.77

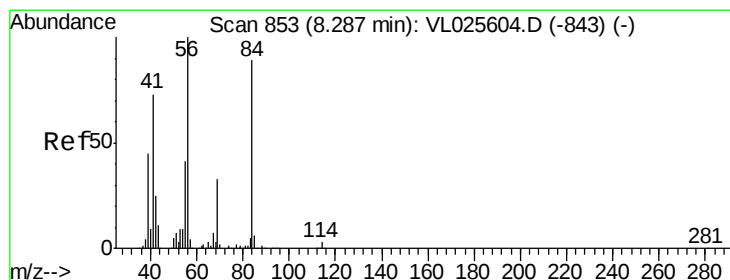
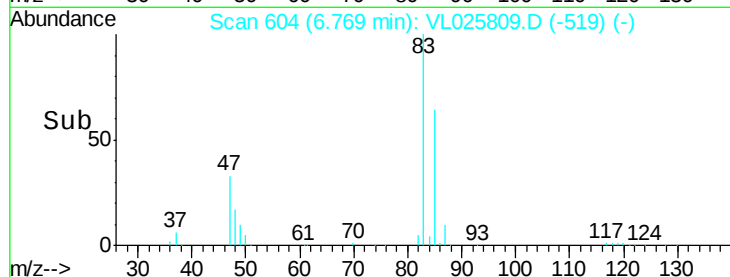
600000

400000

200000

0

Time-->



#30

Cyclohexane

Concen: 9.24 ppbv

RT: 8.30 min Scan# 855

Delta R.T. 0.01 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

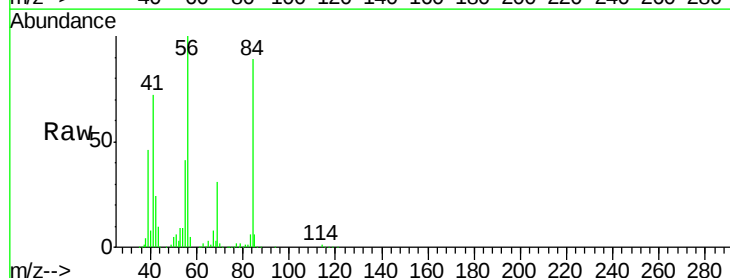
Tgt Ion: 84 Resp: 692968

Ion Ratio Lower Upper

84 100

56 120.3 97.5 146.3

41 81.7 65.4 98.2



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

8.30

400000

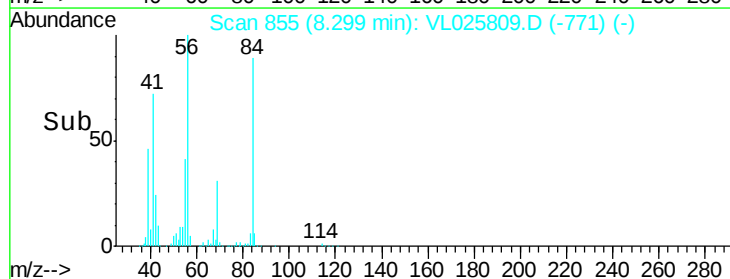
300000

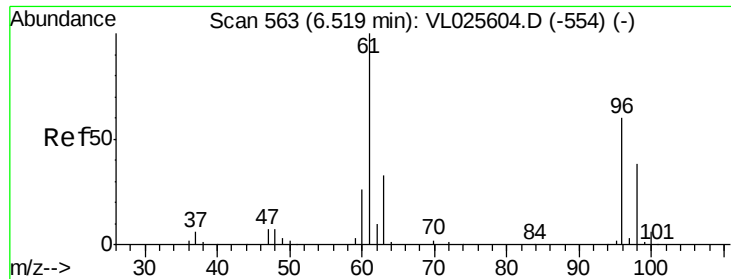
200000

100000

0

Time-->





#31

cis-1,2-Dichloroethene

Concen: 9.54 ppbv

RT: 6.54 min Scan# 566

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 61 Resp: 744169
Ion Ratio Lower Upper

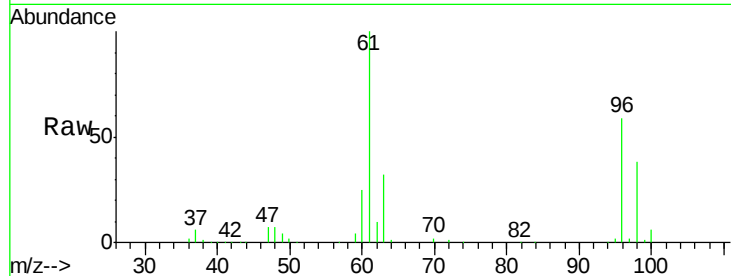
61 100

96 59.4 48.1 72.1

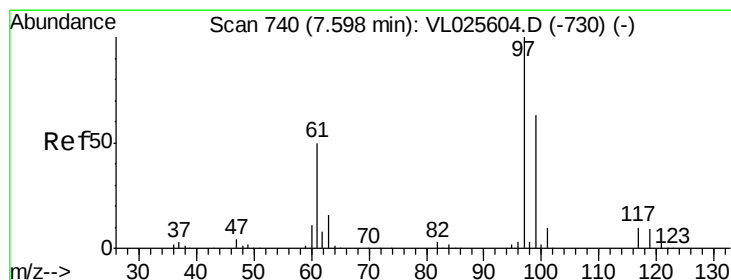
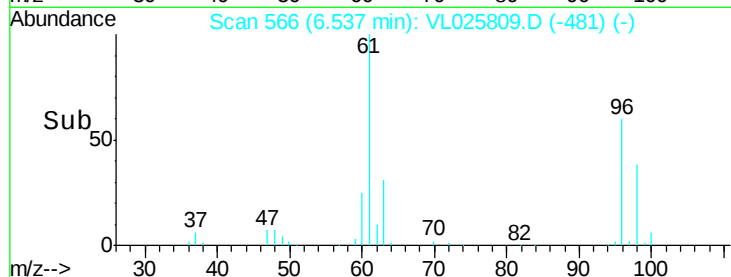
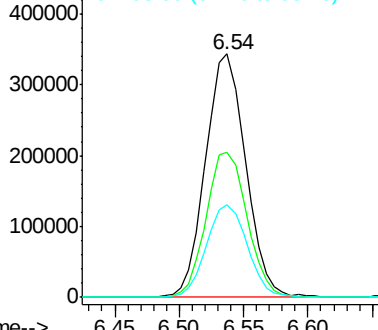
98 38.3 30.7 46.1

Manual Integrations
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sam
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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: 9.13 ppbv

RT: 7.62 min Scan# 743

Delta R.T. 0.02 min

Lab File: VL025809.D

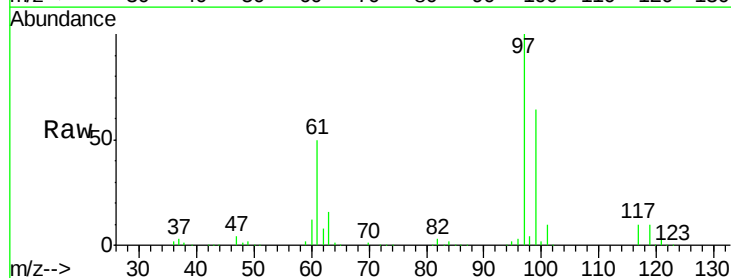
Acq: 31 Jul 2015 12:00

Tgt Ion: 97 Resp: 1537058
Ion Ratio Lower Upper

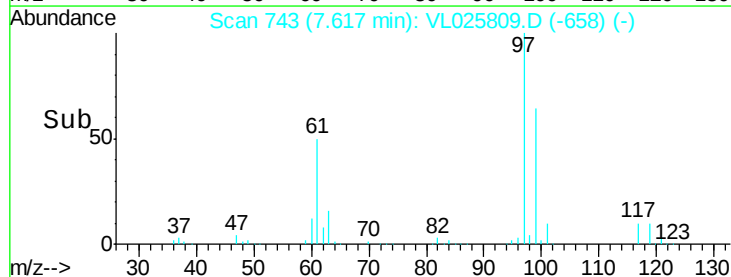
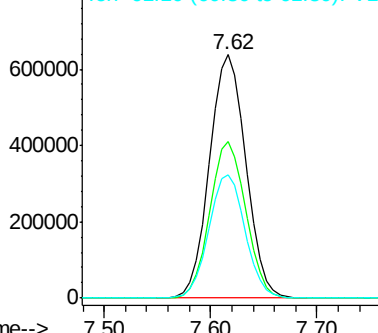
97 100

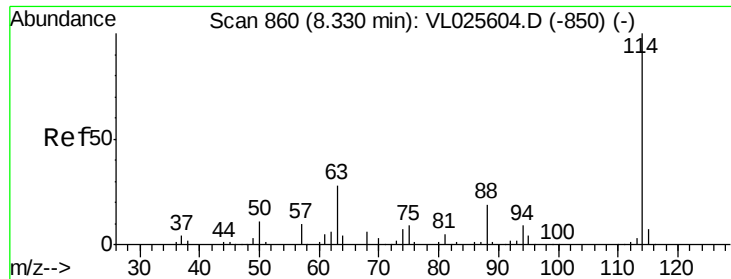
99 63.8 51.2 76.8

61 50.9 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





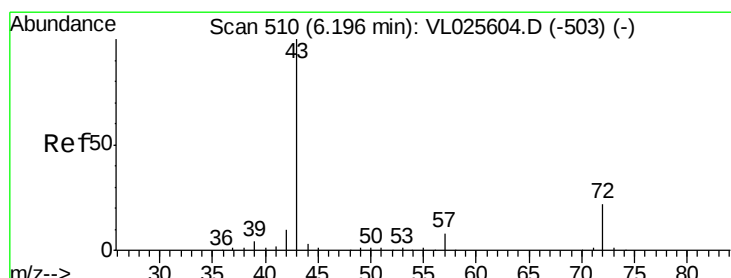
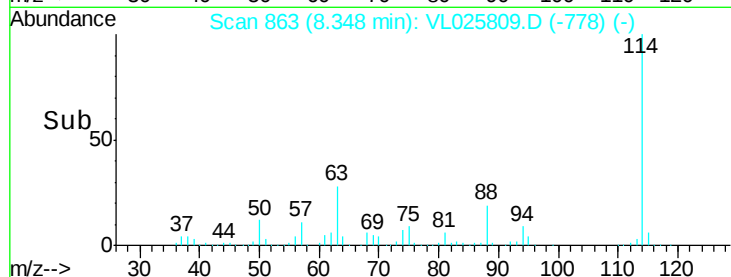
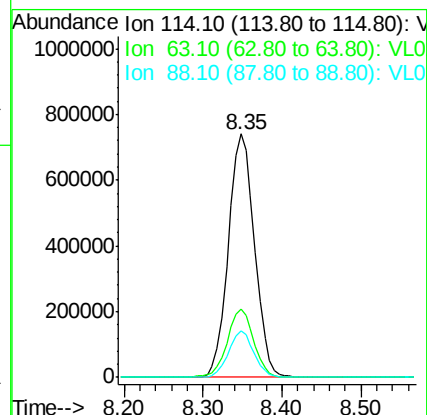
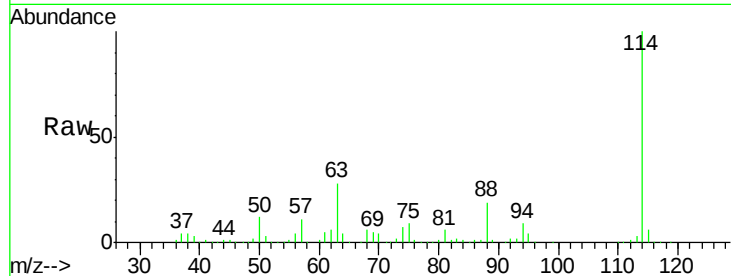
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.35 min Scan# 863
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.5	22.4	33.6
88	18.5	15.0	22.4

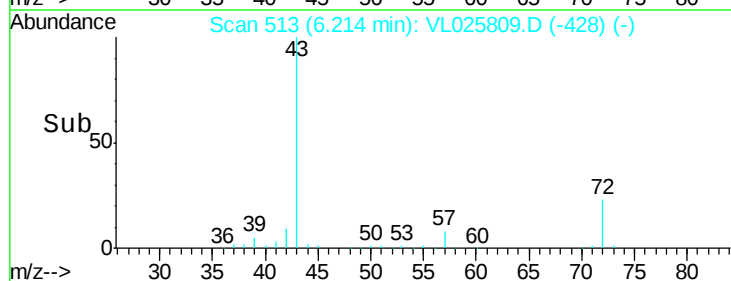
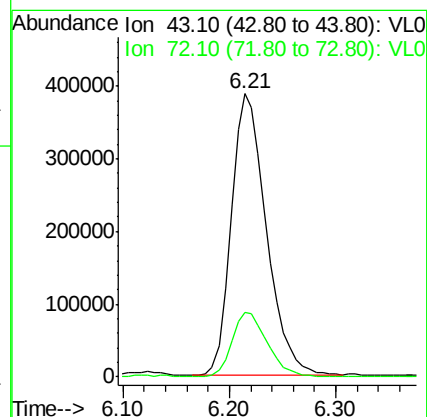
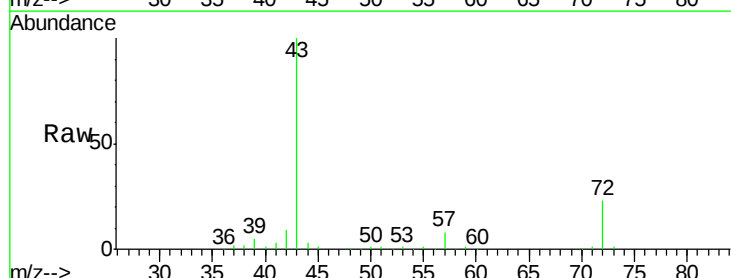
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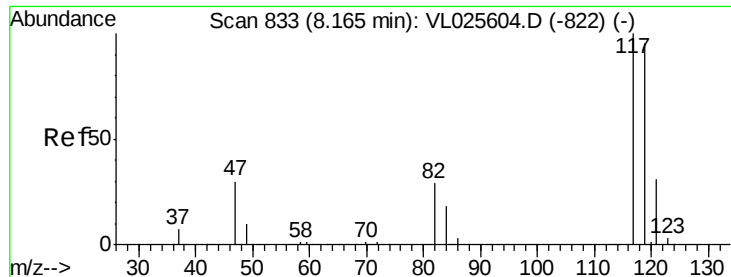
sam
 8/4/2015 12:05:04 PM



#34
 2-Butanone
 Concen: 9.25 ppbv
 RT: 6.21 min Scan# 513
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.6	28.0





#35

Carbon Tetrachloride

Concen: 9.03 ppbv

RT: 8.18 min Scan# 836

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 117 Resp: 1641977

Ion Ratio Lower Upper

117 100

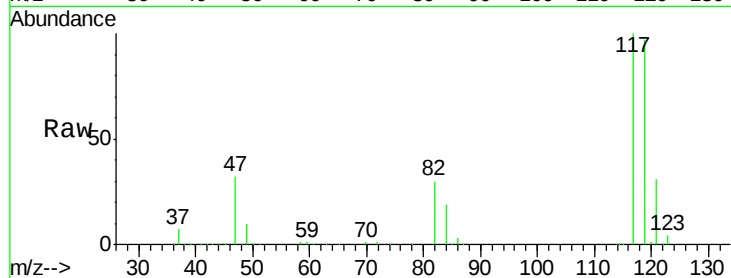
119 97.5 75.9 113.9

121 31.2 24.4 36.6

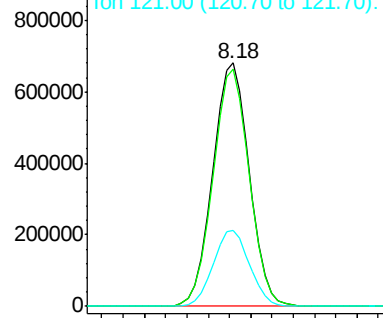
Manual Integrations
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sam

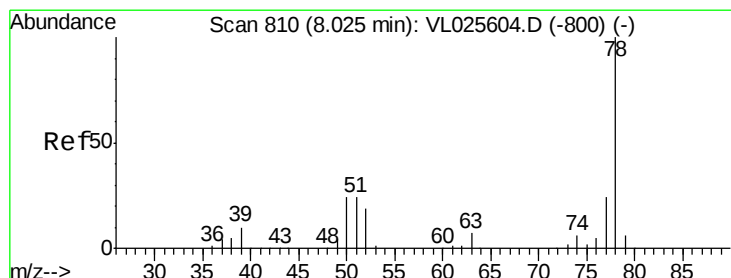
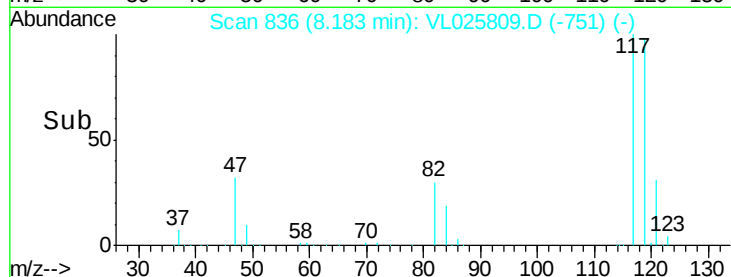
8/4/2015 12:05:04 PM



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



Time-->



#36

Benzene

Concen: 9.31 ppbv

RT: 8.04 min Scan# 813

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

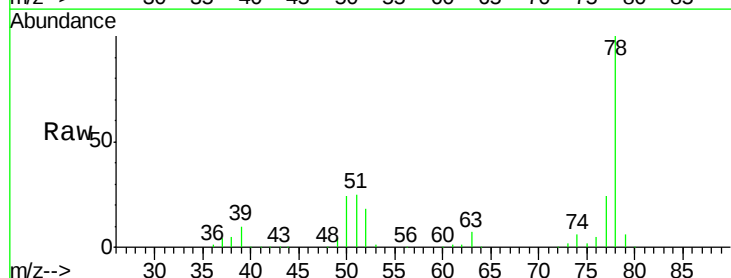
Tgt Ion: 78 Resp: 1521930

Ion Ratio Lower Upper

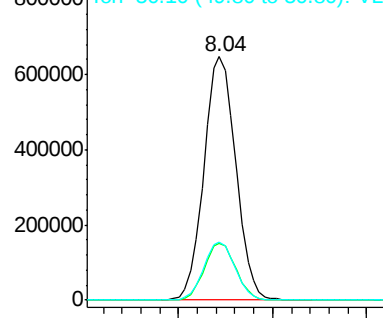
78 100

77 23.5 19.0 28.4

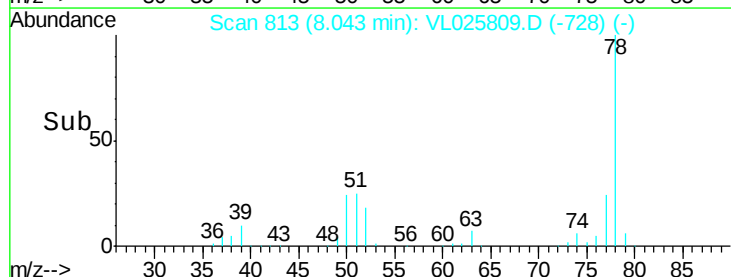
50 23.9 19.2 28.8

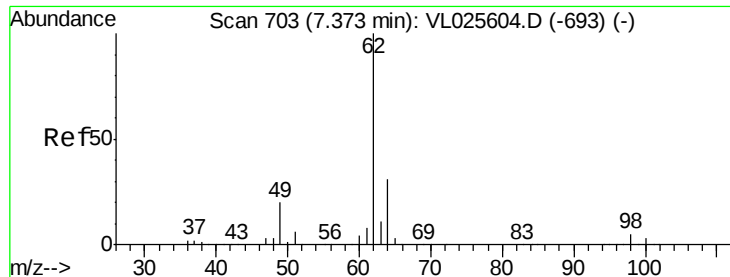


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



Time-->





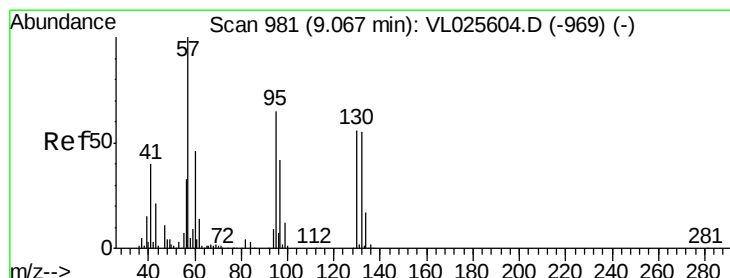
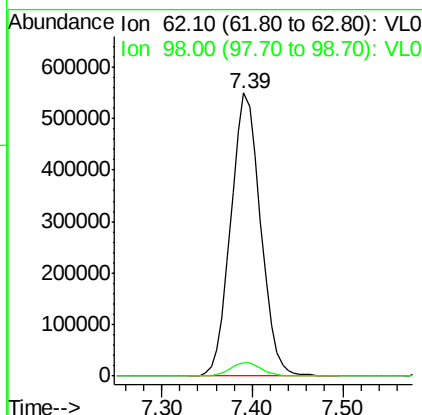
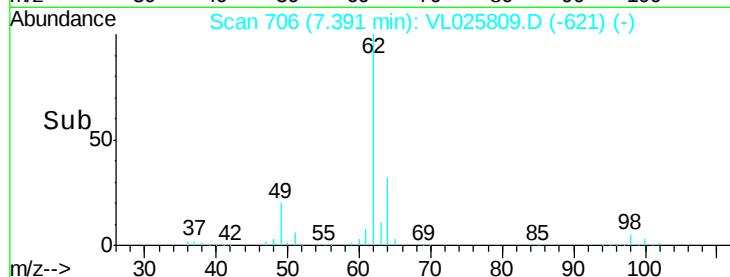
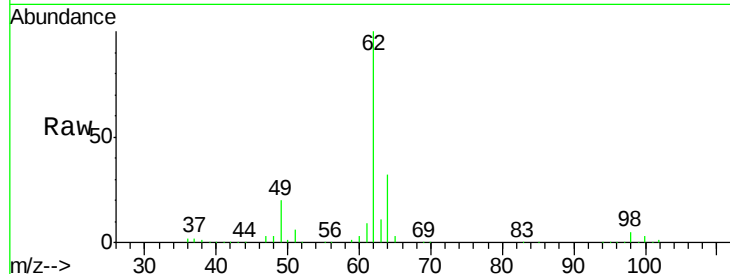
#37
 1,2-Dichloroethane
 Concen: 8.99 ppbv
 RT: 7.39 min Scan# 706
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion: 62 Resp: 1254639
 Ion Ratio Lower Upper
 62 100
 98 5.0 4.1 6.1

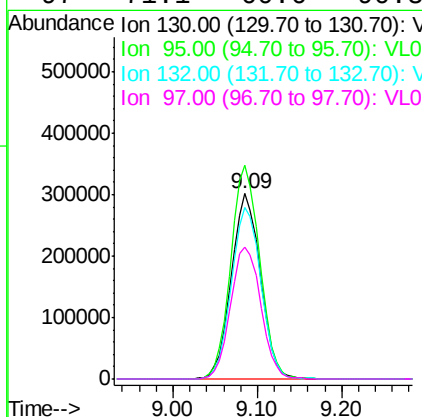
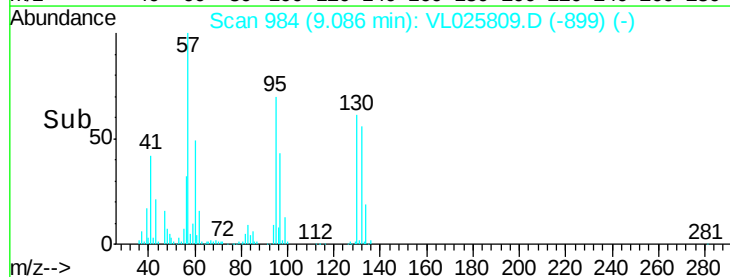
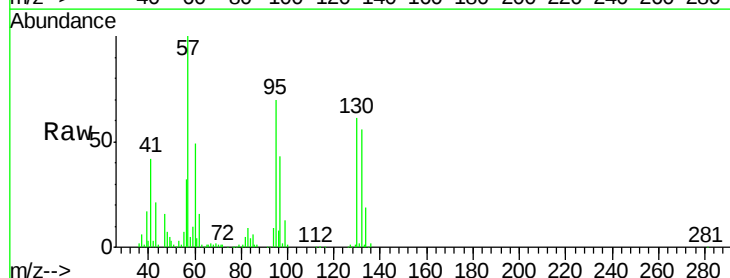
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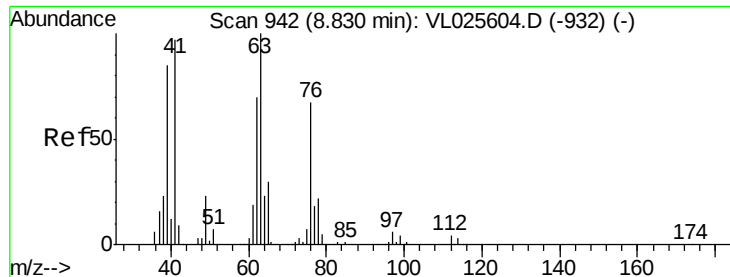
sam
 8/4/2015 12:05:04 PM



#38
 Trichloroethene
 Concen: 9.28 ppbv
 RT: 9.09 min Scan# 984
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion: 130 Resp: 705745
 Ion Ratio Lower Upper
 130 100
 95 115.4 94.2 141.4
 132 92.8 78.6 118.0
 97 71.1 60.6 90.8





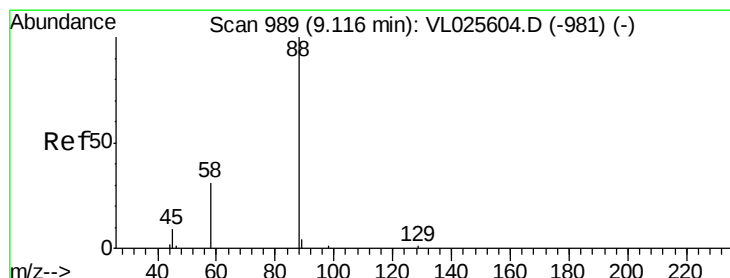
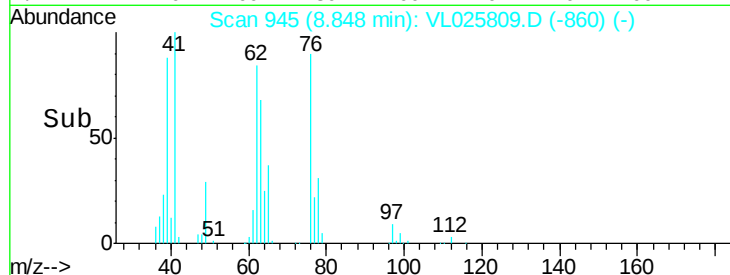
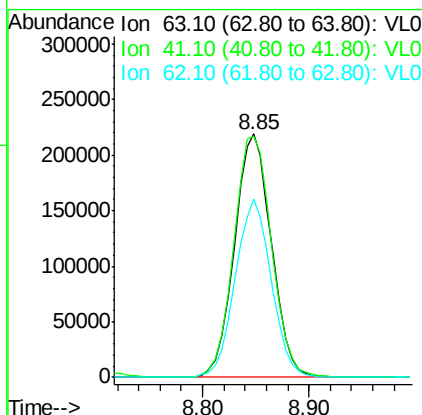
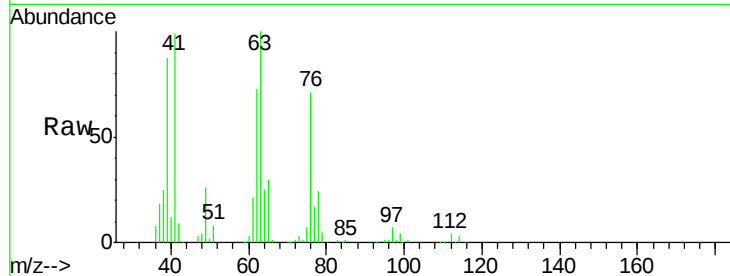
#39
 1,2-Dichloropropane
 Concen: 8.76 ppbv
 RT: 8.85 min Scan# 945
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	528660		
41	99.2	78.0	117.0	
62	73.5	55.7	83.5	

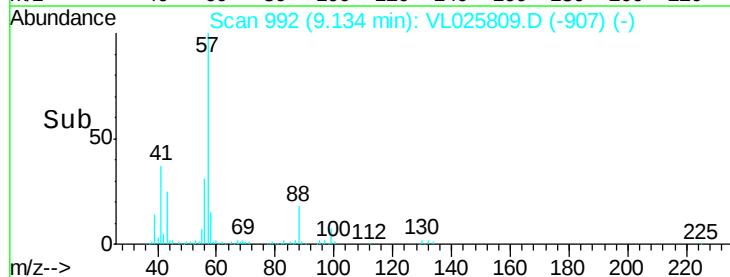
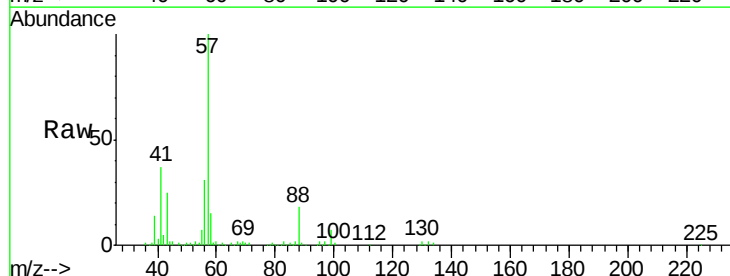
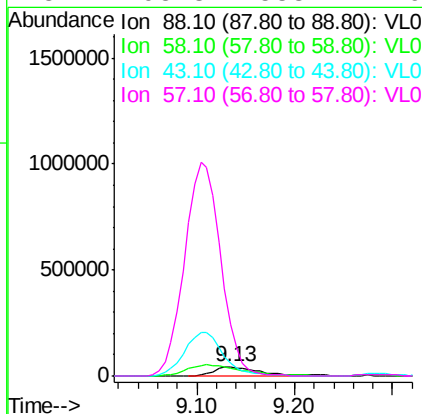
Manual Integrations
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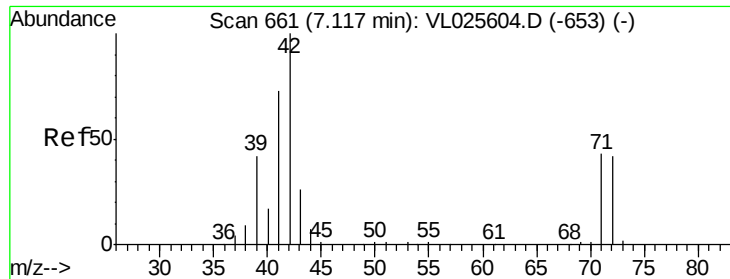
sam
 8/4/2015 12:05:04 PM



#40
 1,4-Dioxane
 Concen: 15.27 ppbv
 RT: 9.13 min Scan# 992
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	144612		
58	148.1	127.1	190.7	
43	399.9	337.7	506.5	
57	1795.3	1533.2	2299.8	





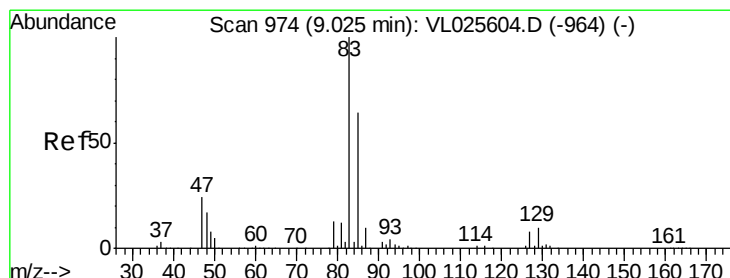
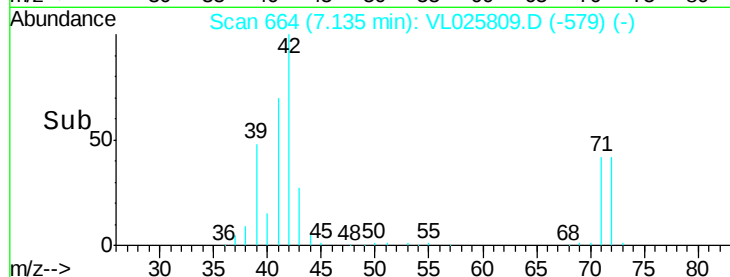
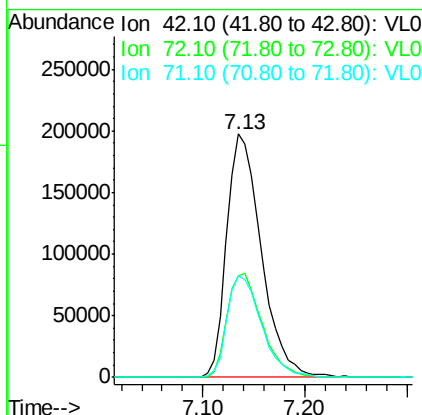
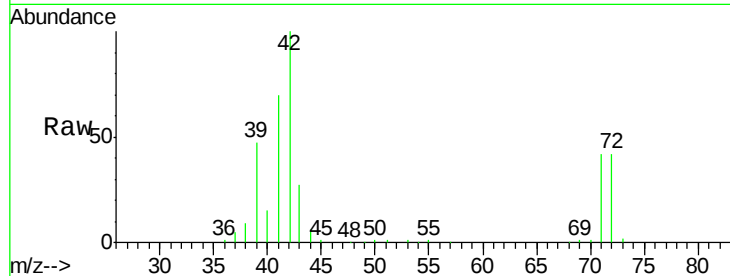
#41
Tetrahydrofuran
Concen: 9.61 ppbv
RT: 7.13 min Scan# 664
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.0	51.0
71	41.6	33.0	49.6

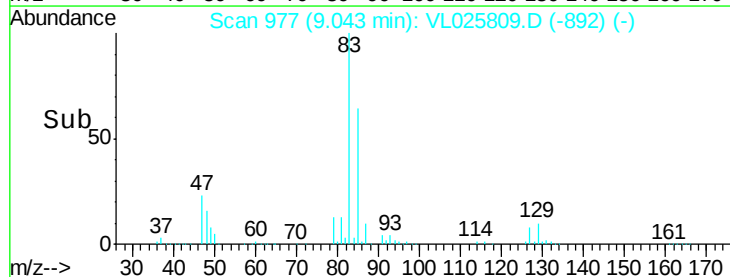
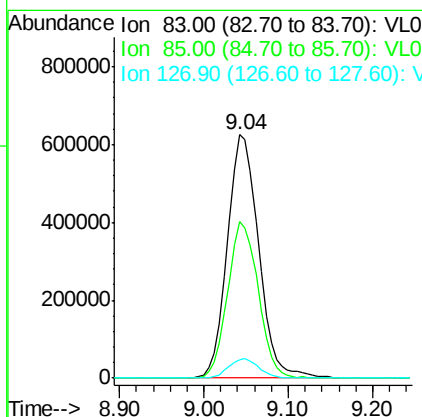
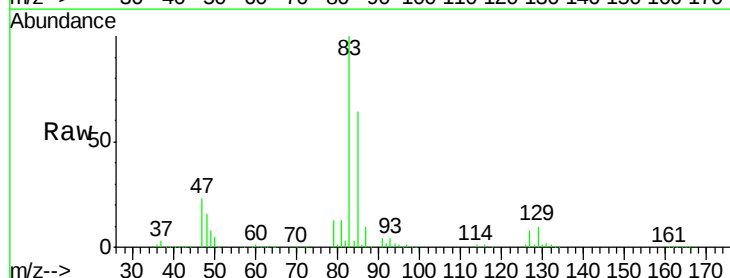
Manual Integrations
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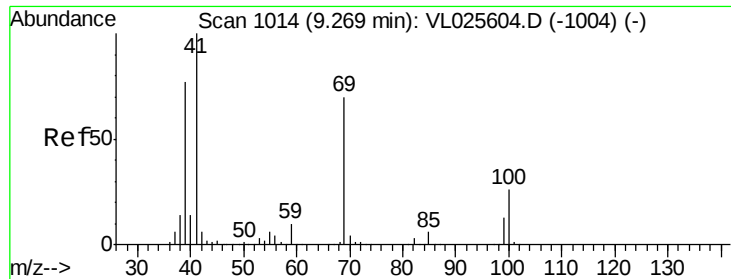
sam
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#42
Bromodichloromethane
Concen: 9.41 ppbv
RT: 9.04 min Scan# 977
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9
127	7.7	6.0	9.0





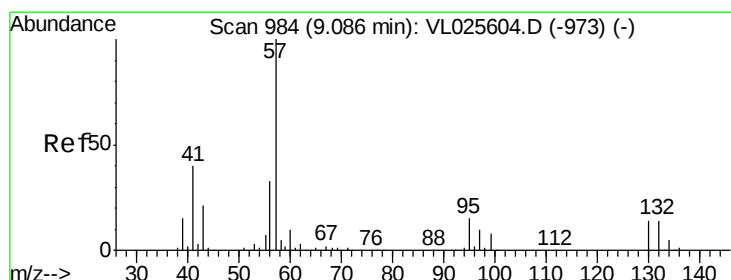
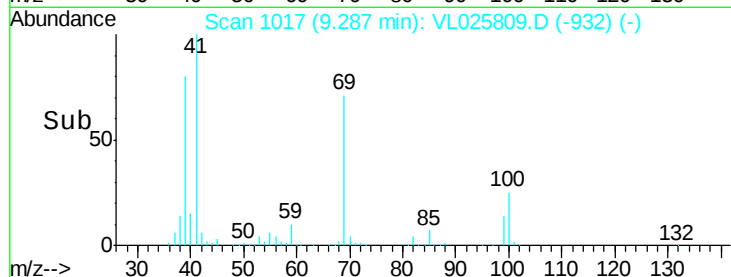
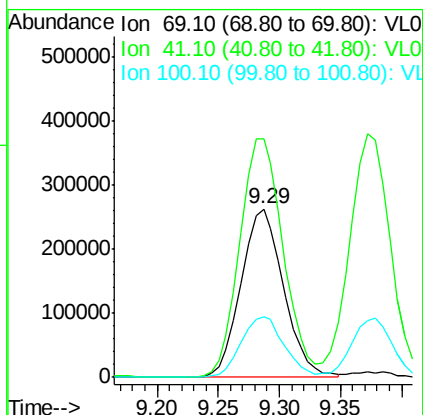
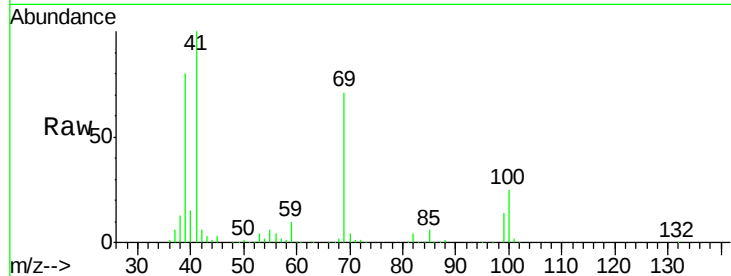
#43
Methyl Methacrylate
Concen: 10.13 ppbv
RT: 9.29 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	145.4	117.3	175.9
100	36.7	29.0	43.6

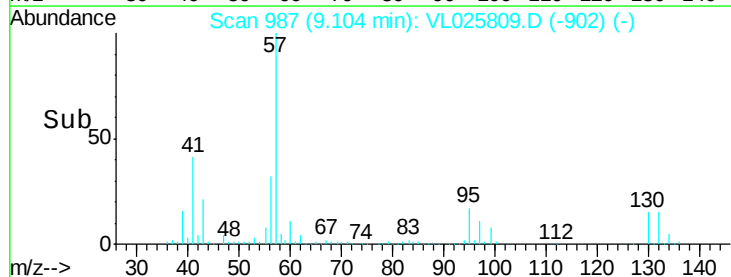
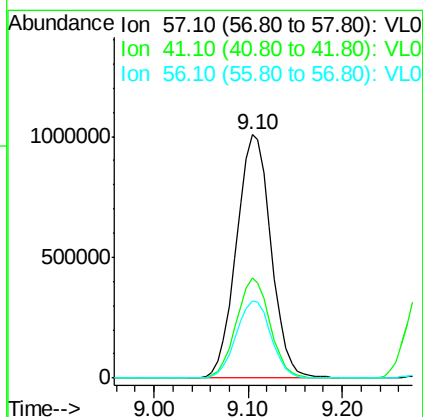
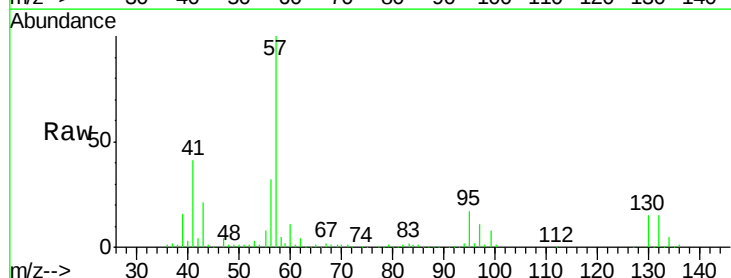
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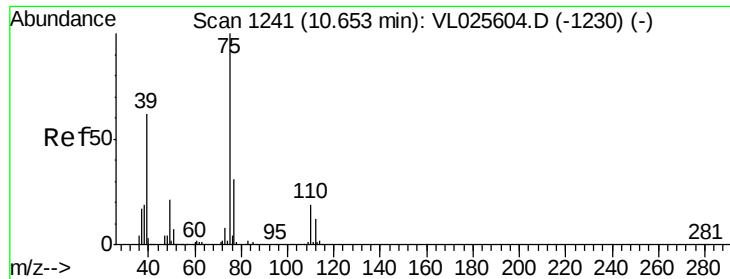
sam
8/4/2015 12:05:04 PM



#44
2,2,4-Trimethylpentane
Concen: 9.24 ppbv
RT: 9.10 min Scan# 987
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	39.9	31.2	46.8
56	31.8	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 10.39 ppbv

RT: 10.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 75 Resp: 1096302

Ion Ratio Lower Upper

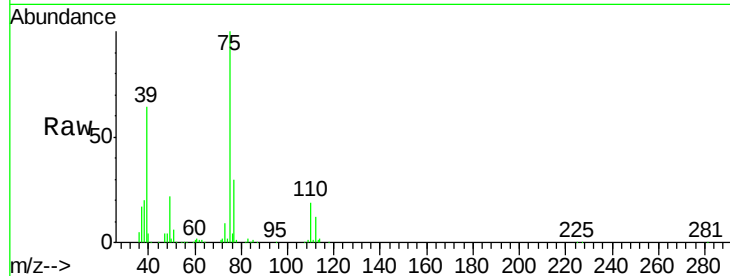
75 100

77 30.3 24.6 37.0

Manual Integrations
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sam

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

10.67

400000

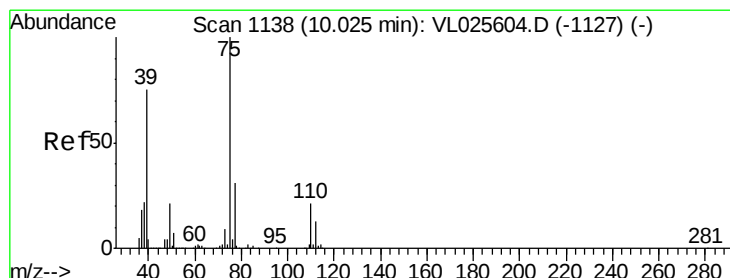
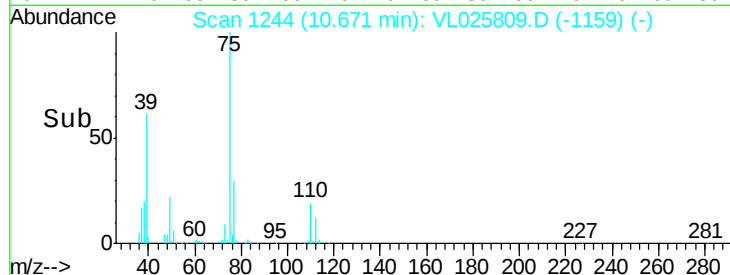
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.23 ppbv

RT: 10.04 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

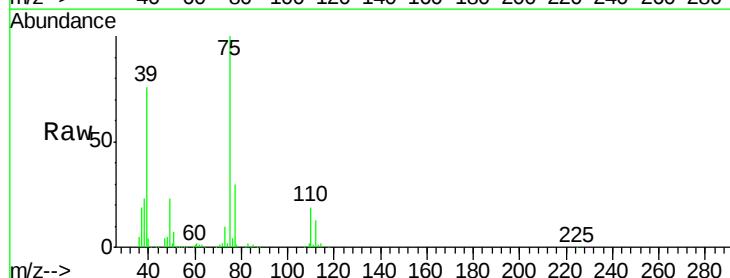
Tgt Ion: 75 Resp: 1193386

Ion Ratio Lower Upper

75 100

39 75.8 60.4 90.6

77 30.5 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

600000

500000

400000

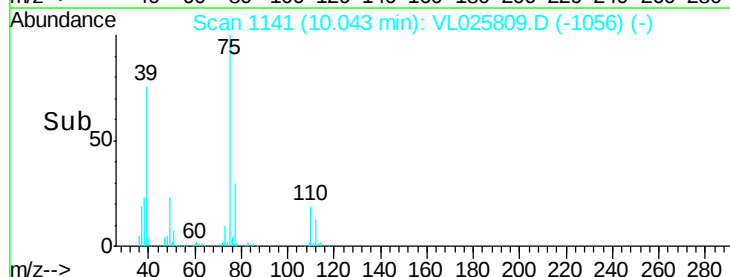
300000

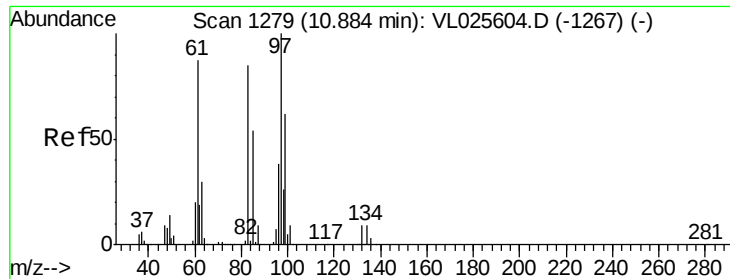
200000

100000

0

Time-->





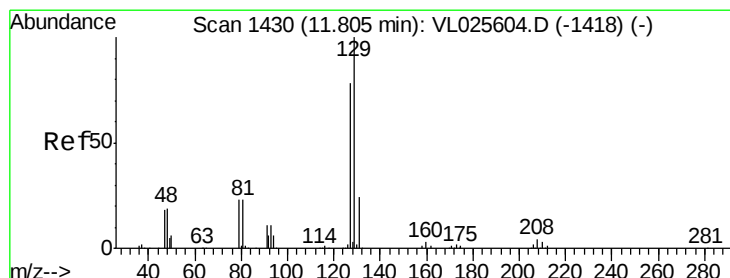
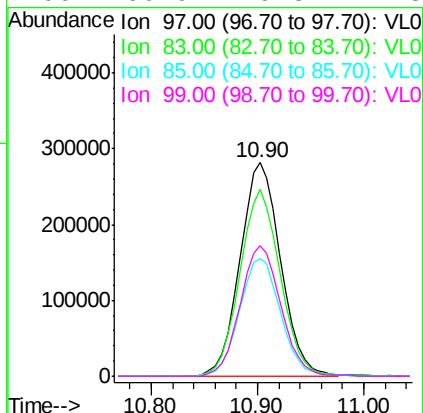
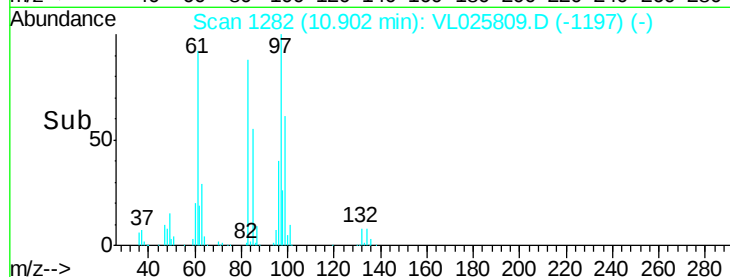
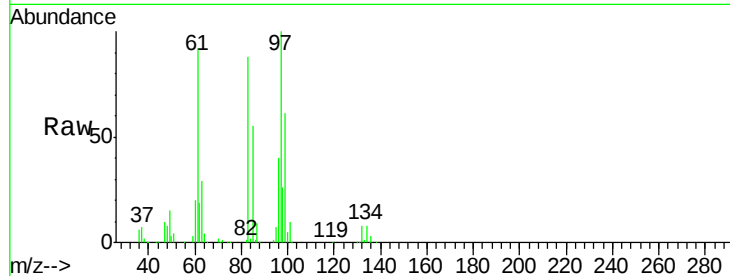
#47
 1,1,2-Trichloroethane
 Concen: 8.95 ppbv
 RT: 10.90 min Scan# 1282
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.8	101.8
85	54.9	43.5	65.3
99	60.9	49.8	74.8

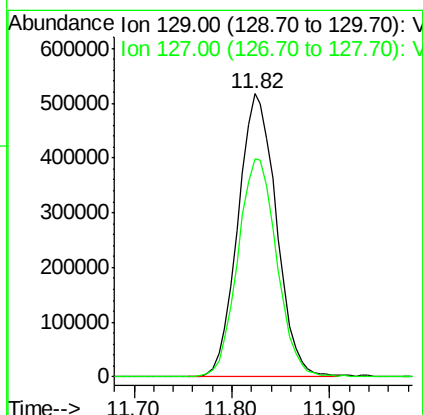
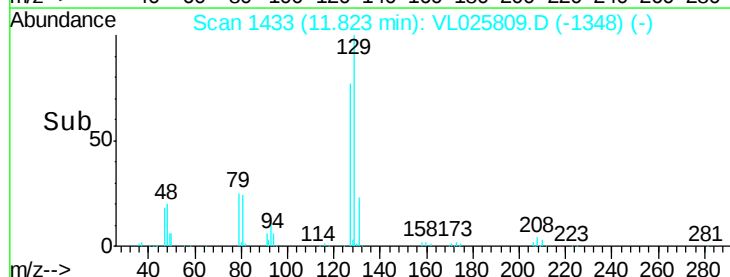
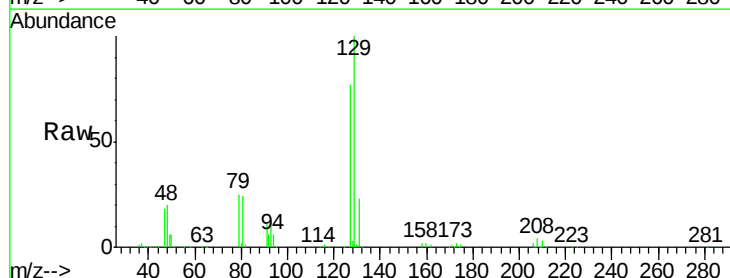
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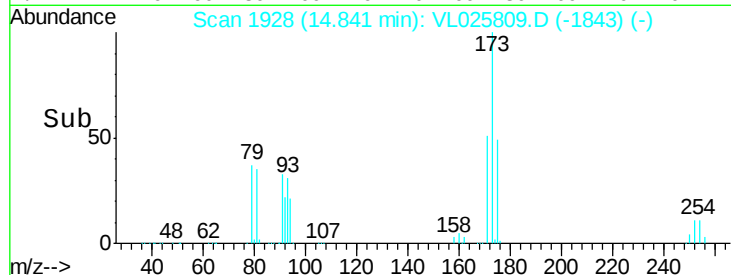
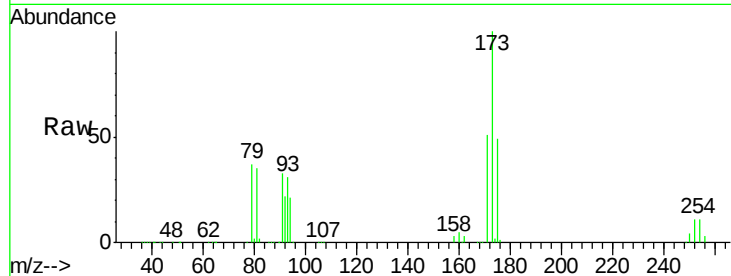
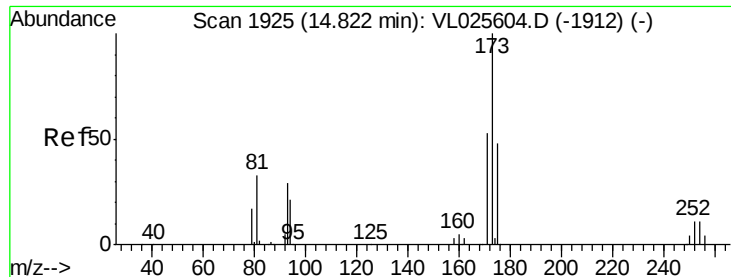
sam
 8/4/2015 12:05:04 PM



#48
 Dibromochloromethane
 Concen: 9.39 ppbv
 RT: 11.82 min Scan# 1433
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.0	116.9





#49

Bromoform

Concen: 9.30 ppbv

RT: 14.84 min Scan# 1928

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Tgt Ion: 173 Resp: 1152668

Ion Ratio Lower Upper

173 100

175 48.3 39.5 59.3

171 51.5 42.2 63.2

Instrument :

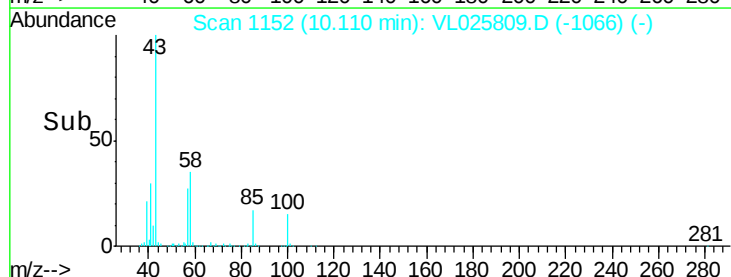
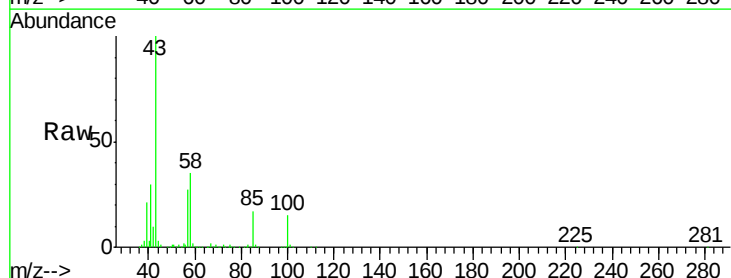
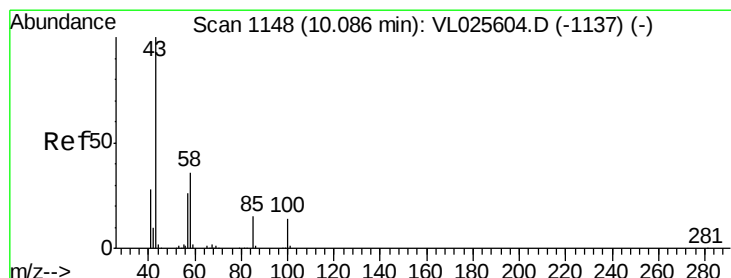
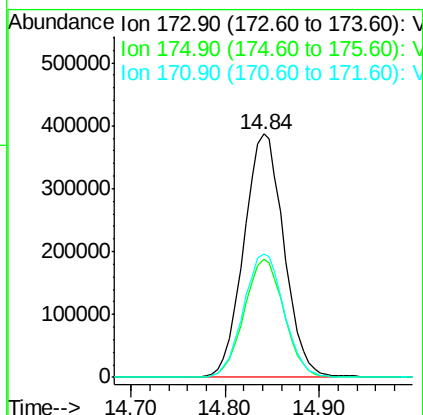
MSVOA_L

ClientSampleId :

VL0731ABS02

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#50

4-Methyl-2-Pentanone

Concen: 9.82 ppbv

RT: 10.11 min Scan# 1152

Delta R.T. 0.02 min

Lab File: VL025809.D

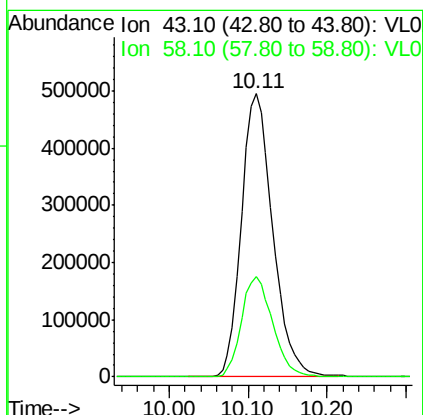
Acq: 31 Jul 2015 12:00

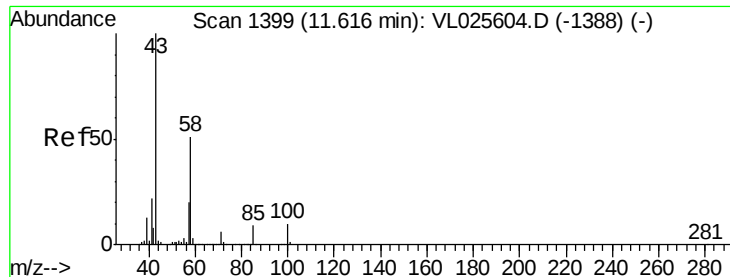
Tgt Ion: 43 Resp: 1370436

Ion Ratio Lower Upper

43 100

58 35.5 28.5 42.7





#51

2-Hexanone

Concen: 10.35 ppbv

RT: 11.63 min Scan# 1402

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 43 Resp: 1295783

Ion Ratio Lower Upper

43 100

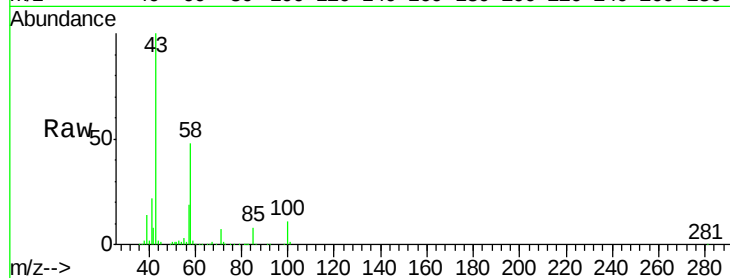
58 48.9 39.0 58.6

98 0.4 0.2 0.4#

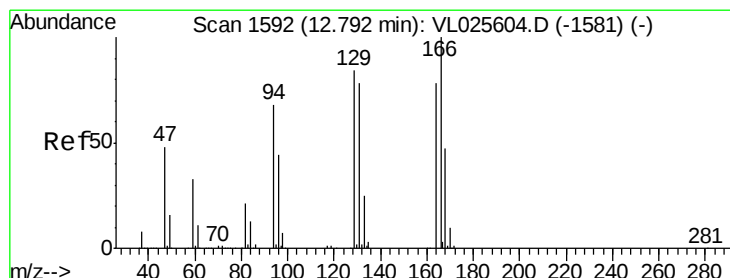
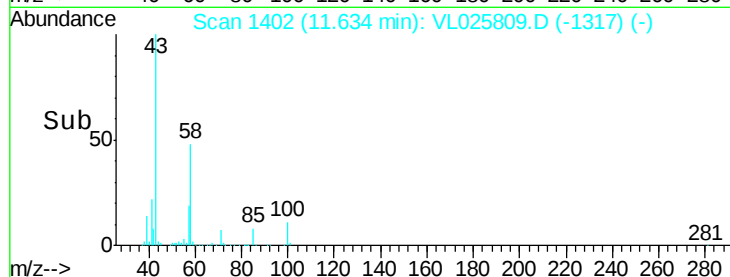
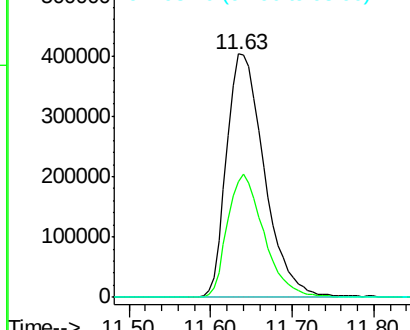
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.34 ppbv

RT: 12.82 min Scan# 1596

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Tgt Ion: 164 Resp: 765764

Ion Ratio Lower Upper

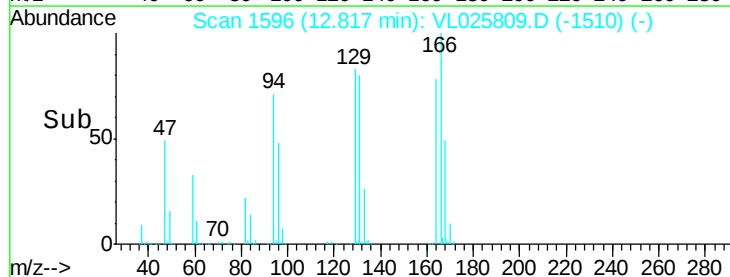
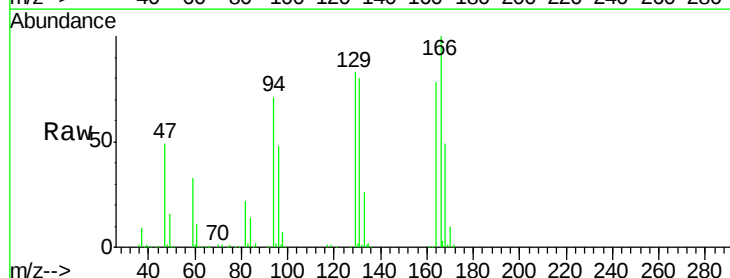
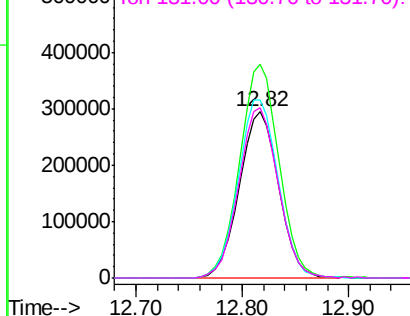
164 100

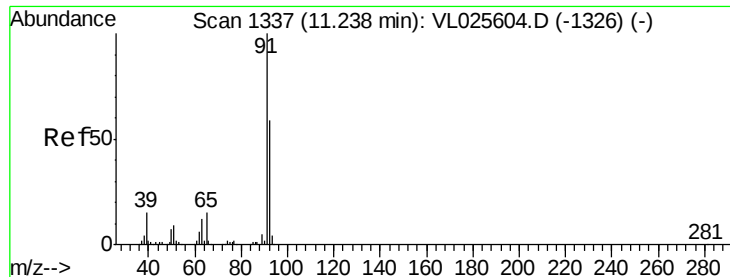
166 128.6 102.3 153.5

129 107.1 86.2 129.4

131 102.5 80.3 120.5

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.62 ppbv

RT: 11.26 min Scan# 1340

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 91 Resp: 2209683

Ion Ratio Lower Upper

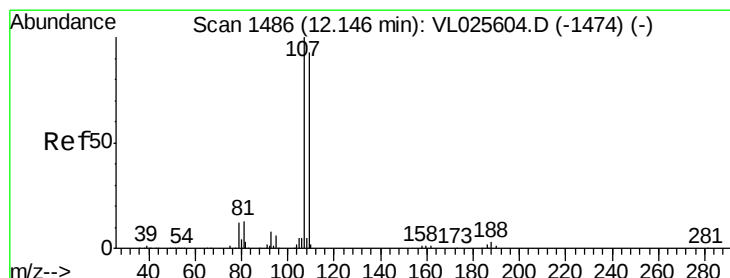
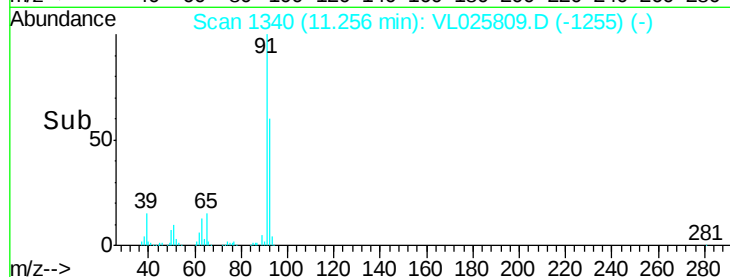
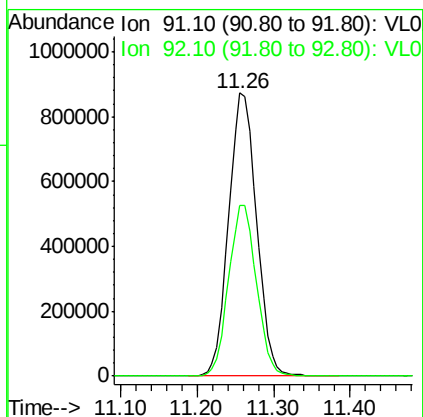
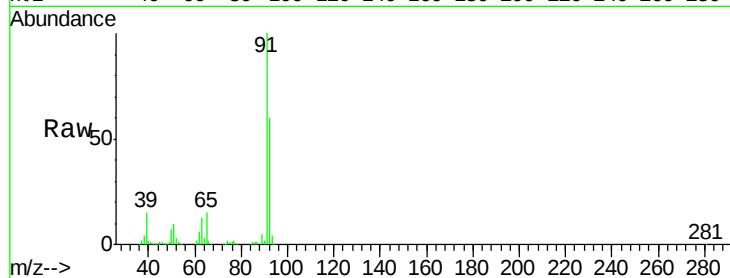
91 100

92 60.2 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.11 ppbv

RT: 12.16 min Scan# 1489

Delta R.T. 0.02 min

Lab File: VL025809.D

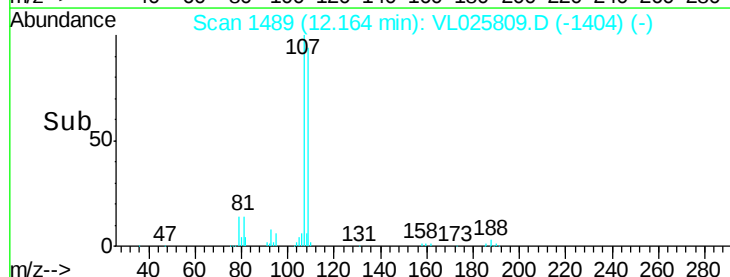
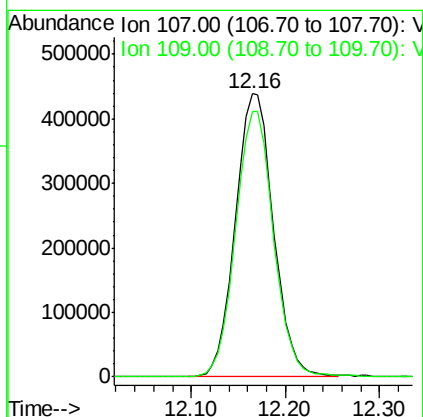
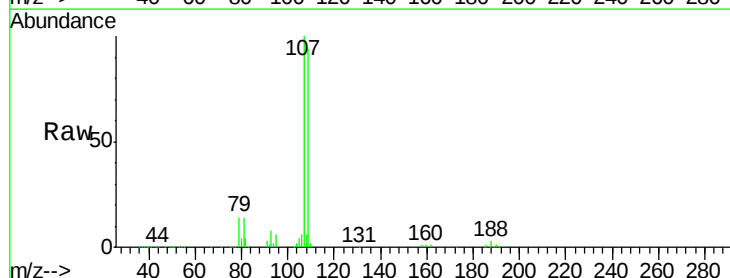
Acq: 31 Jul 2015 12:00

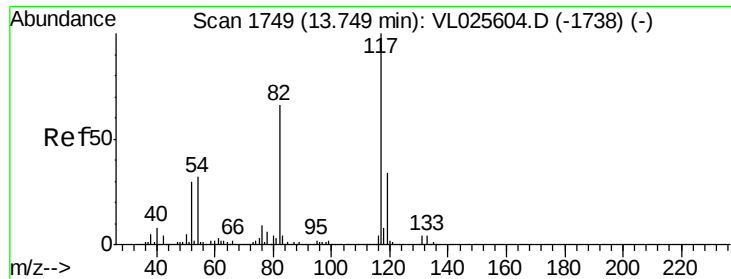
Tgt Ion: 107 Resp: 1238545

Ion Ratio Lower Upper

107 100

109 93.6 74.1 111.1





#55

Chlorobenzene-d5

Concen: 10.00 ppbv m

RT: 13.77 min Scan# 1752

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion:117 Resp: 1986327

Ion Ratio Lower Upper

117 100

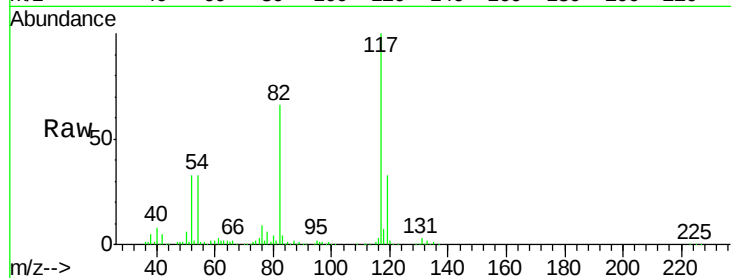
82 72.8 50.5 75.7

119 64.4 45.1 67.7

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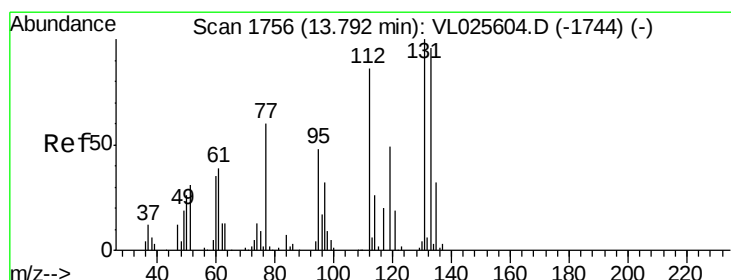
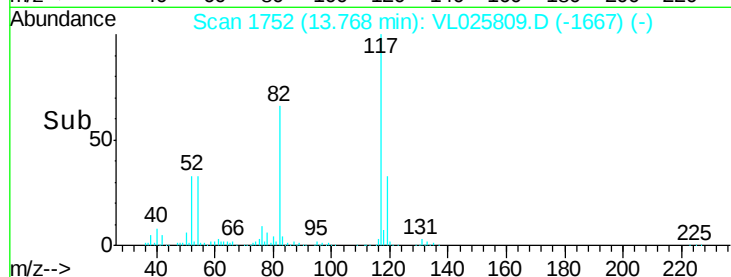
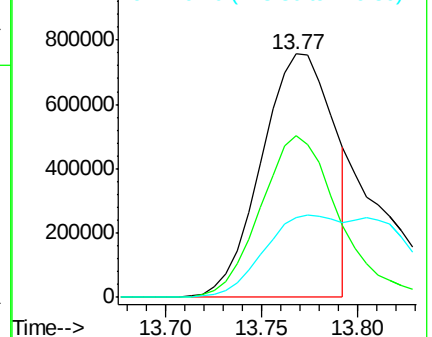
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.74 ppbv

RT: 13.81 min Scan# 1759

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

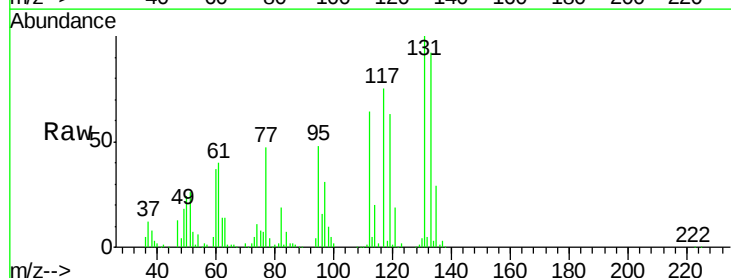
Tgt Ion:131 Resp: 1046042

Ion Ratio Lower Upper

131 100

133 94.4 76.9 115.3

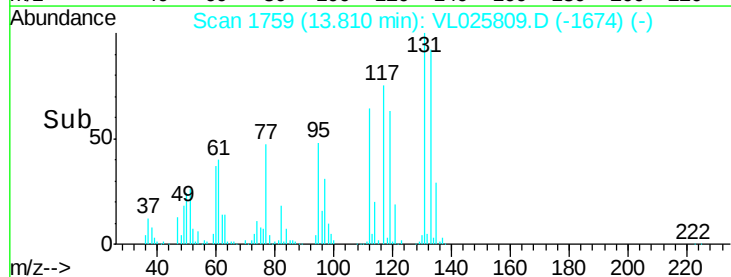
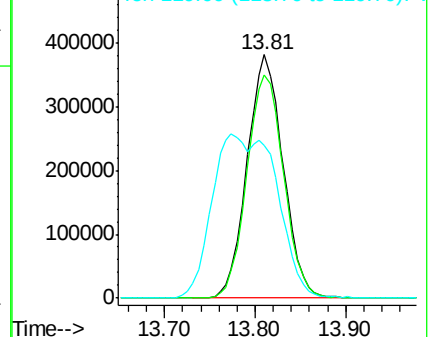
119 122.3 97.8 146.8

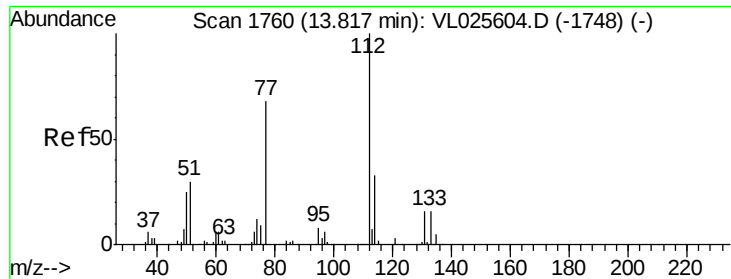


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





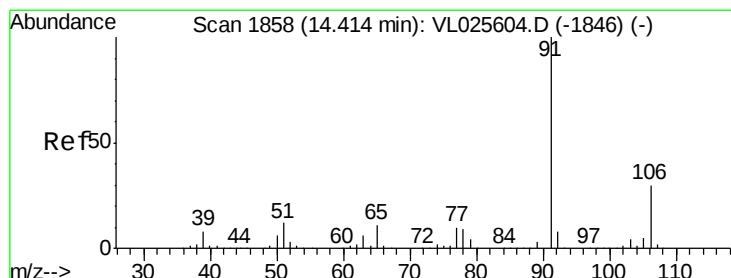
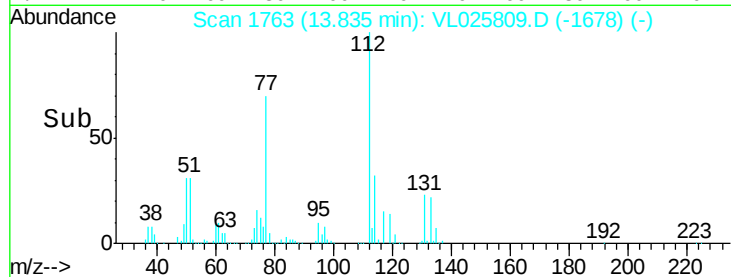
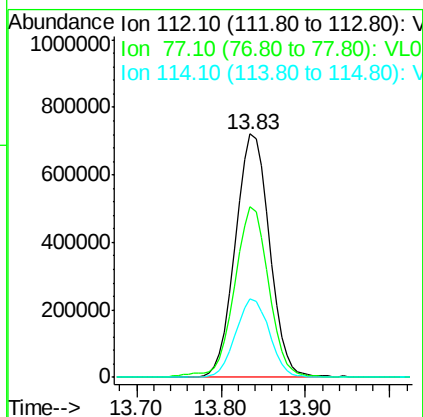
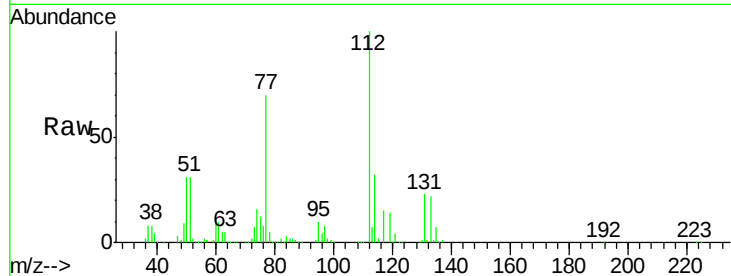
#57
Chlorobenzene
Concen: 9.39 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 112 Resp: 1984267
Ion Ratio Lower Upper
112 100
77 69.7 55.2 82.8
114 32.2 29.4 36.0

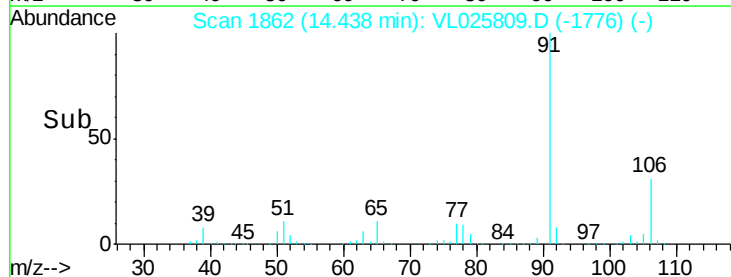
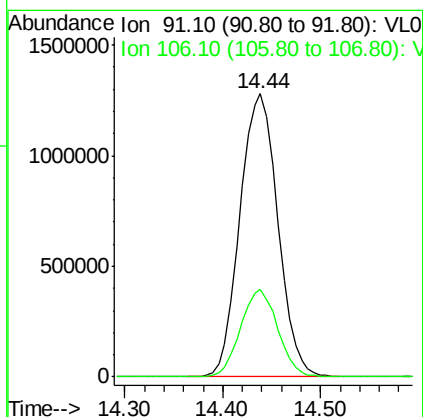
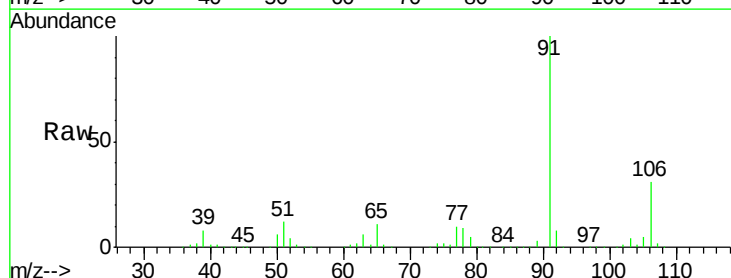
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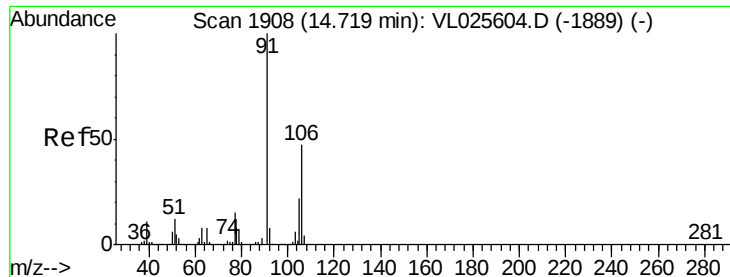
sam
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#58
Ethyl Benzene
Concen: 10.54 ppbv
RT: 14.44 min Scan# 1862
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 3459197
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2





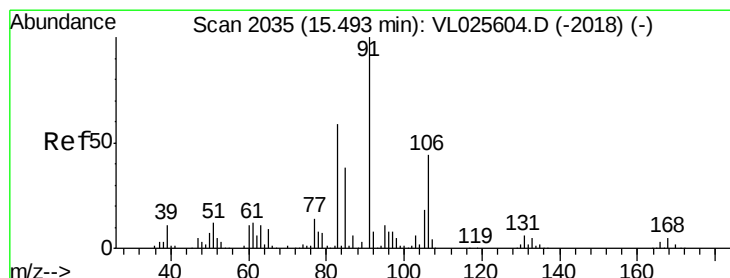
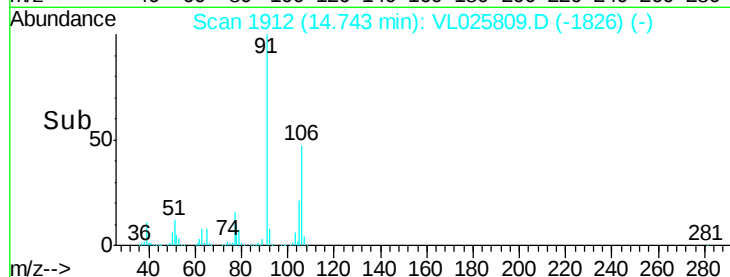
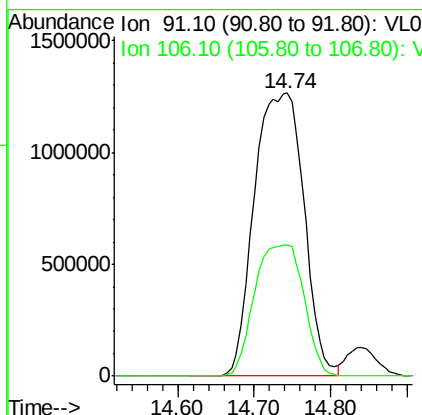
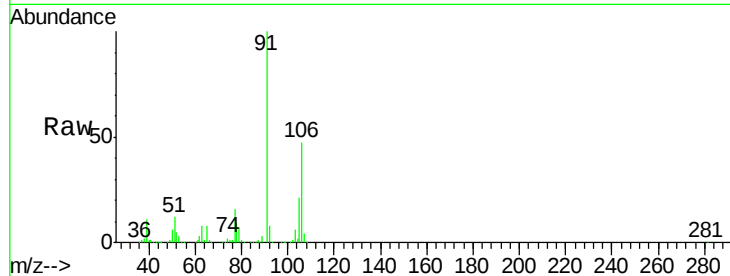
#59
m/p-Xylene
Concen: 19.86 ppbv m
RT: 14.74 min Scan# 1912
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 91 Resp: 5724704
Ion Ratio Lower Upper
91 100
106 46.3 37.9 56.9

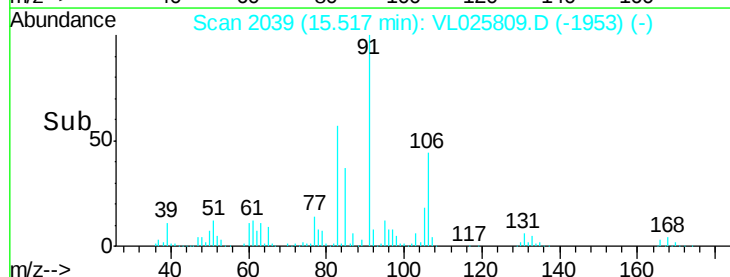
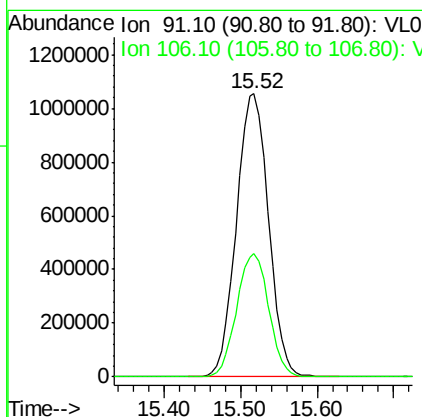
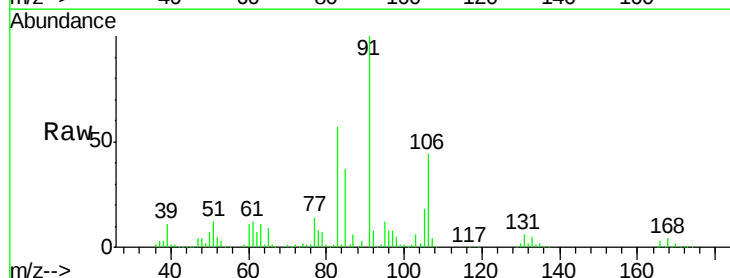
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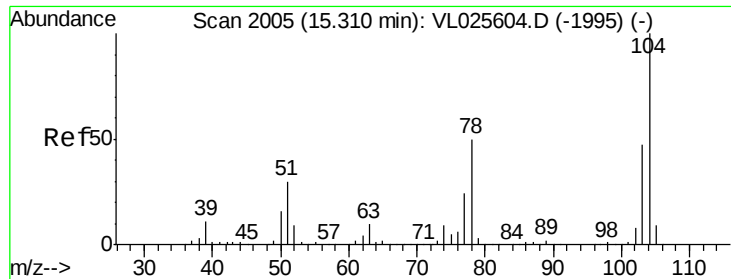
sam
8/4/2015 12:05:04 PM



#60
o-Xylene
Concen: 9.89 ppbv
RT: 15.52 min Scan# 2039
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 3069008
Ion Ratio Lower Upper
91 100
106 43.6 22.1 66.1





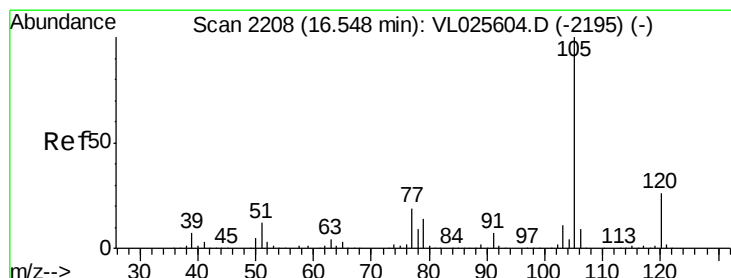
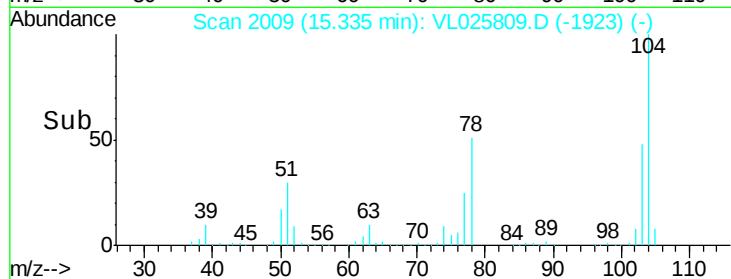
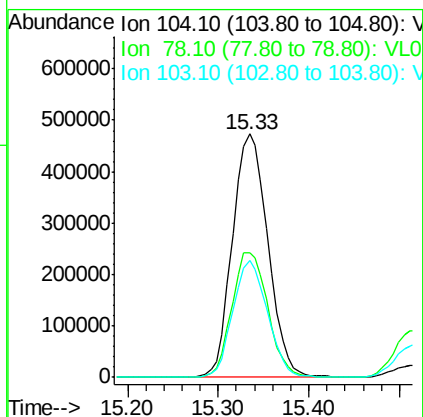
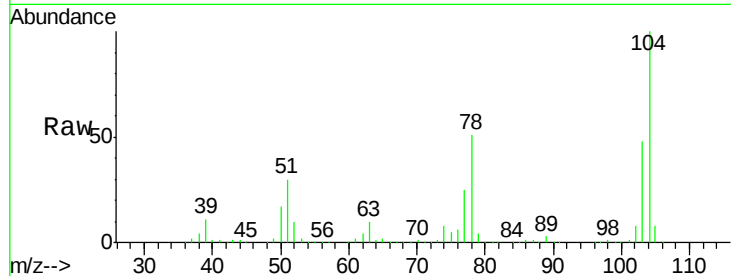
#61
Styrene
Concen: 11.83 ppbv
RT: 15.33 min Scan# 2009
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion:104 Resp: 1286191
Ion Ratio Lower Upper
104 100
78 52.0 40.2 60.4
103 46.9 37.4 56.2

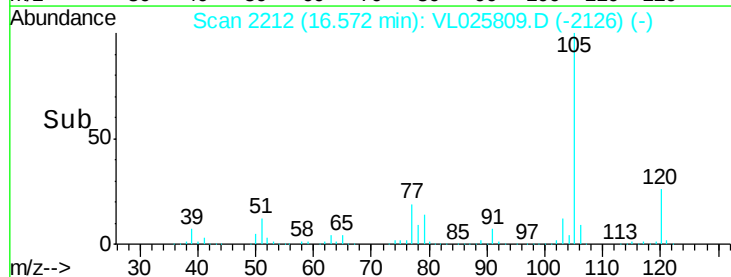
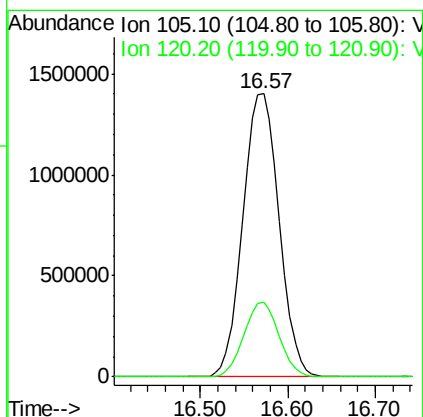
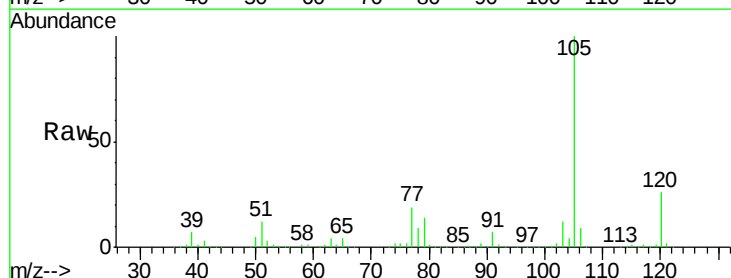
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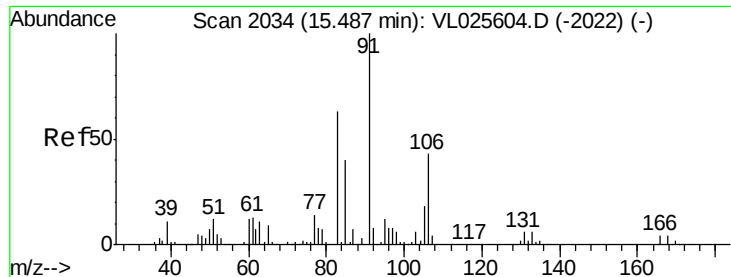
sam
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#62
Isopropylbenzene
Concen: 9.92 ppbv
RT: 16.57 min Scan# 2212
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion:105 Resp: 4024765
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 9.14 ppbv

RT: 15.51 min Scan# 2038

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 83 Resp: 1918809

Ion Ratio Lower Upper

83 100

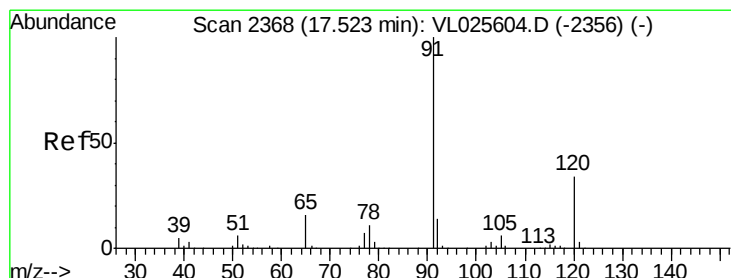
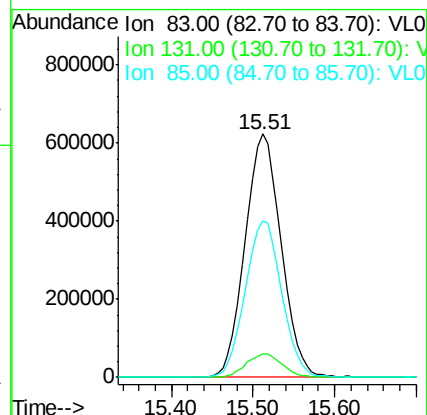
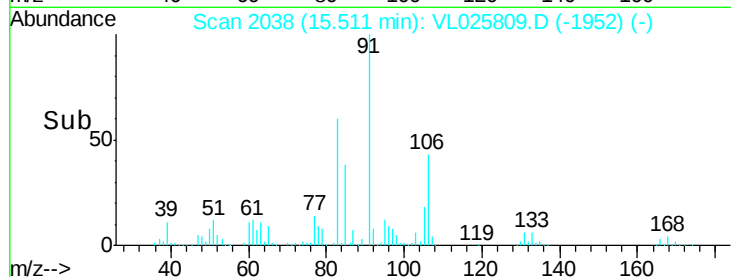
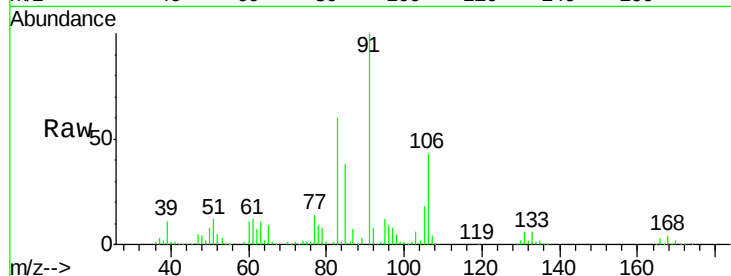
131 9.8 4.8 14.4

85 65.2 32.4 97.2

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#64

n-propylbenzene

Concen: 9.73 ppbv

RT: 17.55 min Scan# 2372

Delta R.T. 0.02 min

Lab File: VL025809.D

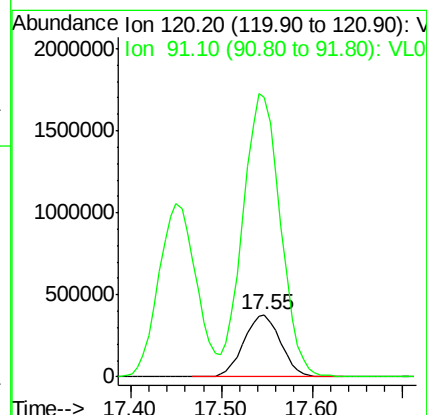
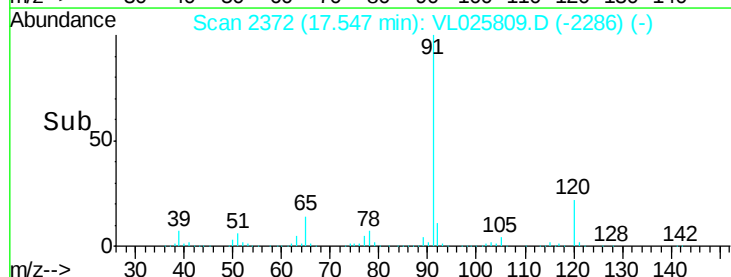
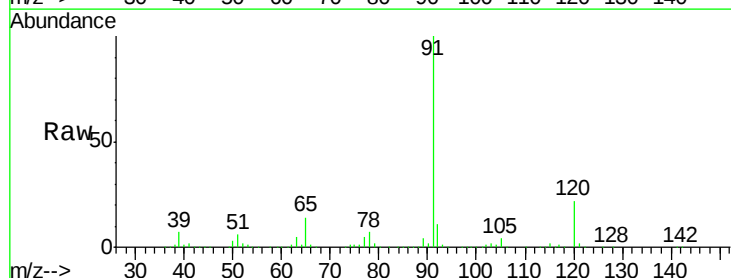
Acq: 31 Jul 2015 12:00

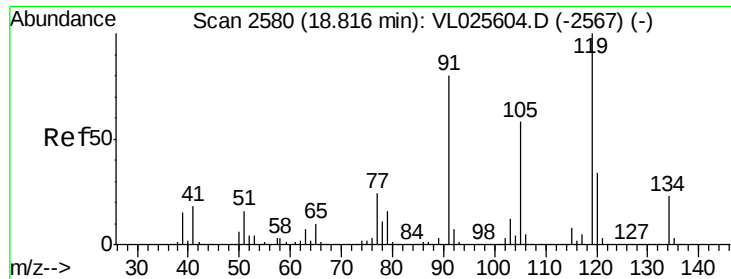
Tgt Ion: 120 Resp: 1067736

Ion Ratio Lower Upper

120 100

91 455.6 370.5 555.7





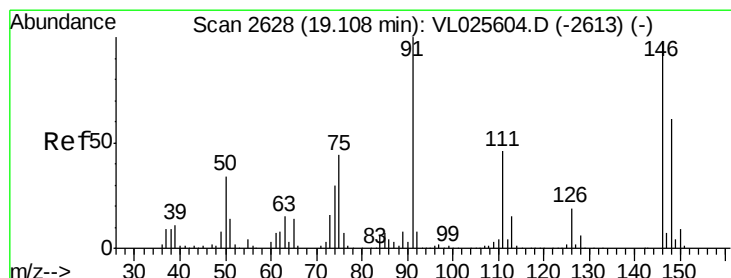
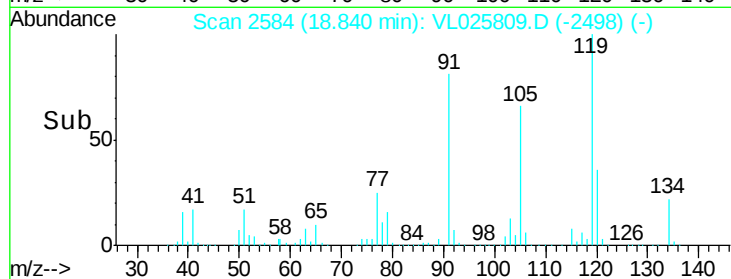
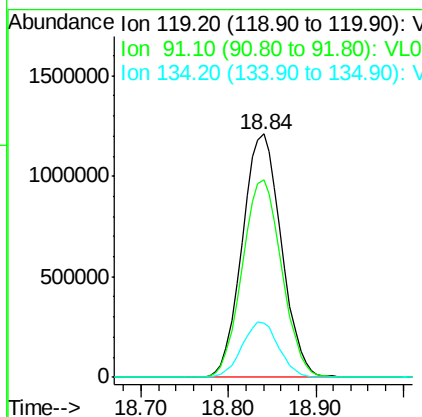
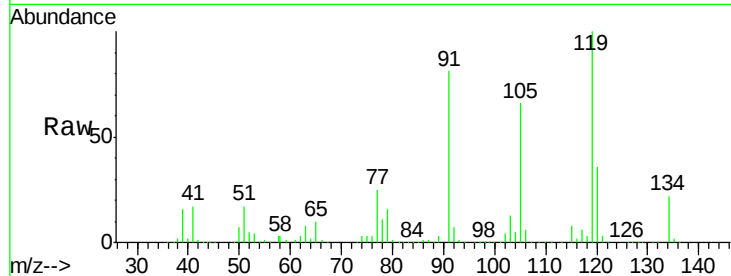
#65
tert-Butylbenzene
Concen: 9.44 ppbv
RT: 18.84 min Scan# 2584
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 119 Resp: 3759720
Ion Ratio Lower Upper
119 100
91 82.0 64.5 96.7
134 21.4 17.4 26.0

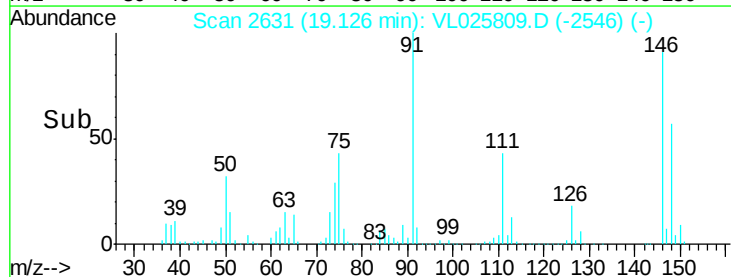
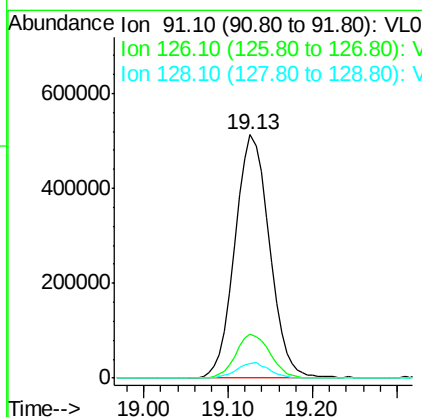
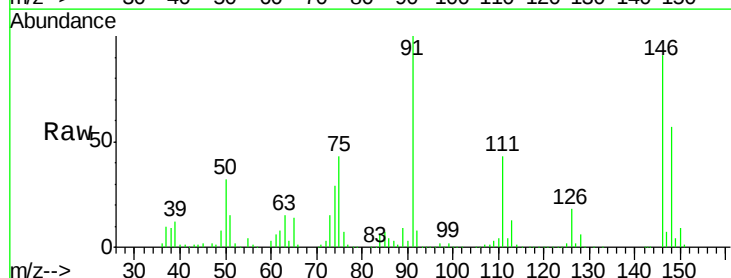
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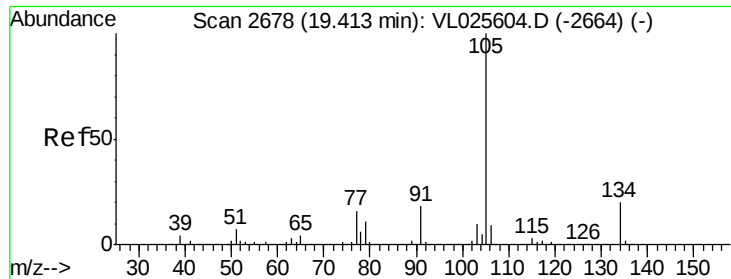
sam
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#66
Benzyl Chloride
Concen: 9.74 ppbv
RT: 19.13 min Scan# 2631
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 1423689
Ion Ratio Lower Upper
91 100
126 17.9 14.5 21.7
128 5.8 4.6 7.0





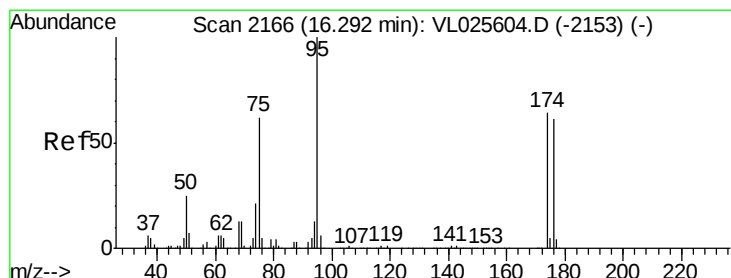
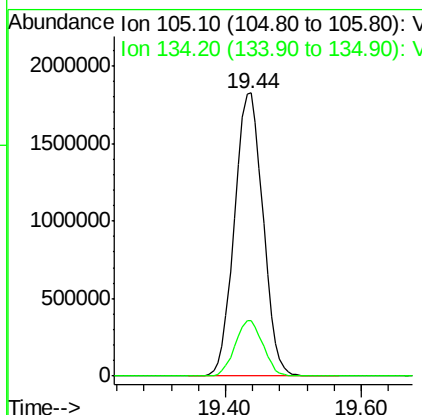
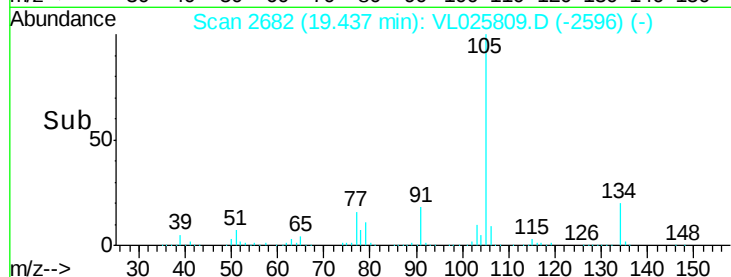
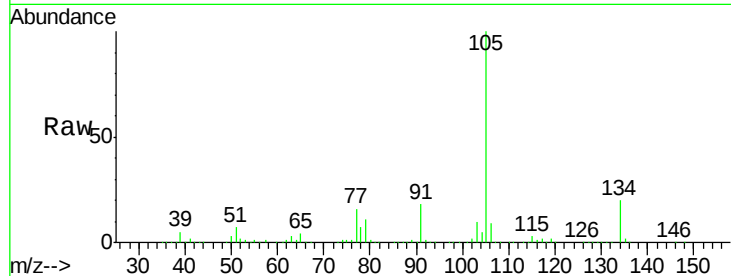
#67
 sec-Butylbenzene
 Concen: 9.52 ppbv
 RT: 19.44 min Scan# 2682
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion: 105 Resp: 5315574
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.4 23.2

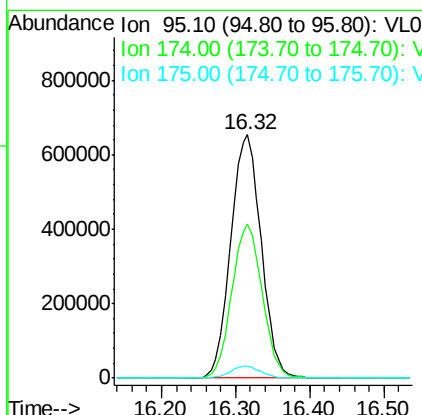
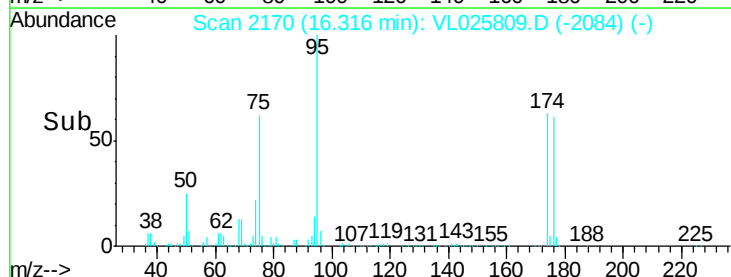
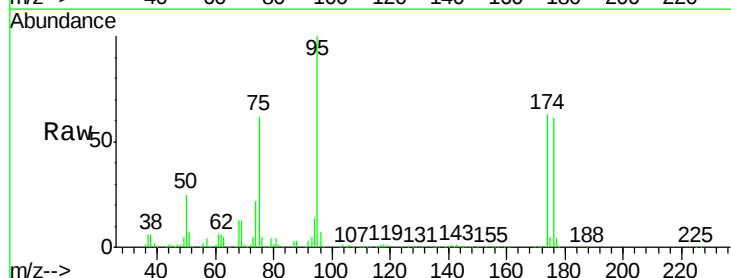
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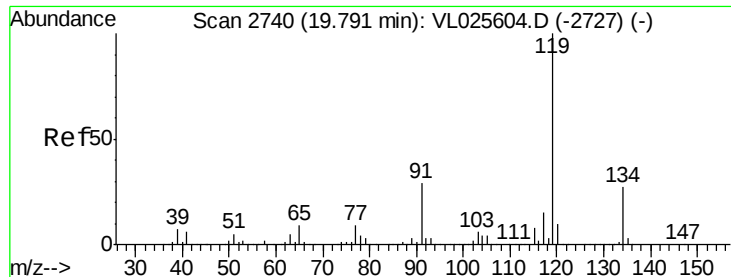
sam
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.20 ppbv
 RT: 16.32 min Scan# 2170
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion: 95 Resp: 1877314
 Ion Ratio Lower Upper
 95 100
 174 63.0 52.0 78.0
 175 4.9 3.9 5.9





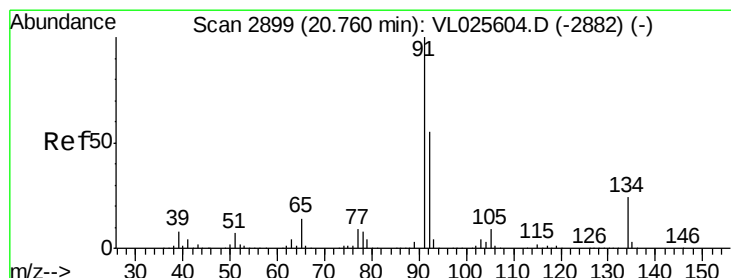
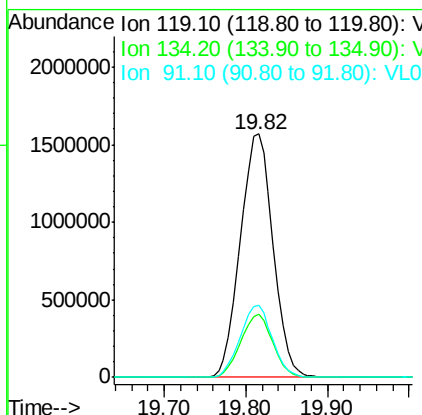
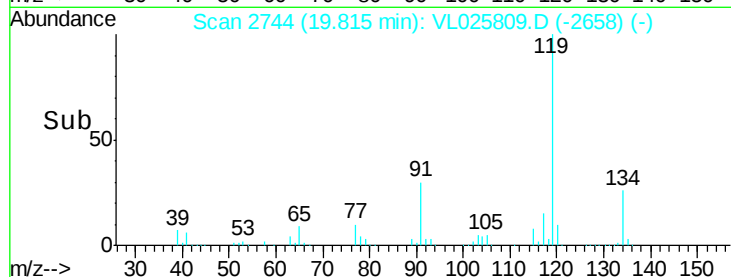
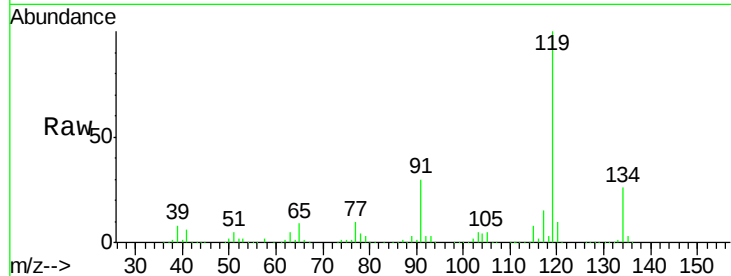
#69
p-Isopropyltoluene
Concen: 9.51 ppbv
RT: 19.82 min Scan# 2744
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion: 119 Resp: 4376234
Ion Ratio Lower Upper
119 100
134 25.5 20.7 31.1
91 29.0 22.6 34.0

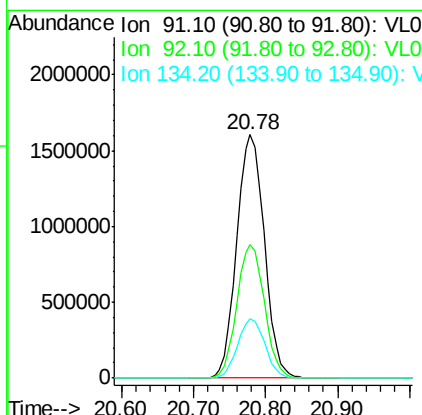
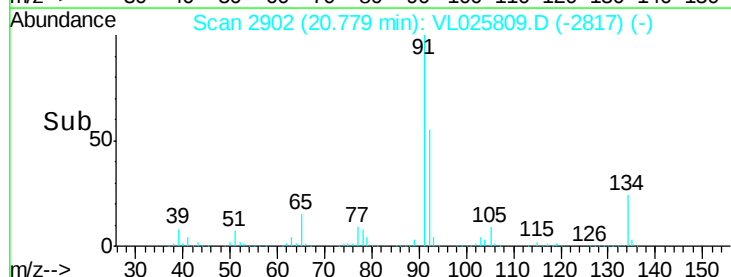
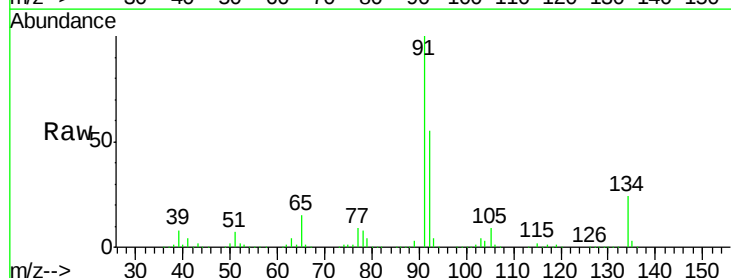
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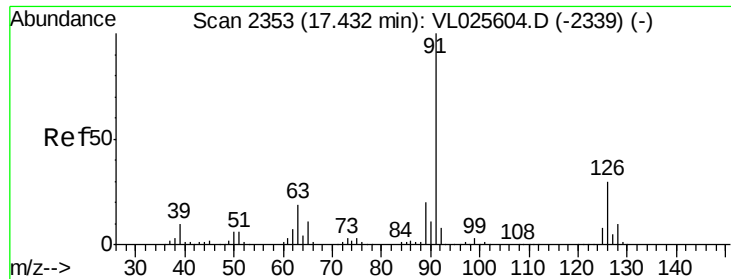
sam
8/4/2015 12:05:04 PM



#70
n-Butylbenzene
Concen: 9.19 ppbv
RT: 20.78 min Scan# 2902
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion: 91 Resp: 4286652
Ion Ratio Lower Upper
91 100
92 54.5 44.3 66.5
134 24.1 19.4 29.2





#71

2-Chlorotoluene

Concen: 10.32 ppbv

RT: 17.45 min Scan# 2356

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS02

Tgt Ion: 91 Resp: 3072668

Ion Ratio Lower Upper

91 100

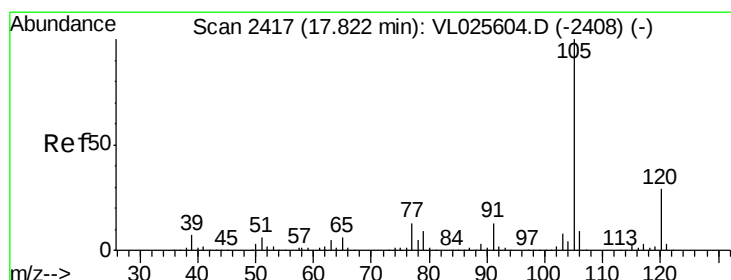
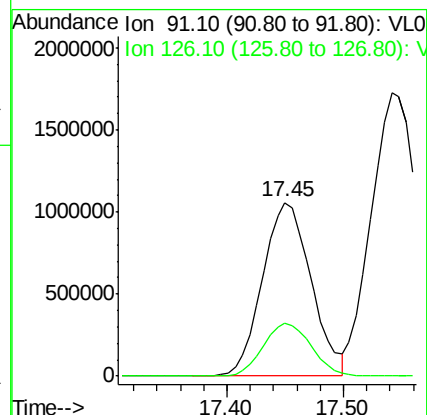
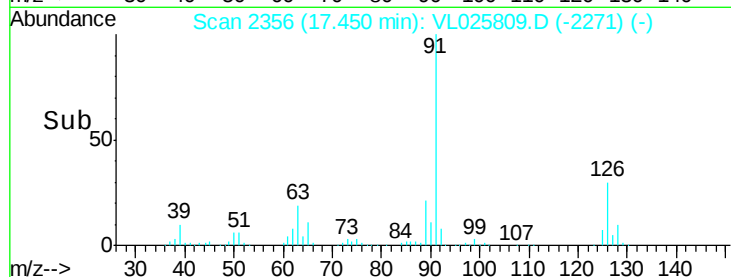
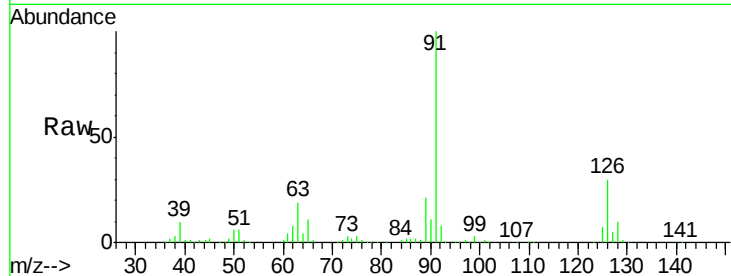
126 30.3 12.2 49.0

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sam

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#72

4-Ethyltoluene

Concen: 10.11 ppbv

RT: 17.85 min Scan# 2421

Delta R.T. 0.02 min

Lab File: VL025809.D

Acq: 31 Jul 2015 12:00

Tgt Ion: 105 Resp: 3470482

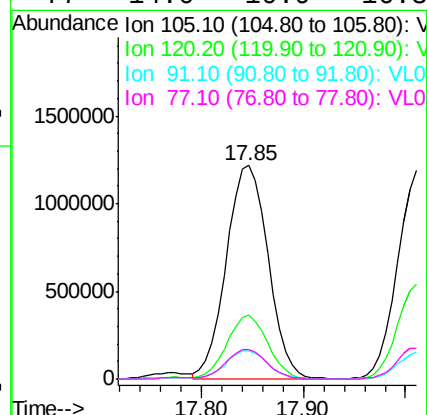
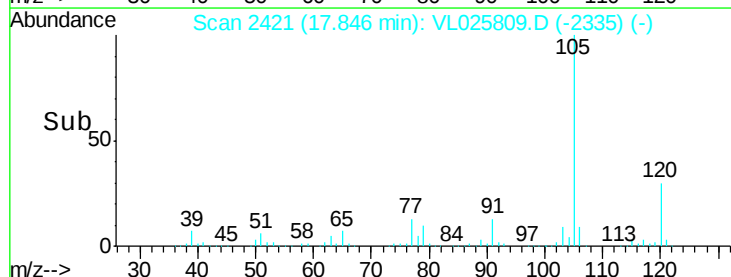
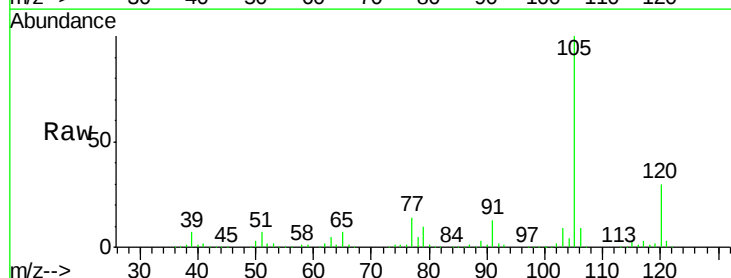
Ion Ratio Lower Upper

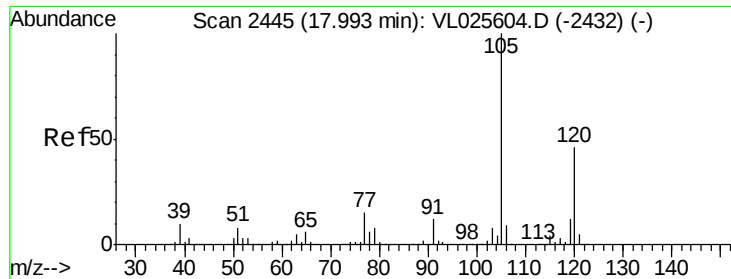
105 100

120 30.0 23.9 35.9

91 13.6 10.3 15.5

77 14.0 10.9 16.3





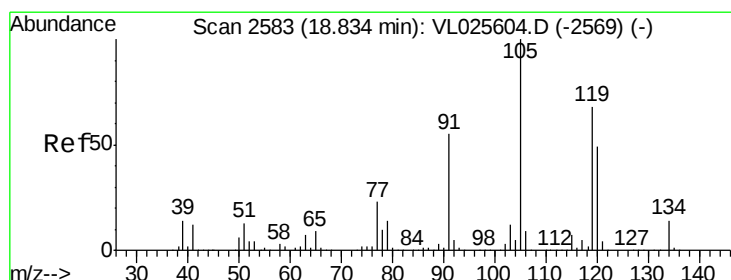
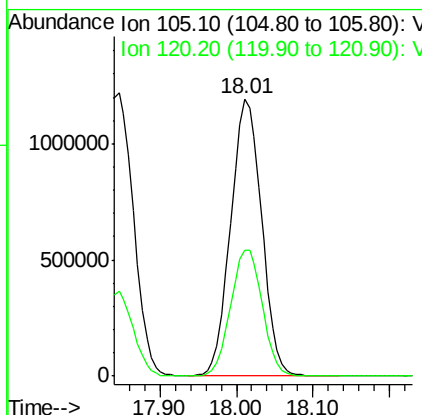
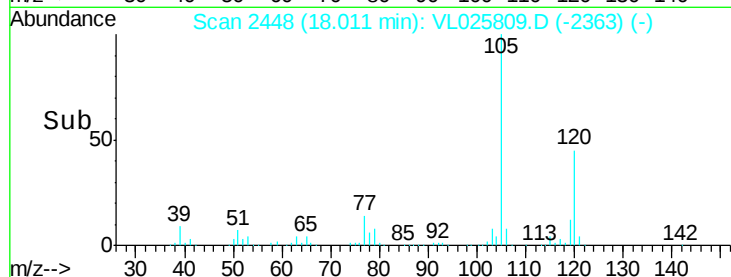
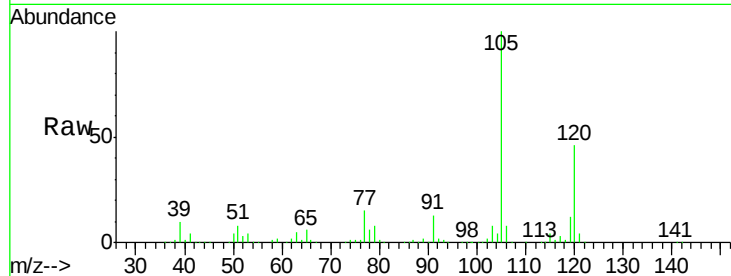
#73
 1,3,5-Trimethylbenzene
 Concen: 9.90 ppbv
 RT: 18.01 min Scan# 2448
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion:105 Resp: 3340046
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.0 55.4

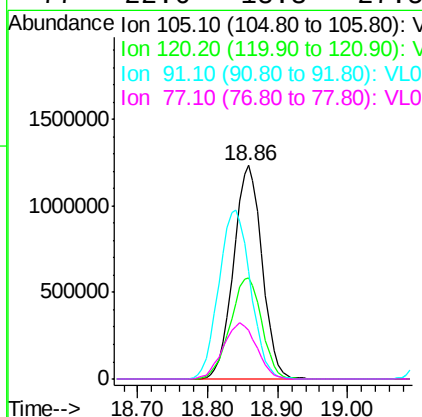
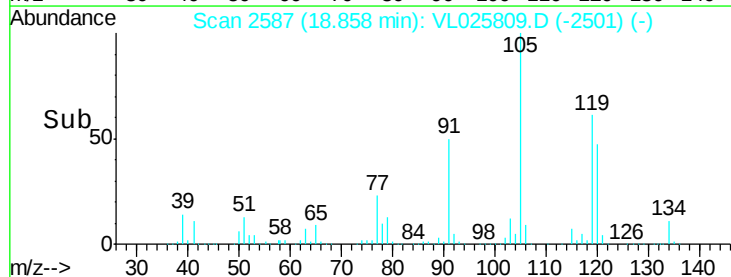
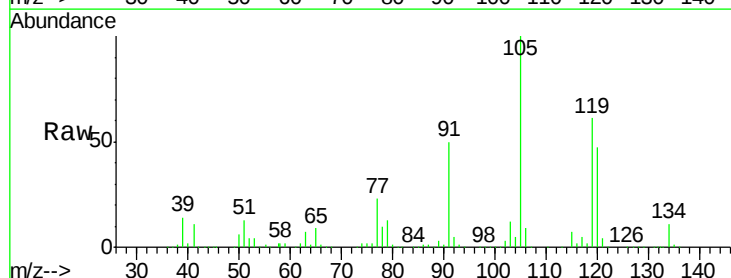
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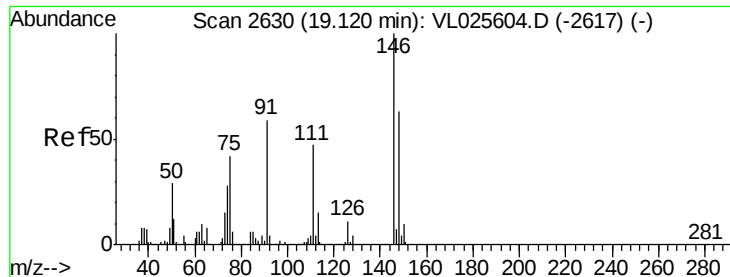
sam
 8/4/2015 12:05:04 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 9.26 ppbv
 RT: 18.86 min Scan# 2587
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion:105 Resp: 3500099
 Ion Ratio Lower Upper
 105 100
 120 47.2 39.3 58.9
 91 50.3 43.8 65.6
 77 22.6 18.3 27.5





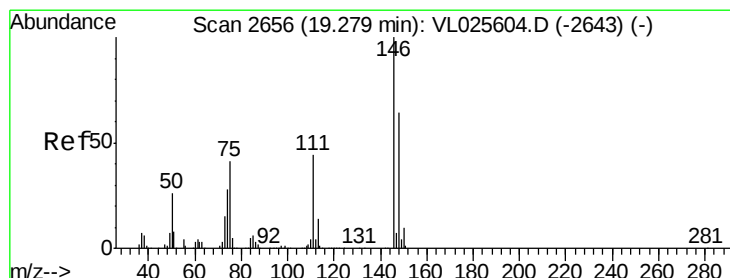
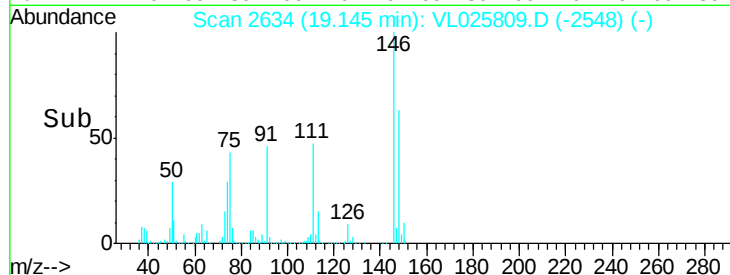
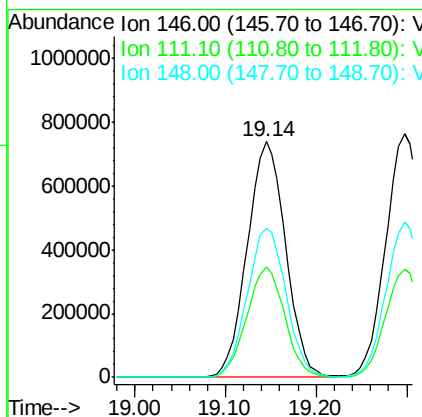
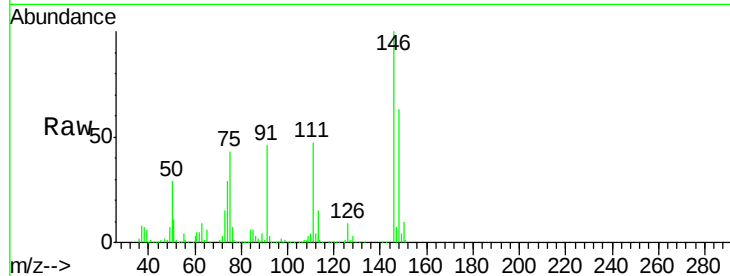
#75
 1,3-Dichlorobenzene
 Concen: 8.81 ppbv
 RT: 19.14 min Scan# 2634
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion:146 Resp: 2167042
 Ion Ratio Lower Upper
 146 100
 111 46.3 22.7 68.1
 148 64.1 31.8 95.3

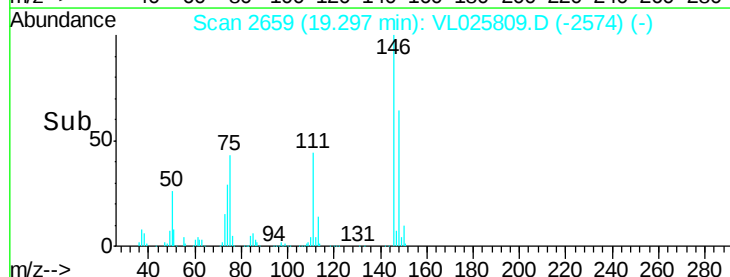
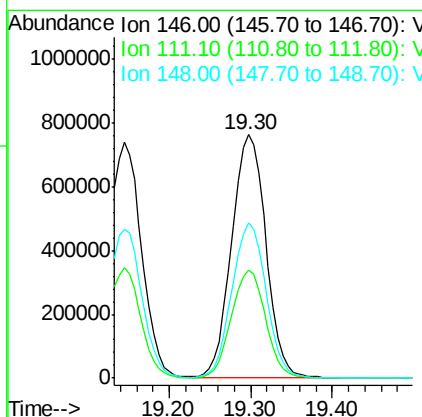
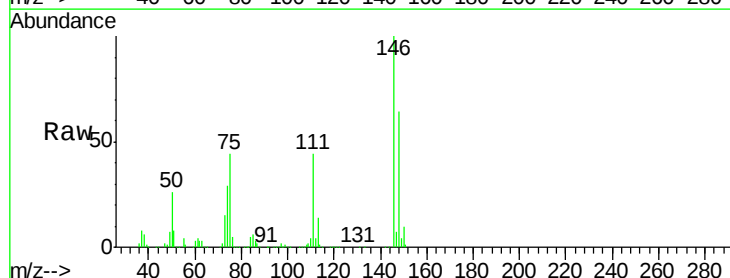
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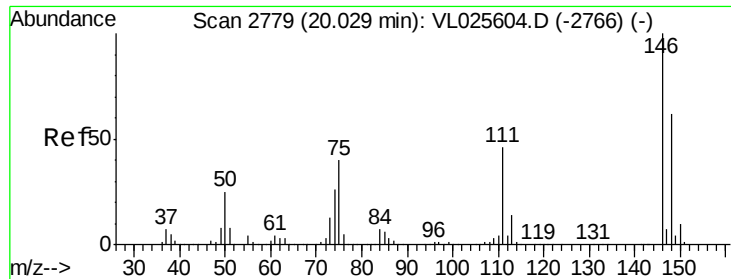
sam
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#76
 1,4-Dichlorobenzene
 Concen: 9.01 ppbv
 RT: 19.30 min Scan# 2659
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion:146 Resp: 2220530
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.1 66.1
 148 64.2 31.9 95.9





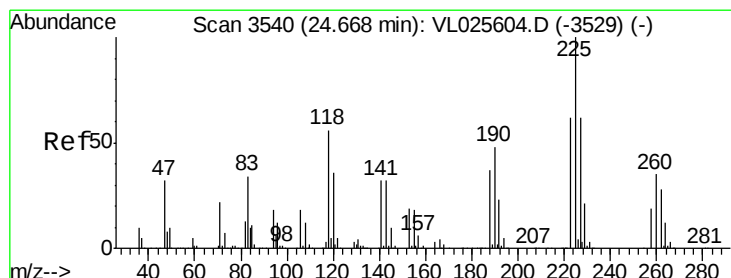
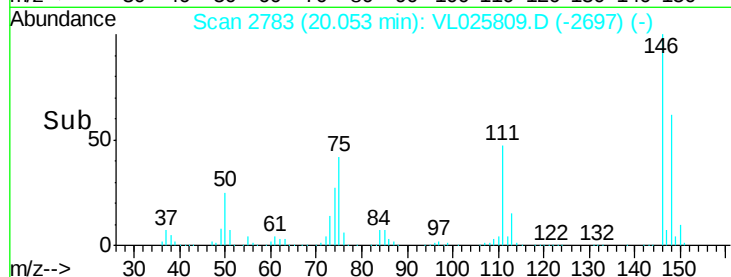
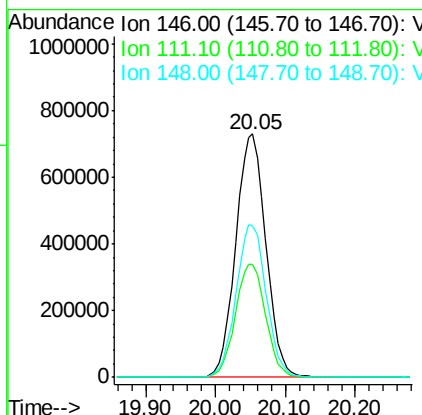
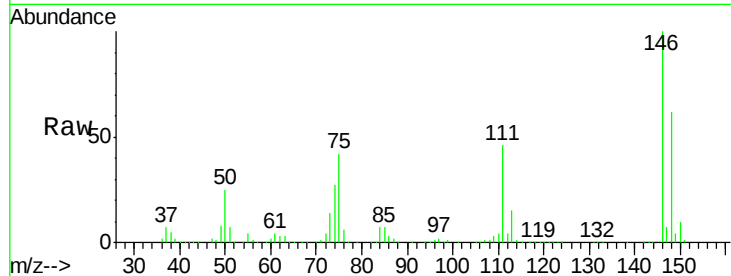
#77
 1,2-Dichlorobenzene
 Concen: 8.94 ppbv
 RT: 20.05 min Scan# 2783
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion:146 Resp: 2181953
 Ion Ratio Lower Upper
 146 100
 111 46.9 23.4 70.3
 148 63.0 31.6 94.8

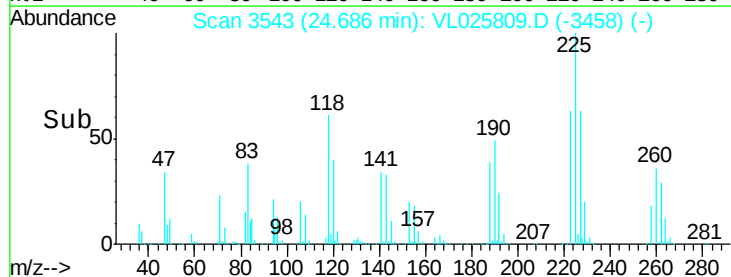
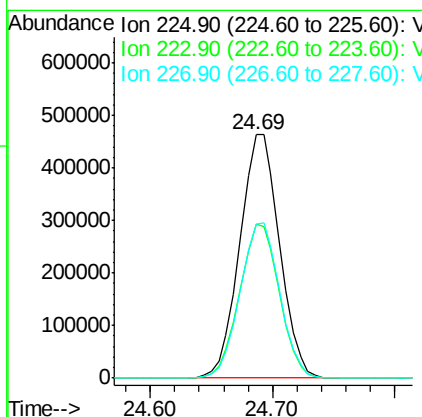
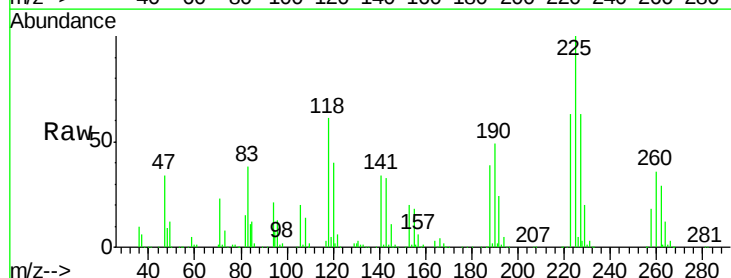
Manual Integrations
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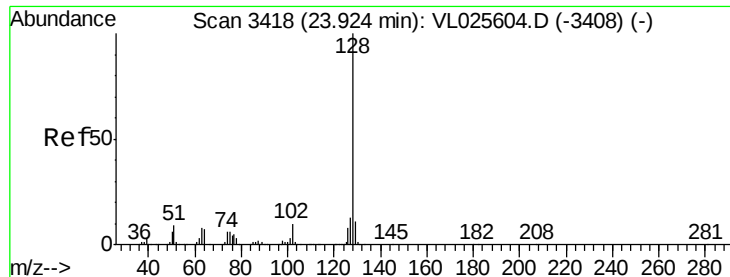
sam
 8/4/2015 12:05:04 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.97 ppbv
 RT: 24.69 min Scan# 3543
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Tgt Ion:225 Resp: 1047102
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.6 76.0
 227 63.6 50.5 75.7





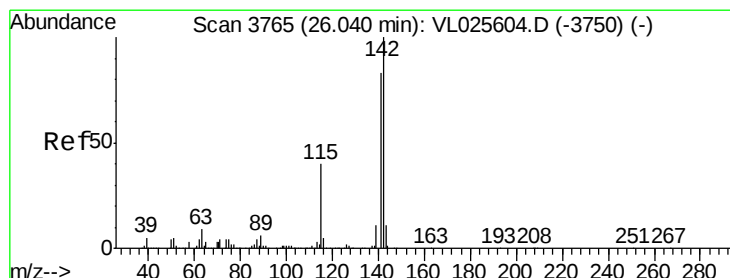
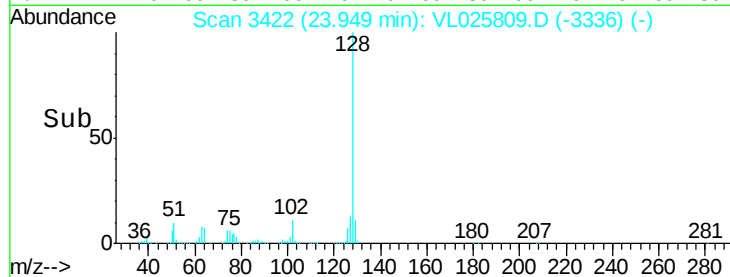
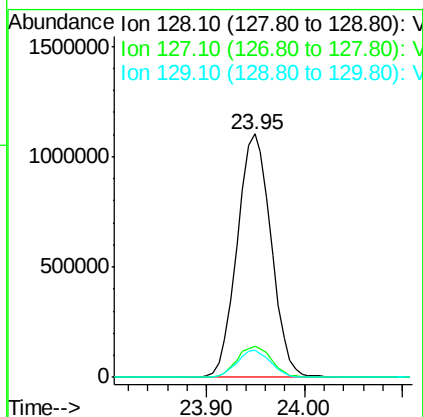
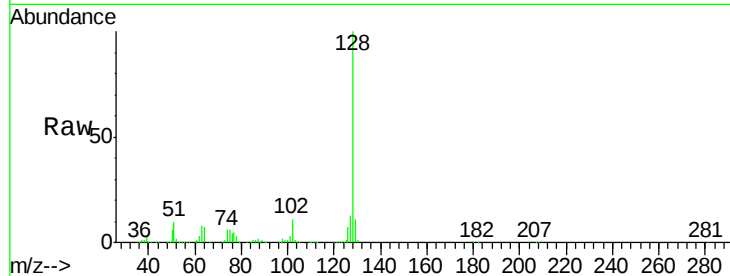
#79
Naphthalene
Concen: 7.29 ppbv
RT: 23.95 min Scan# 3422
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.8	16.2
129	11.0	9.0	13.4

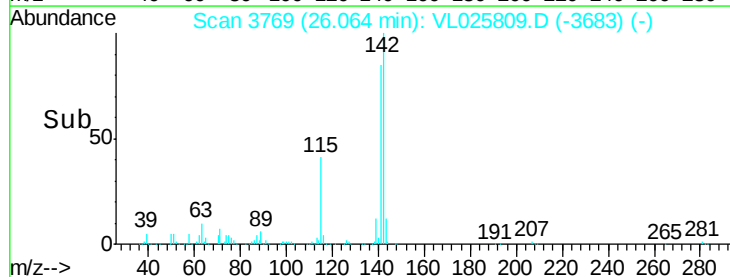
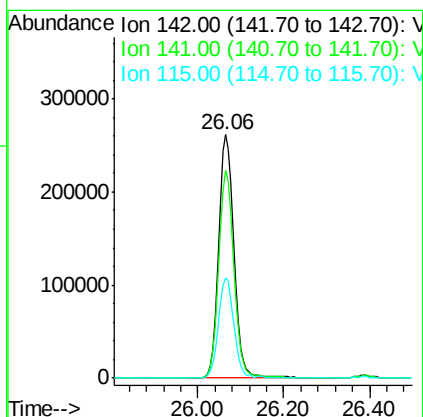
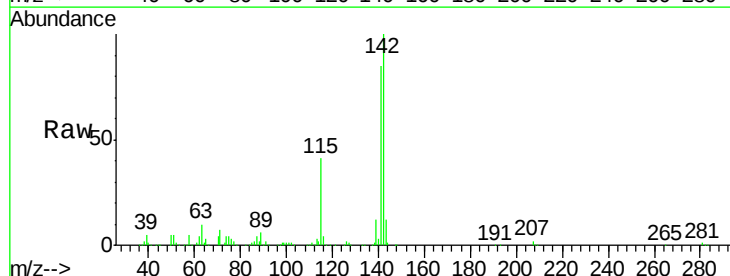
Manual Integrations
APPROVED

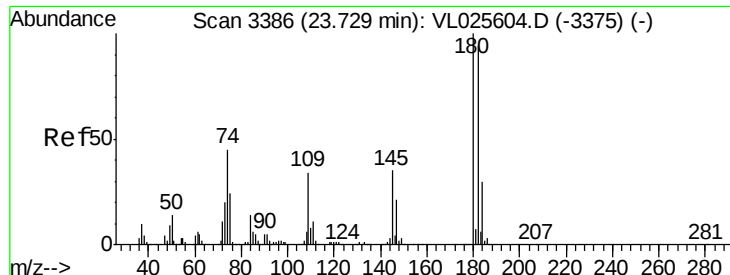
sam
8/4/2015 12:05:04 PM



#80
Naphthalene, 2-methyl-
Concen: 6.27 ppbv
RT: 26.06 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VL025809.D
Acq: 31 Jul 2015 12:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	67.1	100.7
115	41.9	33.9	50.9





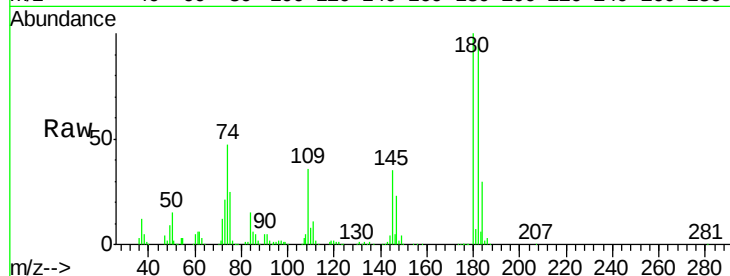
#81
 1,2,4-Trichlorobenzene
 Concen: 7.22 ppbv
 RT: 23.75 min Scan# 3389
 Delta R.T. 0.02 min
 Lab File: VL025809.D
 Acq: 31 Jul 2015 12:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.1	114.1
184	30.3	24.4	36.6

Manual Integrations
 APPROVED

sam
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

