

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025808.D
 Acq On : 31 Jul 2015 11:21
 Operator : SY/MD
 Sample : VL0731ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Manual Integrations
 APPROVED

sam
 8/4/2015 12:03:34 PM

Quant Time: Aug 04 12:13:35 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	583578	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1580603	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.77	117	2035700m	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	1840783	10.72	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.65	85	894164	5.92	ppbv	98
3) Chlorodifluoromethane	3.57	51	630125	7.66	ppbv	98
4) Chloromethane	3.76	50	300541	8.01	ppbv	99
5) Vinyl Chloride	3.89	62	327842	8.09	ppbv	99
6) Bromomethane	4.15	94	284110	8.64	ppbv	99
7) Chloroethane	4.25	64	150368	7.97	ppbv	96
8) Dichlorotetrafluoroethane	3.81	85	1081671	8.16	ppbv	99
9) Propene	3.60	41	197629	7.23	ppbv	98
10) Heptane	9.37	43	921396	8.66	ppbv	100
11) Trichlorofluoromethane	4.70	101	1704526	8.69	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	968816	8.62	ppbv	100
13) Ethanol	4.33	45	26265m	6.18	ppbv	
14) Bromoethene	4.46	108	306940	8.32	ppbv	97
15) Acetone	4.60	43	1260078	12.22	ppbv	98
16) 1,3-Butadiene	3.98	39	332810	8.11	ppbv	98
17) tert-Butyl alcohol	5.13	59	779003	9.01	ppbv	100
18) 1,1-Dichloroethene	5.09	96	370089	8.60	ppbv	96
19) Isopropyl Alcohol	4.75	45	304996	7.41	ppbv #	95
20) Methylene Chloride	5.16	84	330130	7.88	ppbv	93
21) Allyl Chloride	5.23	41	510336	7.91	ppbv	94
22) trans-1,2-Dichloroethene	5.78	96	357783	8.14	ppbv	97
23) Vinyl Acetate	5.99	43	1452622	9.30	ppbv	98
24) 1,1-Dichloroethane	5.92	63	856588	8.18	ppbv	99
25) Ethyl Acetate	6.68	43	1292012	8.28	ppbv	99
26) Hexane	6.67	57	601405	8.19	ppbv	97
27) Carbon Disulfide	5.40	76	1026544	8.63	ppbv	98
28) Methyl tert-Butyl Ether	5.96	73	1258012	8.61	ppbv	99
29) Chloroform	6.76	83	1230277	8.48	ppbv	98
30) Cyclohexane	8.30	84	614837	8.76	ppbv	98
31) cis-1,2-Dichloroethene	6.53	61	637902	8.74	ppbv	99
32) 1,1,1-Trichloroethane	7.61	97	1400910	8.89	ppbv	99
34) 2-Butanone	6.21	43	802686	8.95	ppbv	99
35) Carbon Tetrachloride	8.18	117	1498469	8.90	ppbv	98
36) Benzene	8.04	78	1317428	8.70	ppbv	99
37) 1,2-Dichloroethane	7.38	62	1113335	8.61	ppbv	99
38) Trichloroethene	9.08	130	628694	8.93	ppbv	97
39) 1,2-Dichloropropane	8.84	63	465251	8.32	ppbv	92
40) 1,4-Dioxane	9.15	88	62206m	7.09	ppbv	
41) Tetrahydrofuran	7.13	42	387277	8.65	ppbv	99
42) Bromodichloromethane	9.04	83	1405258	9.01	ppbv	99
43) Methyl Methacrylate	9.27	69	550503	9.48	ppbv	100

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sam
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Quant Time: Aug 04 12:13:35 2015

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

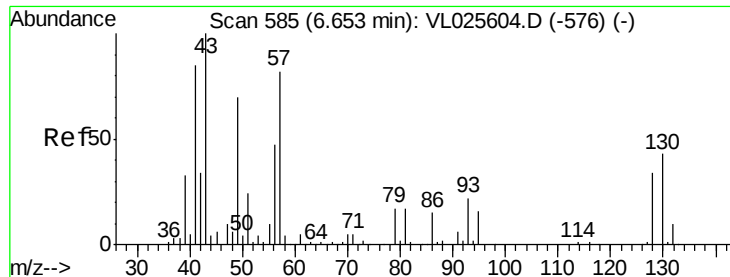
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08

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	2265043	8.72	ppbv	98
45) t-1,3-Dichloropropene	10.66	75	919817	9.41	ppbv	99
46) cis-1,3-Dichloropropene	10.04	75	1016562	9.41	ppbv	99
47) 1,1,2-Trichloroethane	10.90	97	676593	8.70	ppbv	98
48) Dibromochloromethane	11.82	129	1289771	9.26	ppbv	100
49) Bromoform	14.83	173	1052197	9.17	ppbv	99
50) 4-Methyl-2-Pentanone	10.10	43	1222610	9.46	ppbv	100
51) 2-Hexanone	11.63	43	1163232	10.04	ppbv #	98
52) Tetrachloroethene	12.81	164	707903	9.32	ppbv	99
53) Toluene	11.26	91	1988133	9.34	ppbv	100
54) 1,2-Dibromoethane	12.16	107	1121152	8.91	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.80	131	985579	8.96	ppbv	98
57) Chlorobenzene	13.83	112	1816596	8.39	ppbv	99
58) Ethyl Benzene	14.43	91	3213774	9.56	ppbv	99
59) m/p-Xylene	14.73	91	5348883	18.10	ppbv	98
60) o-Xylene	15.51	91	2861366	8.99	ppbv	99
61) Styrene	15.33	104	1196883	10.74	ppbv	99
62) Isopropylbenzene	16.57	105	3880926	9.33	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.51	83	1758045	8.17	ppbv	99
64) n-propylbenzene	17.54	120	1042381	9.27	ppbv	97
65) tert-Butylbenzene	18.83	119	3688682	9.03	ppbv	98
66) Benzyl Chloride	19.12	91	1165604	7.78	ppbv	99
67) sec-Butylbenzene	19.43	105	5266992	9.21	ppbv	100
69) p-Isopropyltoluene	19.81	119	4550969	9.65	ppbv	99
70) n-Butylbenzene	20.78	91	4524682	9.46	ppbv	99
71) 2-Chlorotoluene	17.45	91	2944645	9.65	ppbv	100
72) 4-Ethyltoluene	17.84	105	3396982	9.66	ppbv	99
73) 1,3,5-Trimethylbenzene	18.01	105	3282217	9.49	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	3486603	9.00	ppbv	99
75) 1,3-Dichlorobenzene	19.14	146	2178403	8.64	ppbv	99
76) 1,4-Dichlorobenzene	19.29	146	2225395	8.81	ppbv	99
77) 1,2-Dichlorobenzene	20.05	146	2184445	8.73	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	1246130	8.10	ppbv	99
79) Naphthalene	23.94	128	3132682	8.38	ppbv	99
80) Naphthalene,2-methyl-	26.05	142	546978	5.03	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	1637344	9.13	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025808.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 49 Resp: 583578
Ion Ratio Lower Upper

49 100

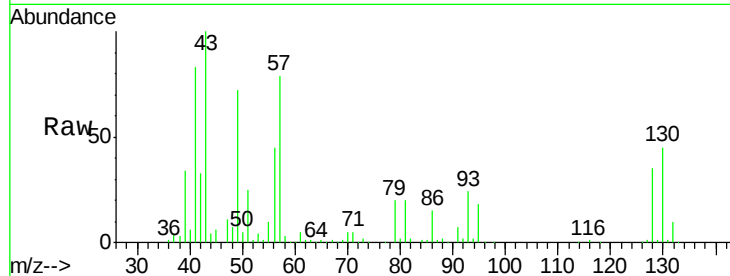
128 51.2 25.4 76.0

130 64.7 31.9 95.9

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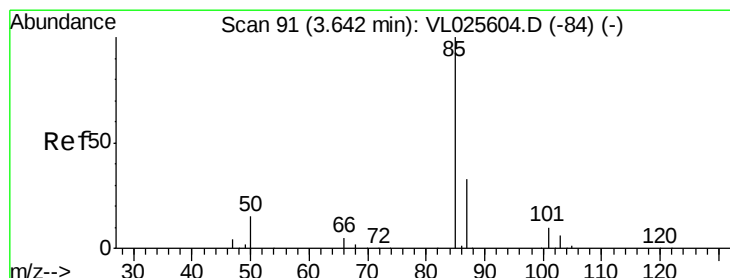
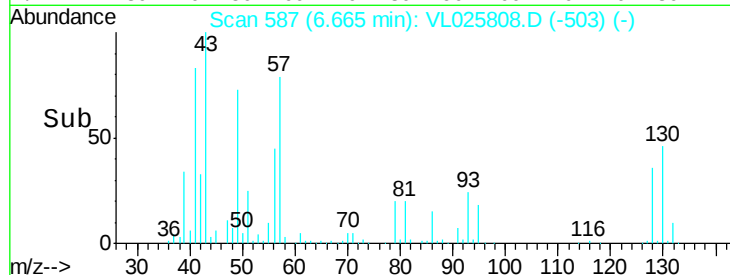
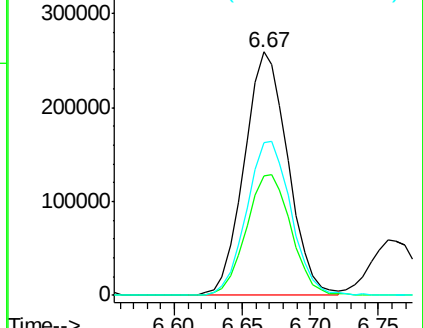
8/4/2015 12:03:34 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.92 ppbv

RT: 3.65 min Scan# 92

Delta R.T. 0.01 min

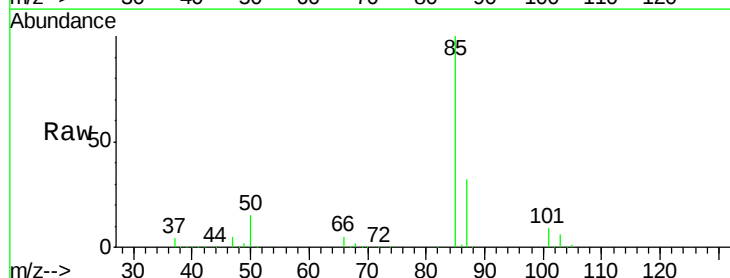
Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Tgt Ion: 85 Resp: 894164
Ion Ratio Lower Upper

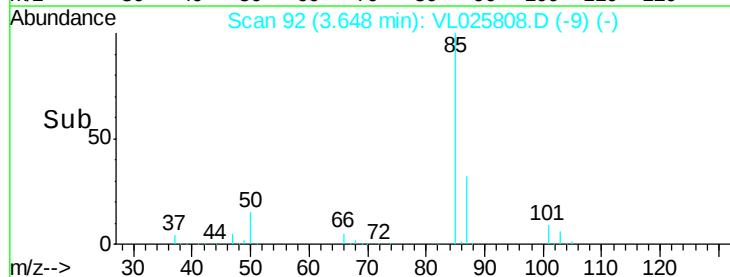
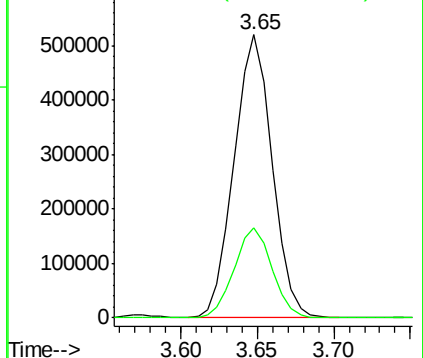
85 100

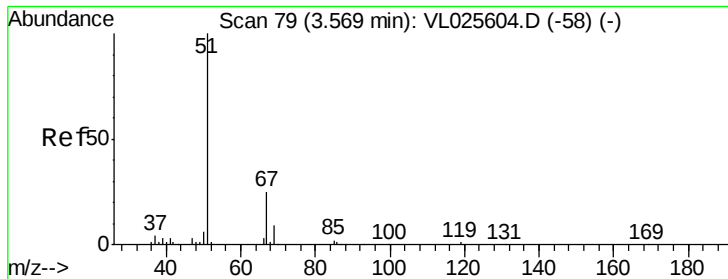
87 31.9 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.66 ppbv

RT: 3.57 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

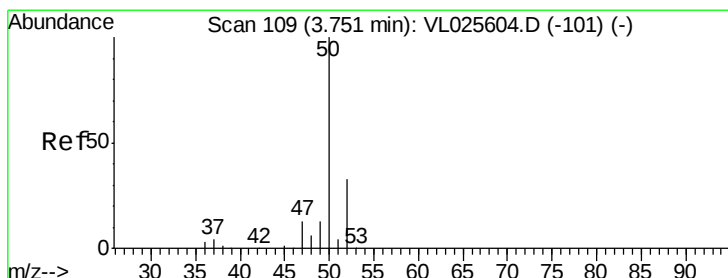
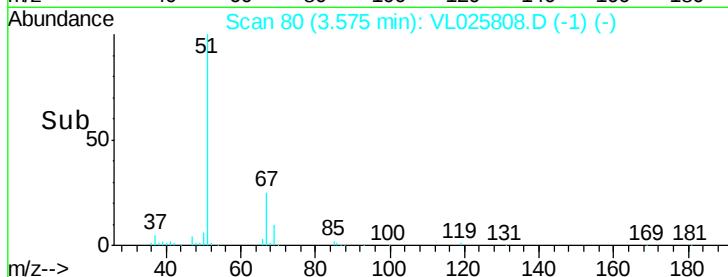
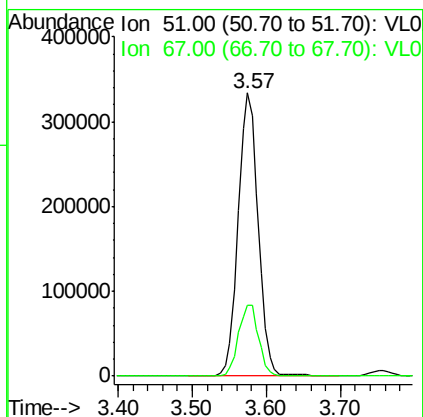
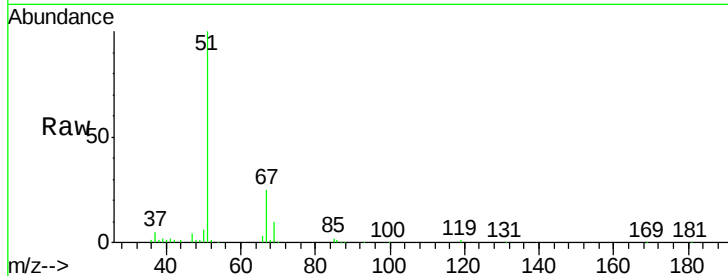
ClientSampleId :

VL0731ABS01

Tgt Ion	Ratio	Lower	Upper
51	100		
67	25.4	19.5	29.3

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#4

Chloromethane

Concen: 8.01 ppbv

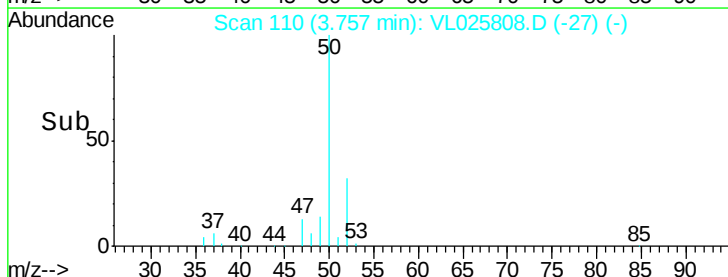
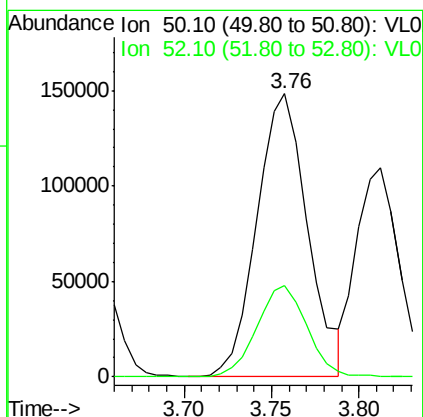
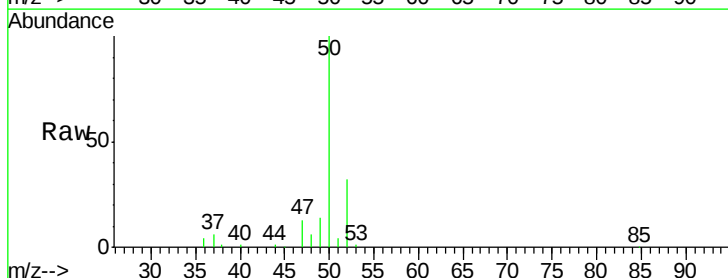
RT: 3.76 min Scan# 110

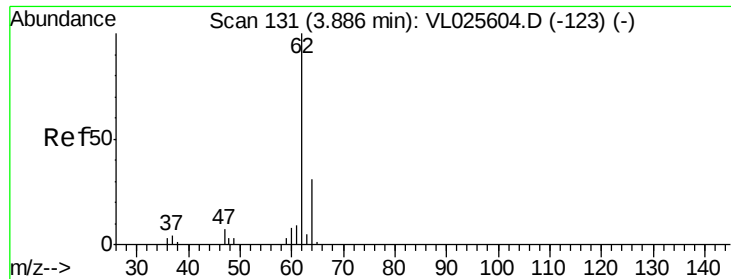
Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.4	26.2	39.2





#5

Vinyl Chloride

Concen: 8.09 ppbv

RT: 3.89 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 62 Resp: 327842

Ion Ratio Lower Upper

62 100

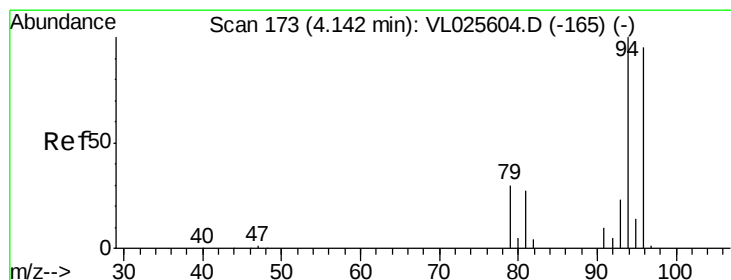
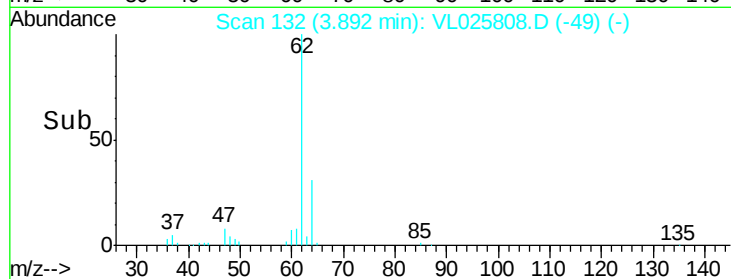
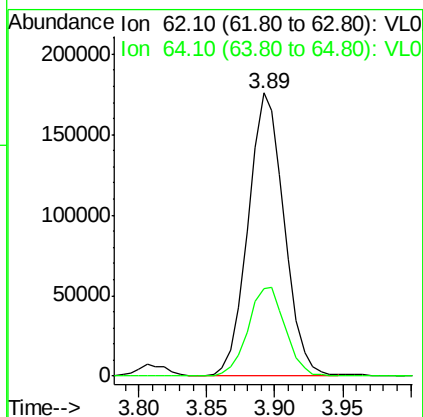
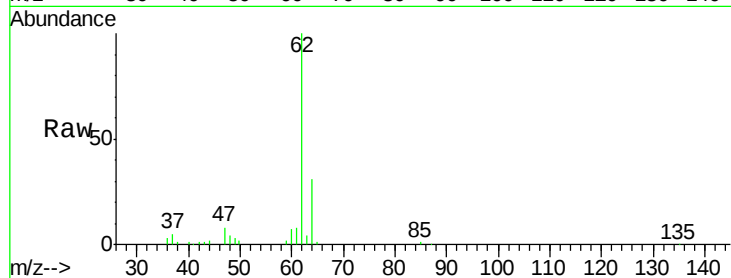
64 30.9 25.0 37.6

Manual Integrations

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#6

Bromomethane

Concen: 8.64 ppbv

RT: 4.15 min Scan# 174

Delta R.T. 0.01 min

Lab File: VL025808.D

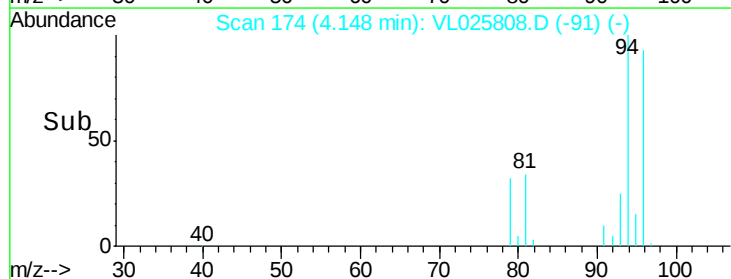
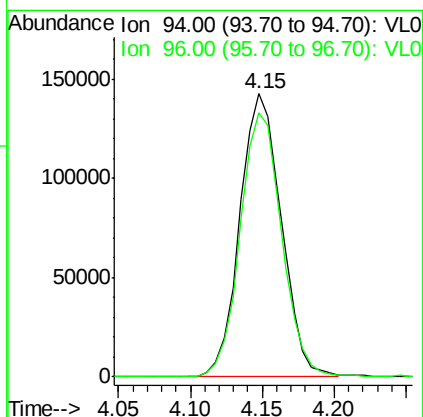
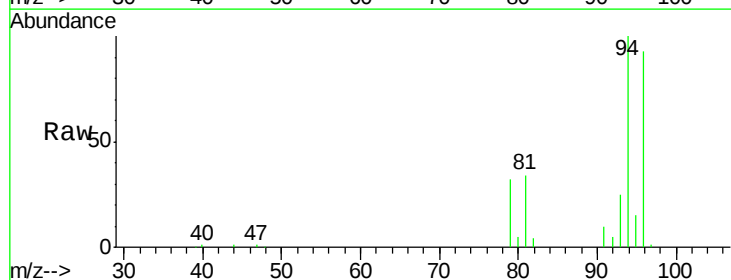
Acq: 31 Jul 2015 11:21

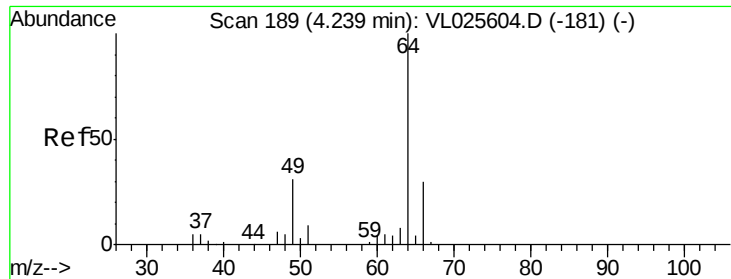
Tgt Ion: 94 Resp: 284110

Ion Ratio Lower Upper

94 100

96 93.5 75.9 113.9





#7

Chloroethane

Concen: 7.97 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 64 Resp: 150368

Ion Ratio Lower Upper

64 100

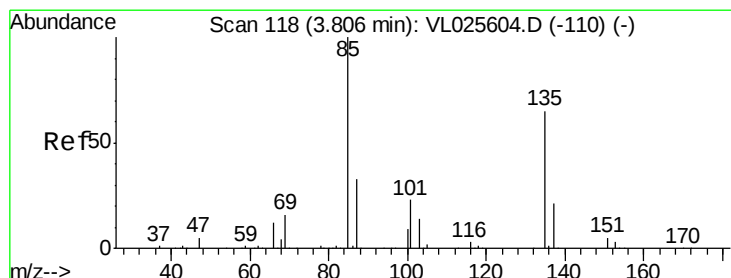
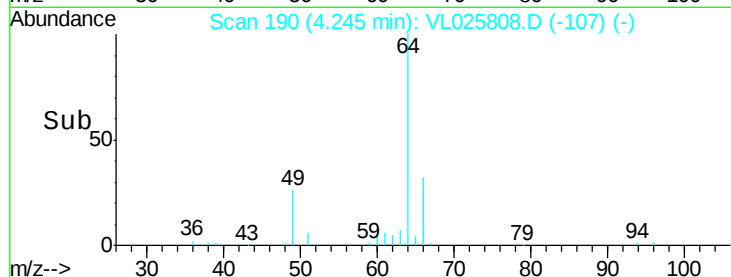
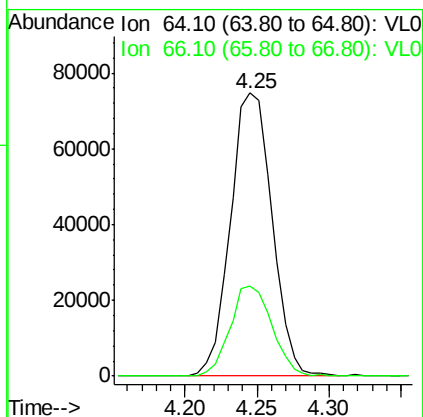
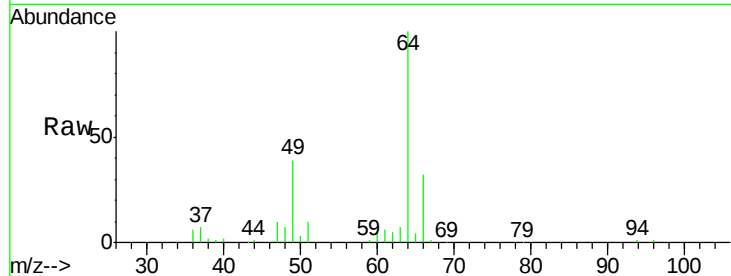
66 31.7 23.8 35.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.16 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL025808.D

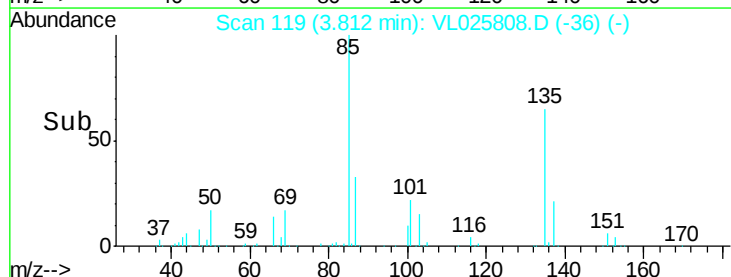
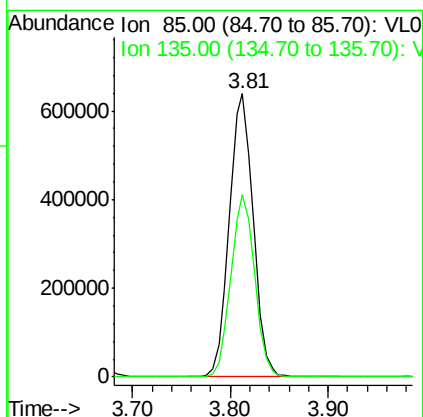
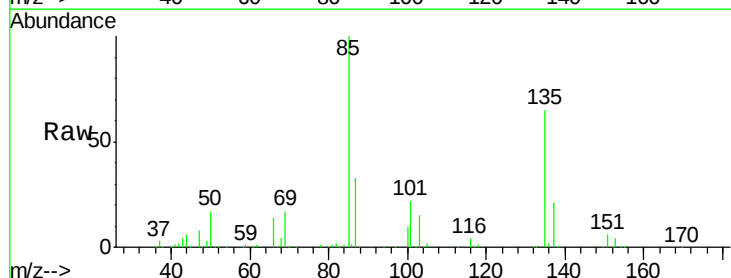
Acq: 31 Jul 2015 11:21

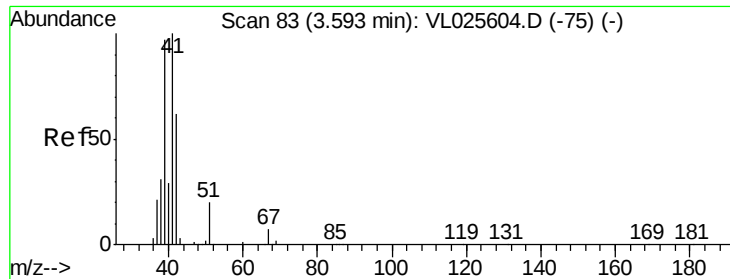
Tgt Ion: 85 Resp: 1081671

Ion Ratio Lower Upper

85 100

135 64.3 52.2 78.4





#9

Propene

Concen: 7.23 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 41 Resp: 197629

Ion Ratio Lower Upper

41 100

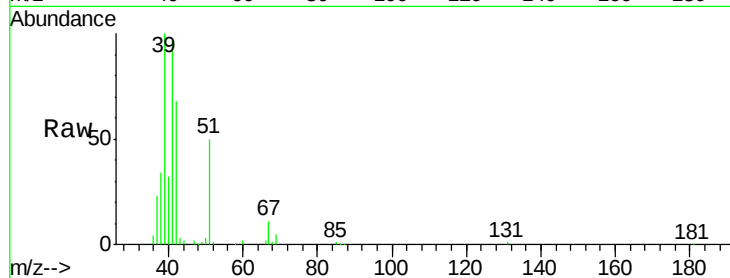
42 67.3 52.4 78.6

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

3.60

120000

100000

80000

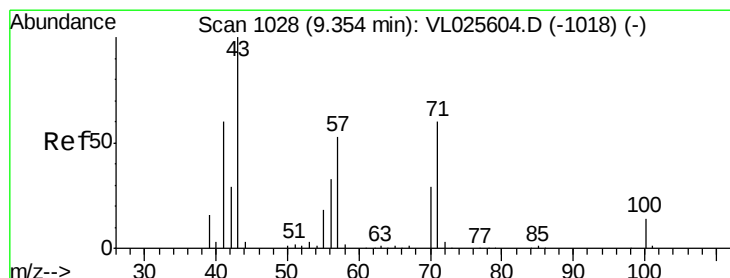
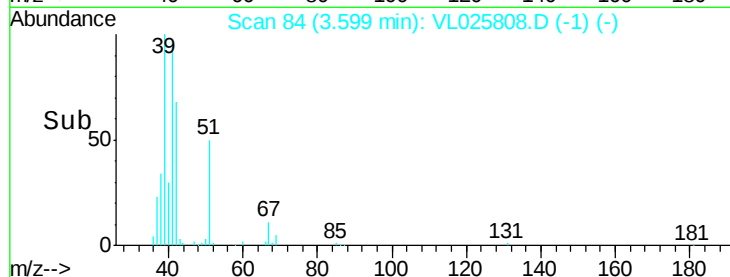
60000

40000

20000

0

Time--> 3.50 3.55 3.60 3.65 3.70



#10

Heptane

Concen: 8.66 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VL025808.D

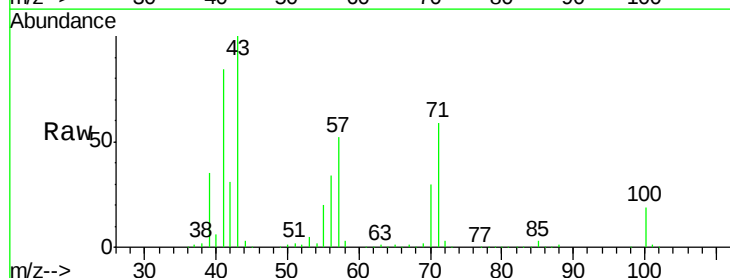
Acq: 31 Jul 2015 11:21

Tgt Ion: 43 Resp: 921396

Ion Ratio Lower Upper

43 100

57 53.2 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

9.37

400000

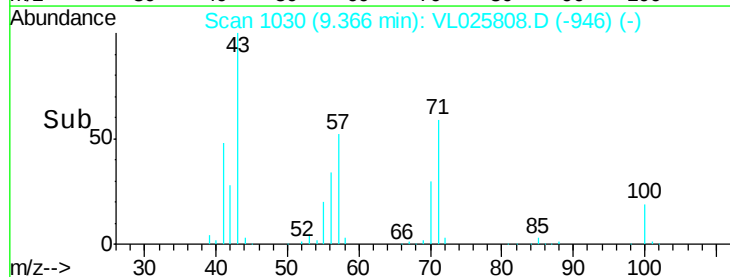
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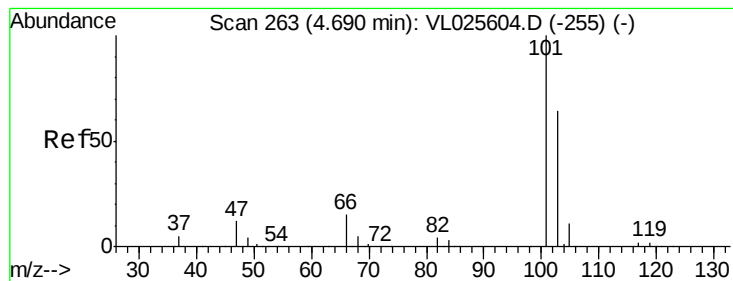
200000

100000

0

Time--> 9.25 9.30 9.35 9.40 9.45





#11

Trichlorofluoromethane

Concen: 8.69 ppbv

RT: 4.70 min Scan# 265

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion:101 Resp: 1704526

Ion Ratio Lower Upper

101 100

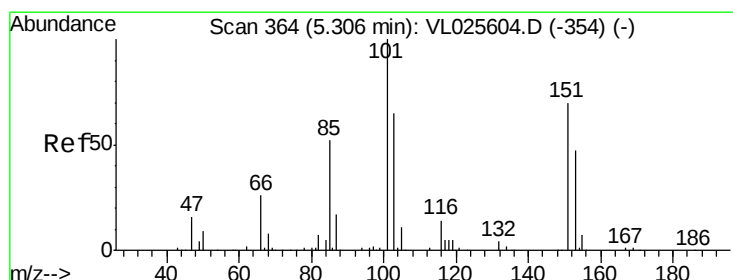
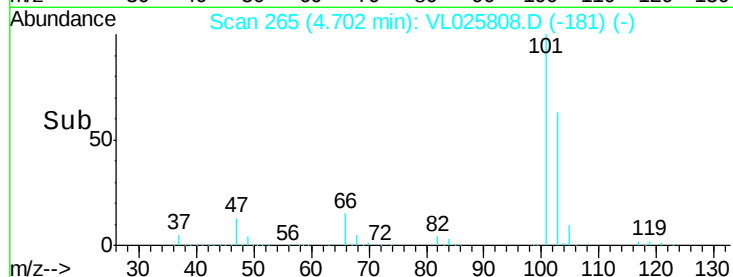
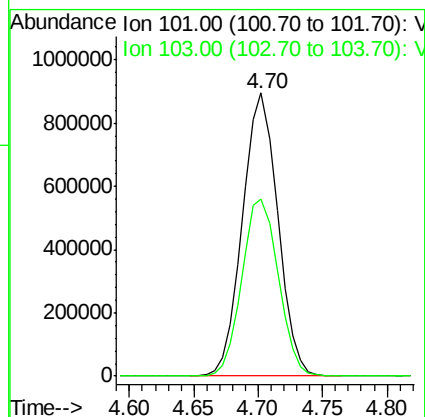
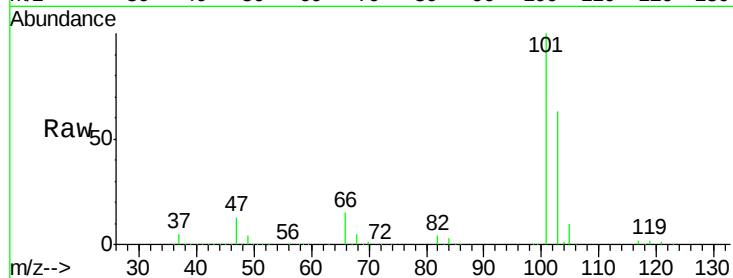
103 62.6 51.4 77.2

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.62 ppbv

RT: 5.31 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL025808.D

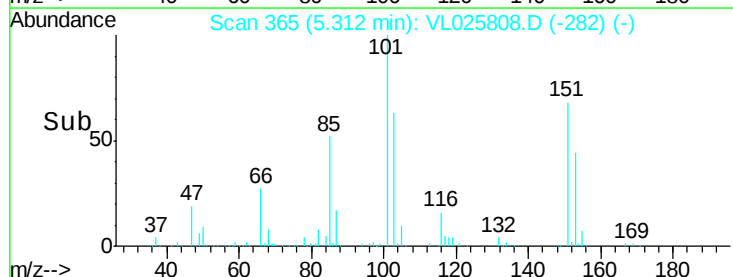
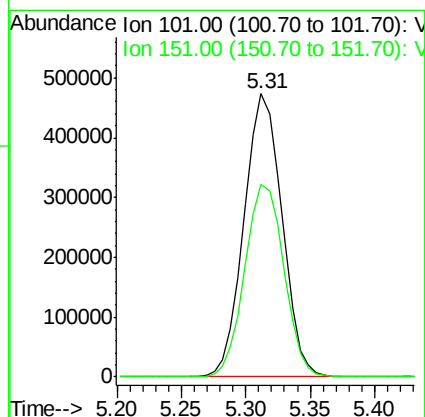
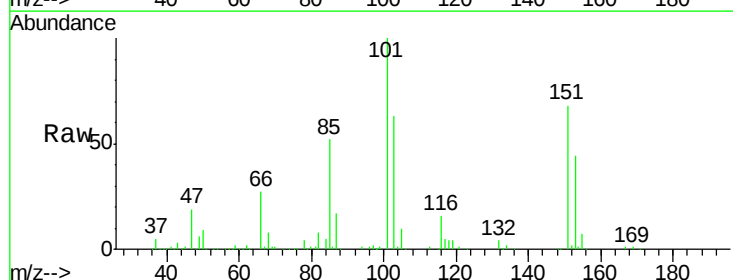
Acq: 31 Jul 2015 11:21

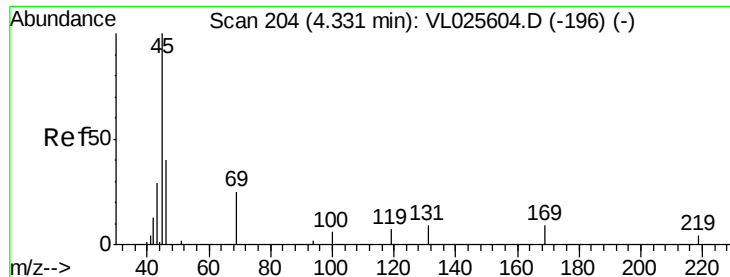
Tgt Ion:101 Resp: 968816

Ion Ratio Lower Upper

101 100

151 70.3 56.3 84.5





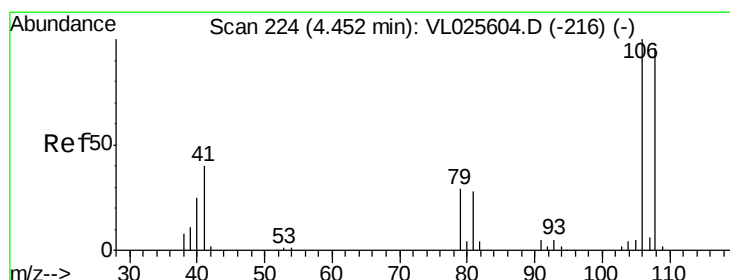
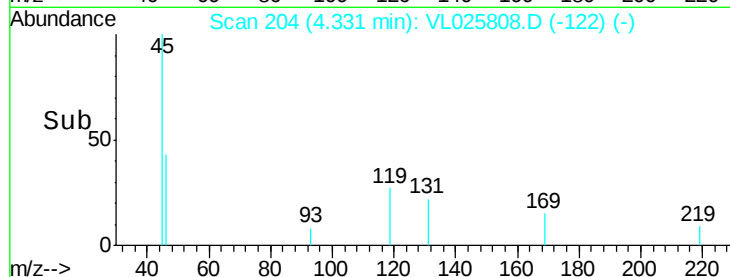
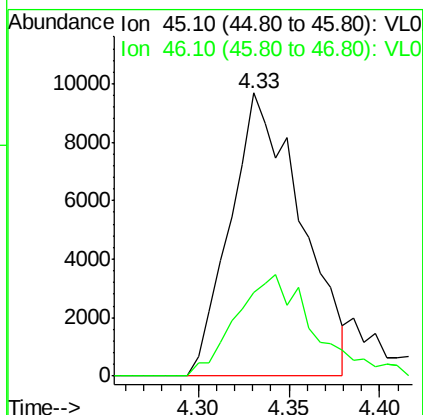
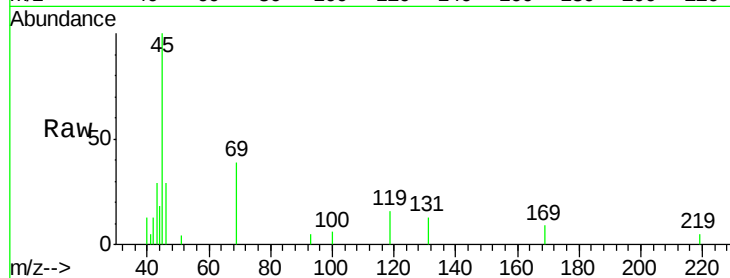
#13
Ethanol
Concen: 6.18 ppbv m
RT: 4.33 min Scan# 204
Delta R.T. 0.00 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 45 Resp: 26265
Ion Ratio Lower Upper
45 100
46 39.8 16.0 64.0

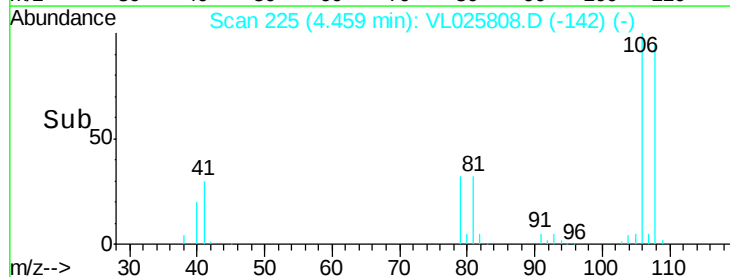
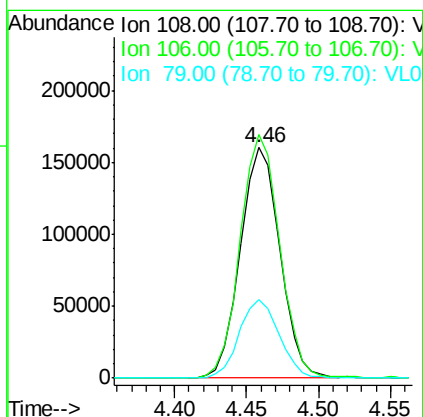
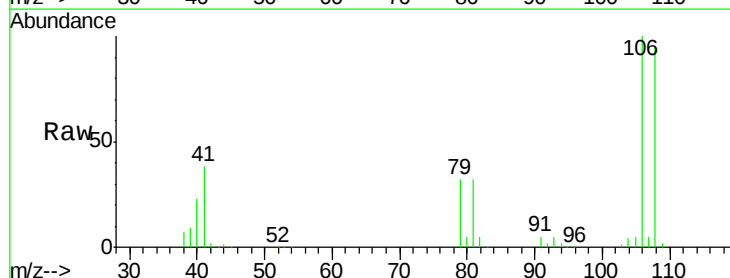
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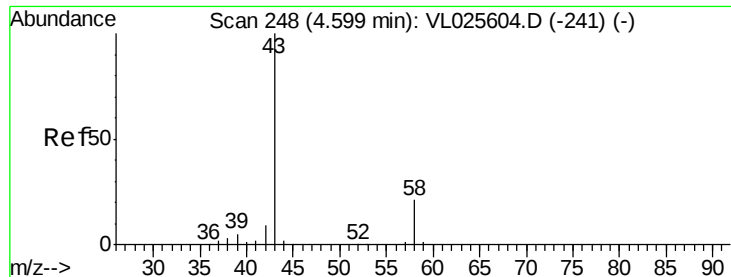
sam
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#14
Bromoethene
Concen: 8.32 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 108 Resp: 306940
Ion Ratio Lower Upper
108 100
106 105.6 85.7 128.5
79 34.8 24.6 36.8





#15

Acetone

Concen: 12.22 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Tgt Ion: 43 Resp: 1260078

Ion Ratio Lower Upper

43 100

58 22.3 17.2 25.8

Instrument :

MSVOA_L

ClientSampleId :

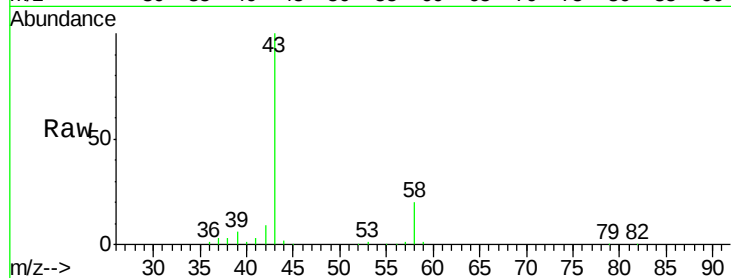
VL0731ABS01

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

600000

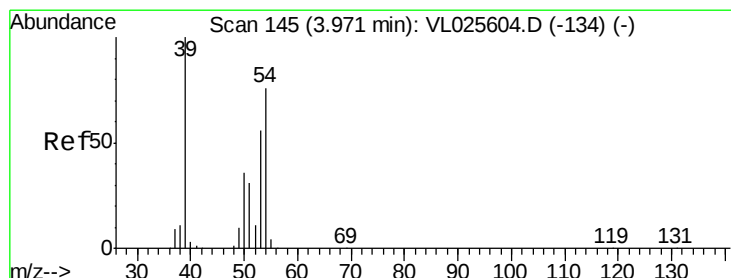
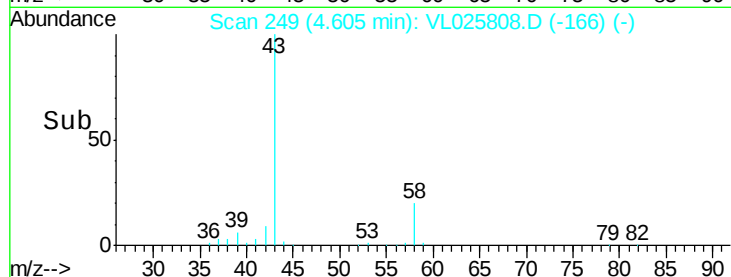
400000

200000

0

4.50 4.55 4.60 4.65 4.70

Time-->



#16

1,3-Butadiene

Concen: 8.11 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL025808.D

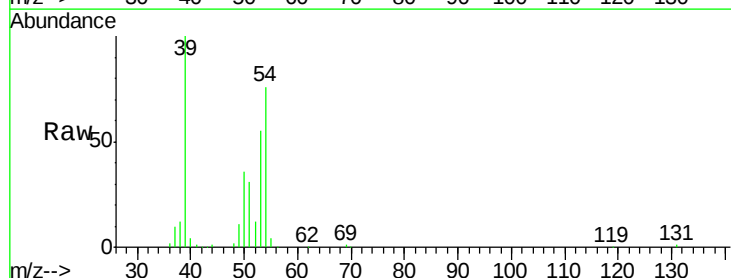
Acq: 31 Jul 2015 11:21

Tgt Ion: 39 Resp: 332810

Ion Ratio Lower Upper

39 100

54 72.5 59.3 88.9



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

200000

150000

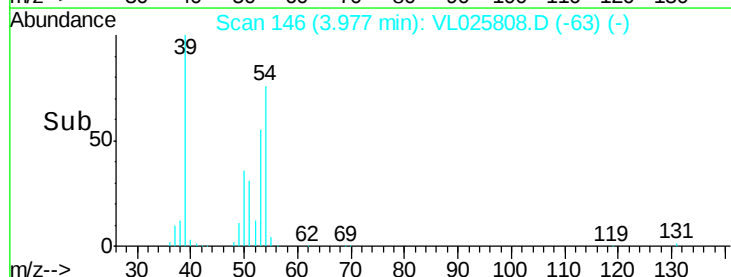
100000

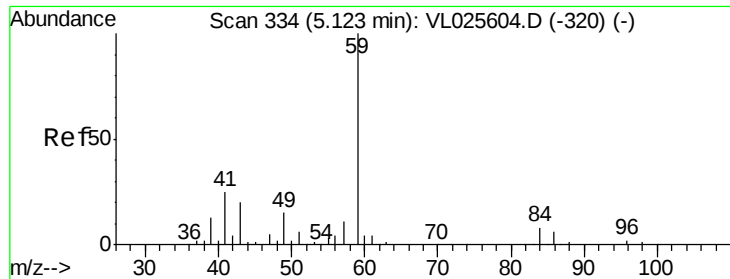
50000

0

3.85 3.90 3.95 4.00 4.05

Time-->





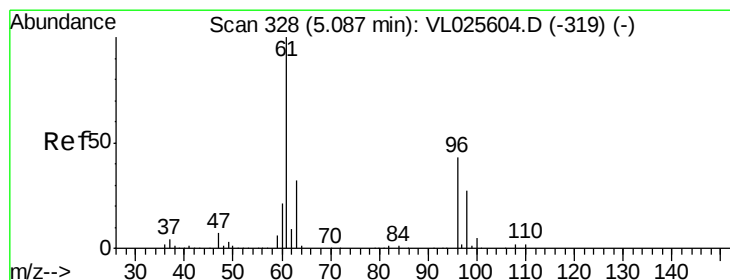
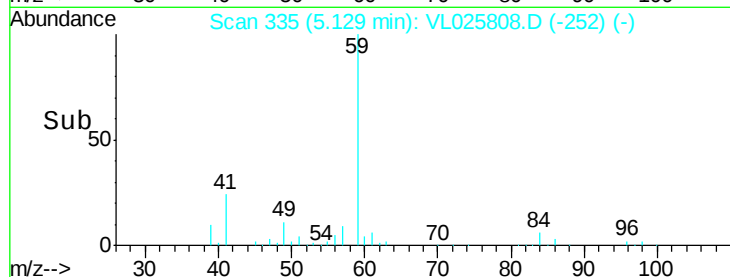
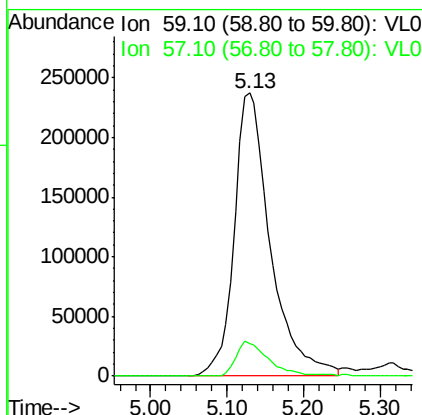
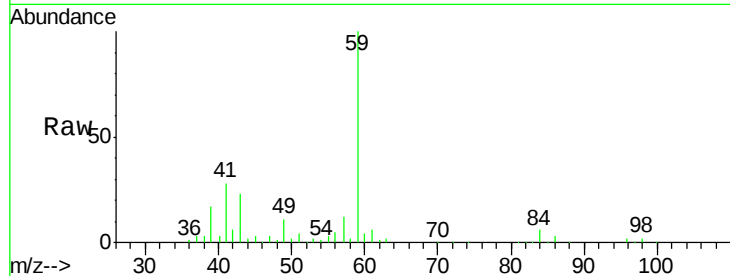
#17
 tert-Butyl alcohol
 Concen: 9.01 ppbv
 RT: 5.13 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 59 Resp: 779003
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.4 14.2

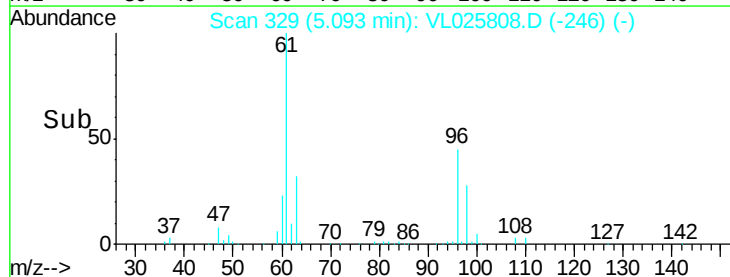
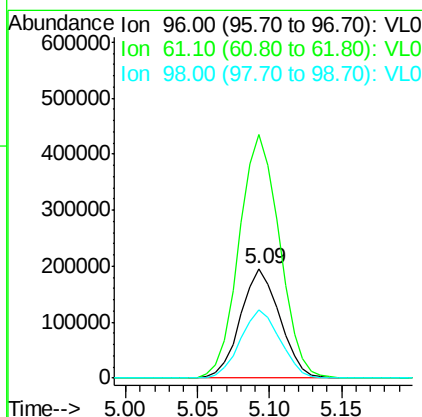
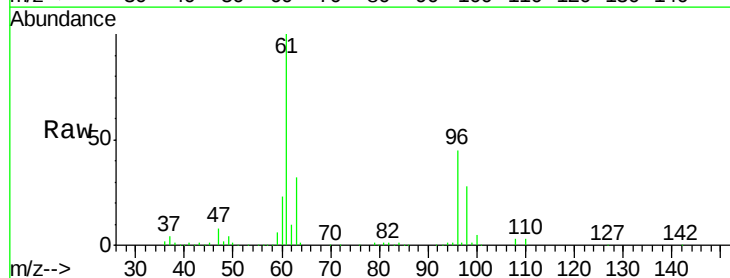
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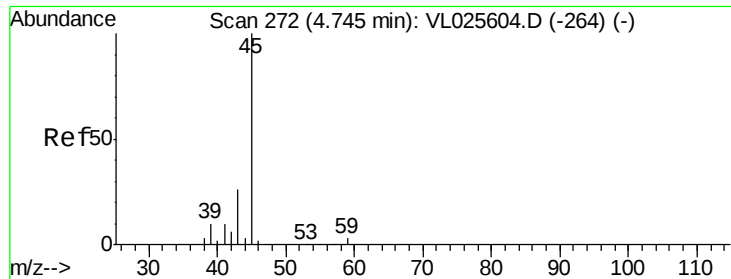
sam
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#18
 1,1-Dichloroethene
 Concen: 8.60 ppbv
 RT: 5.09 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion: 96 Resp: 370089
 Ion Ratio Lower Upper
 96 100
 61 222.3 184.1 276.1
 98 62.3 50.0 75.0





#19

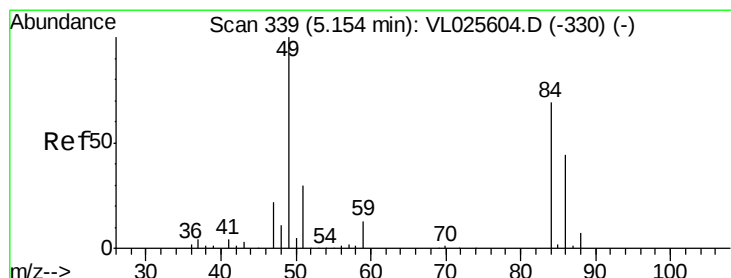
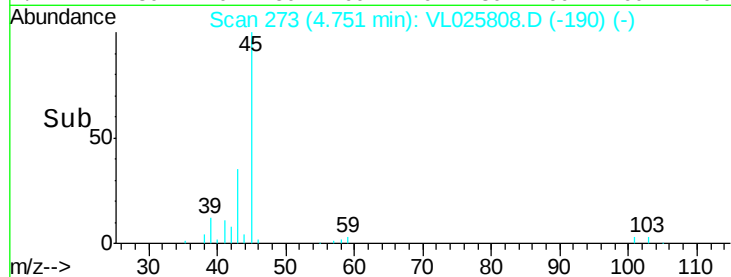
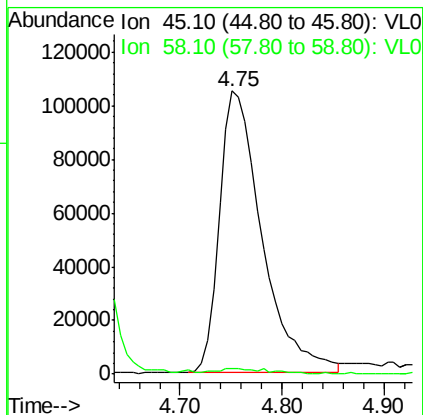
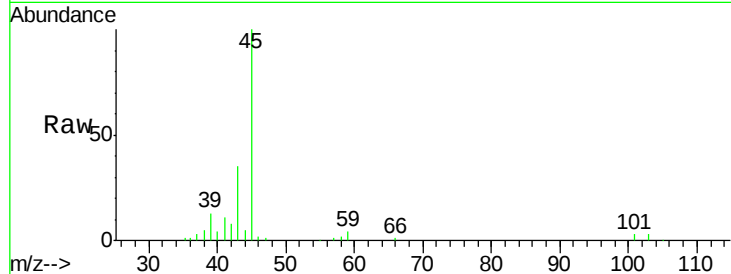
Isopropyl Alcohol
 Concen: 7.41 ppbv
 RT: 4.75 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 45 Resp: 304996
 Ion Ratio Lower Upper
 45 100
 58 3.3 1.1 1.7#

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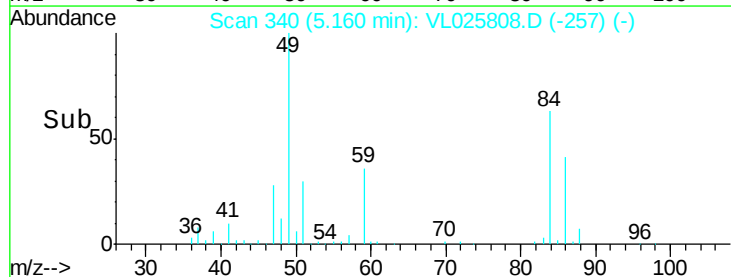
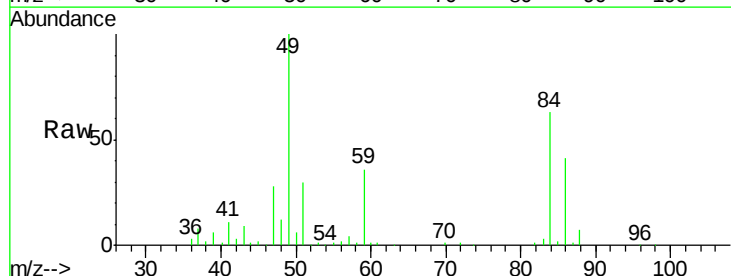
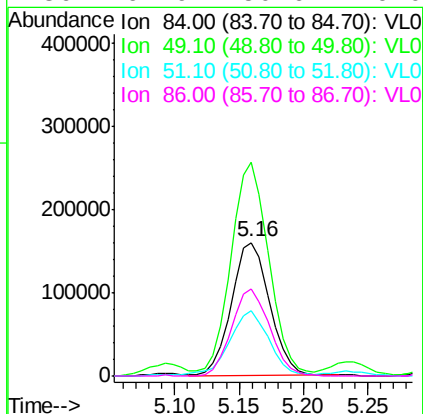
sam
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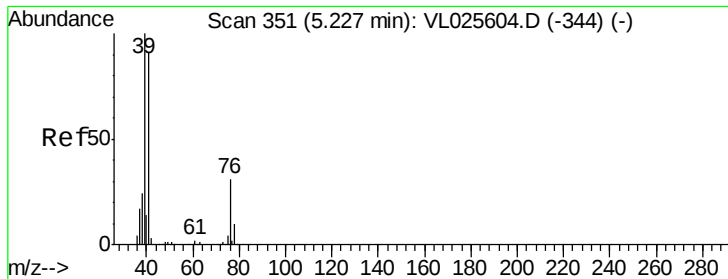


#20

Methylene Chloride
 Concen: 7.88 ppbv
 RT: 5.16 min Scan# 340
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion: 84 Resp: 330130
 Ion Ratio Lower Upper
 84 100
 49 156.9 115.2 172.8
 51 47.1 35.0 52.6
 86 64.9 50.6 76.0





#21

Allyl Chloride

Concen: 7.91 ppbv

RT: 5.23 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

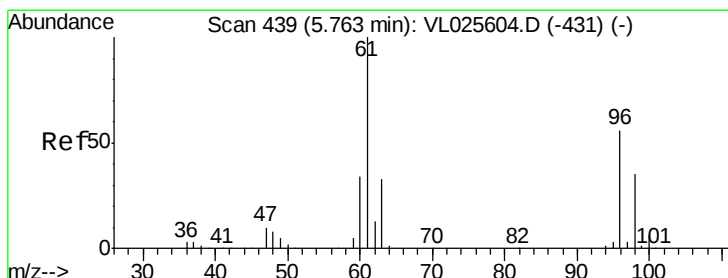
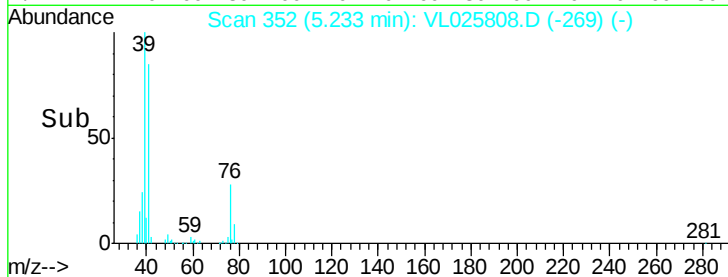
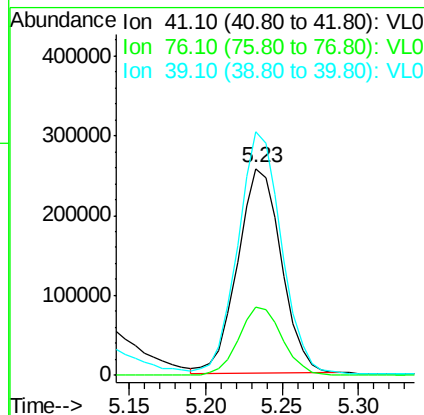
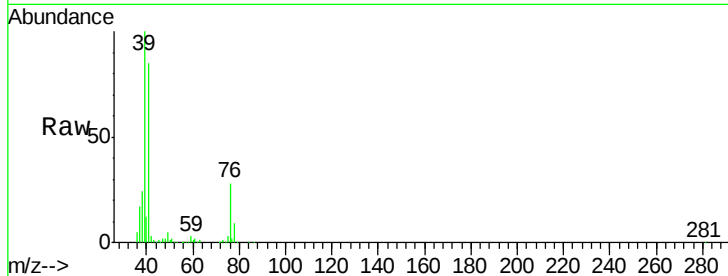
ClientSampleId :

VL0731ABS01

Tgt Ion:	41	Resp:	510336
Ion Ratio	Lower	Upper	
41	100		
76	33.2	26.6	40.0
39	118.8	88.2	132.4

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#22

trans-1,2-Dichloroethene

Concen: 8.14 ppbv

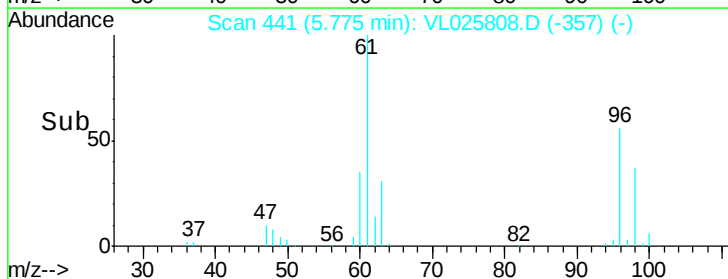
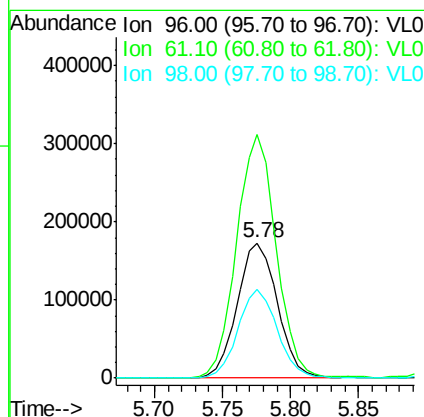
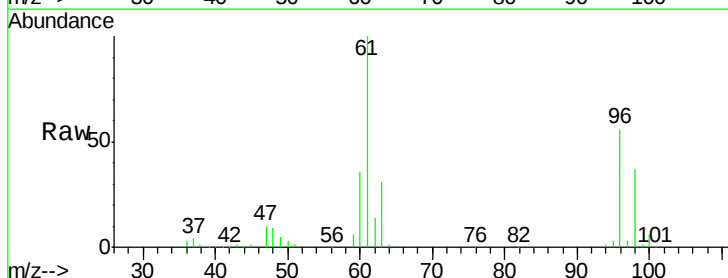
RT: 5.78 min Scan# 441

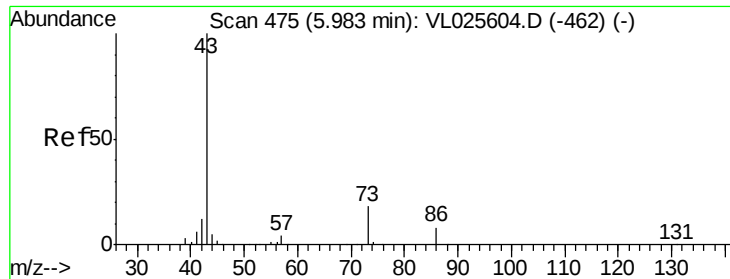
Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Tgt Ion:	96	Resp:	357783
Ion Ratio	Lower	Upper	
96	100		
61	179.9	141.8	212.6
98	66.0	49.0	73.6





#23

Vinyl Acetate

Concen: 9.30 ppbv

RT: 5.99 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 43 Resp: 1452622

Ion Ratio Lower Upper

43 100

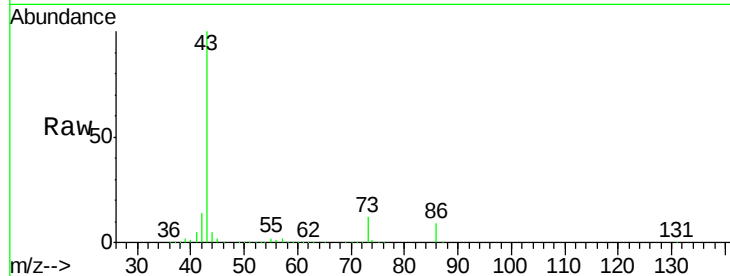
86 8.5 6.7 10.1

42 13.6 9.8 14.6

44 4.6 4.1 6.1

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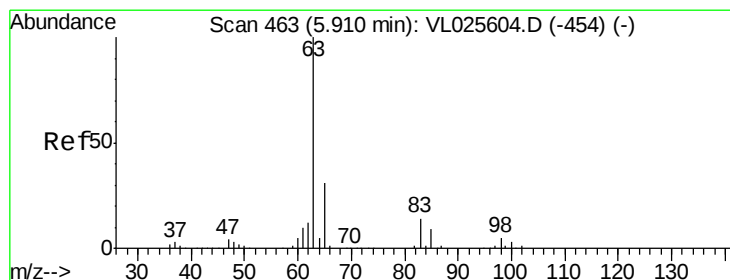
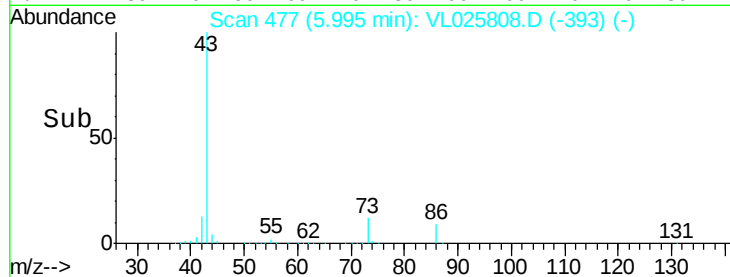
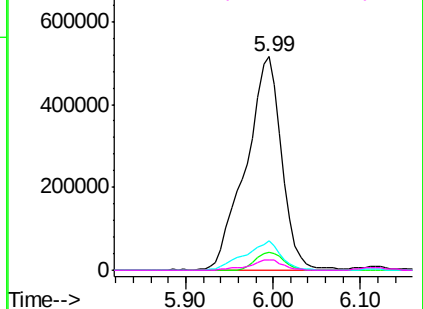


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.18 ppbv

RT: 5.92 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

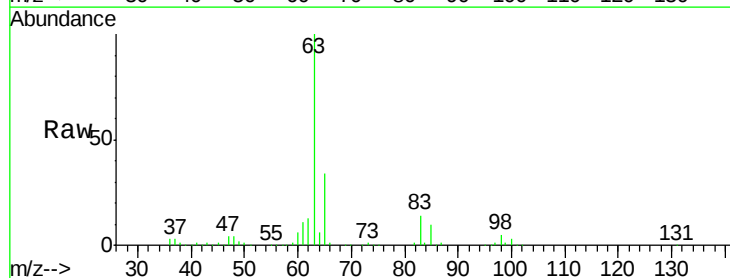
Tgt Ion: 63 Resp: 856588

Ion Ratio Lower Upper

63 100

98 5.5 2.6 8.0

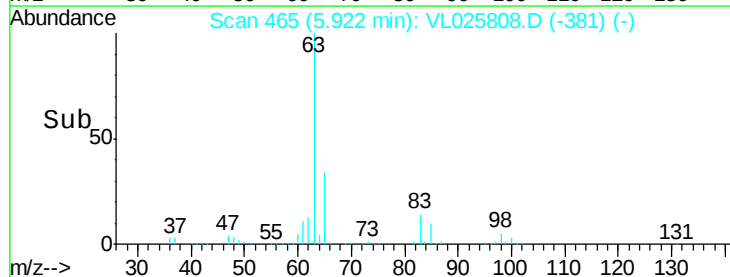
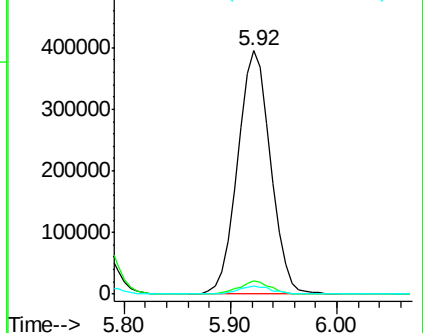
100 3.2 1.6 4.7

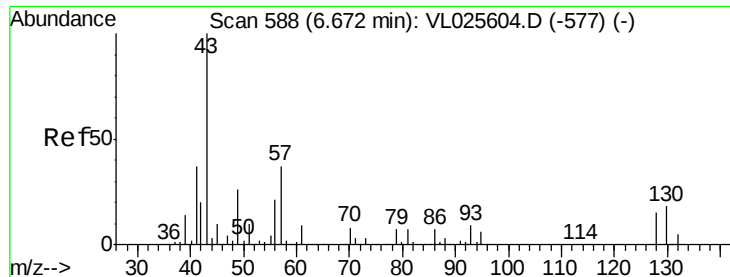


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.28 ppbv

RT: 6.68 min Scan# 589

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 43 Resp: 1292012

Ion Ratio Lower Upper

43 100

45 9.1 7.5 11.3

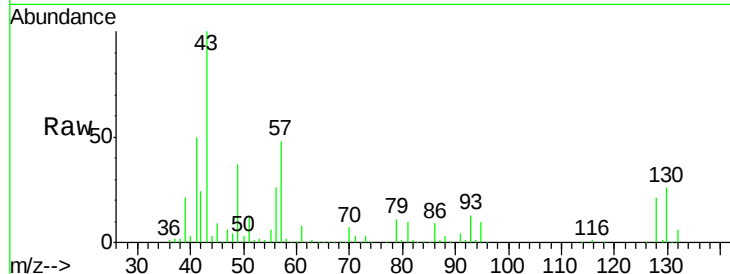
61 8.2 6.6 10.0

70 7.1 6.0 9.0

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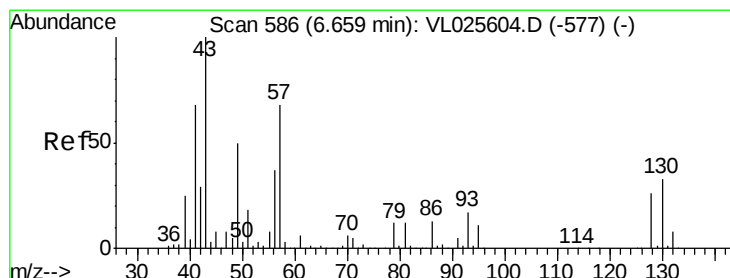
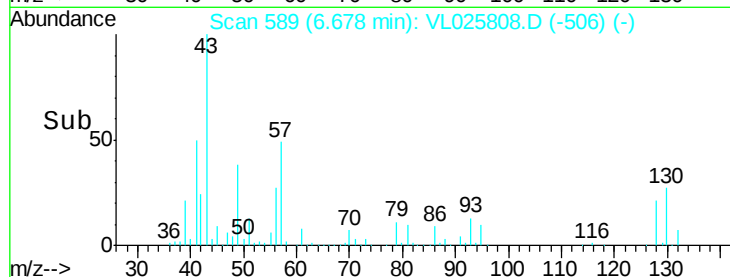
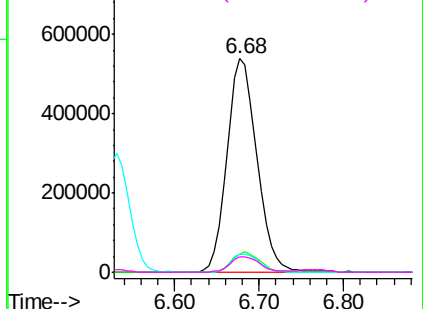
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 8.19 ppbv

RT: 6.67 min Scan# 588

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Tgt Ion: 57 Resp: 601405

Ion Ratio Lower Upper

57 100

41 109.1 81.4 122.2

43 216.0 171.4 257.2

56 56.7 44.5 66.7

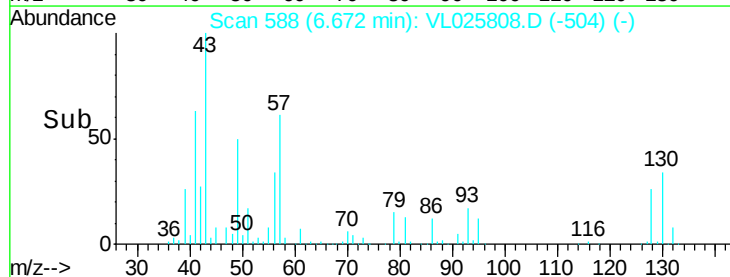
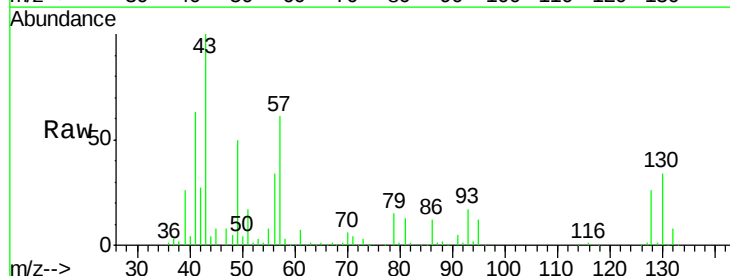
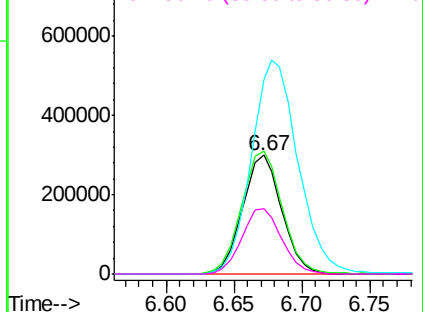
Abundance

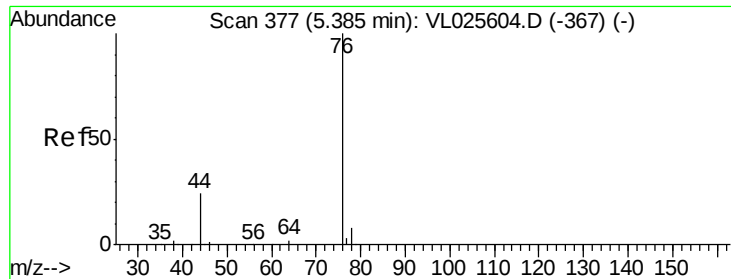
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





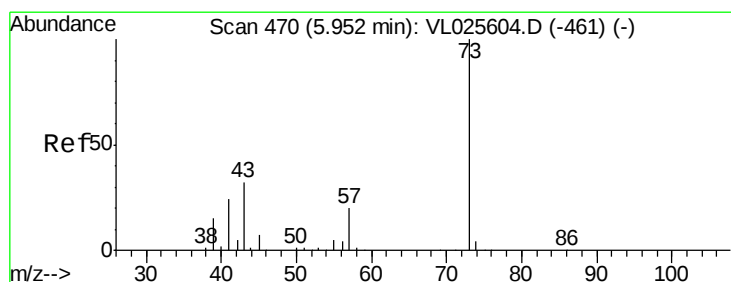
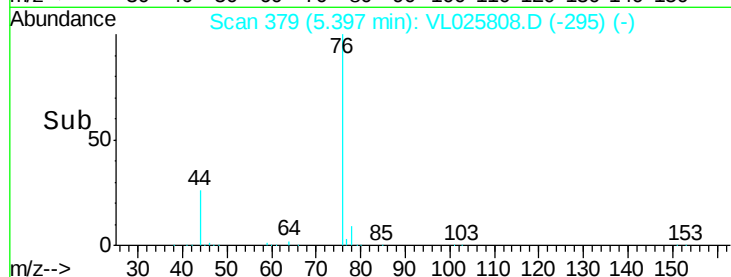
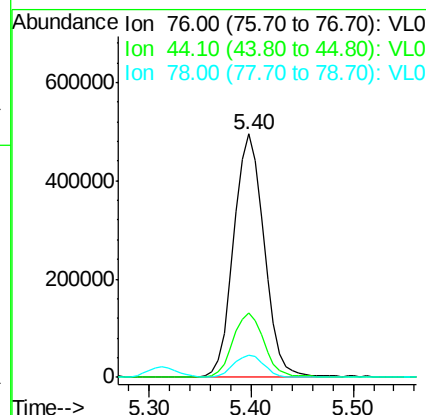
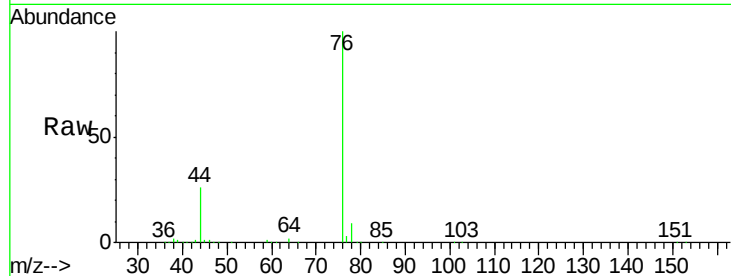
#27
Carbon Disulfide
Concen: 8.63 ppbv
RT: 5.40 min Scan# 379
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 76 Resp: 1026544
Ion Ratio Lower Upper
76 100
44 26.7 20.2 30.4
78 9.3 7.4 11.2

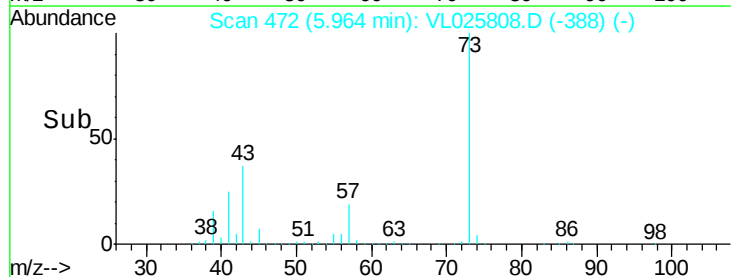
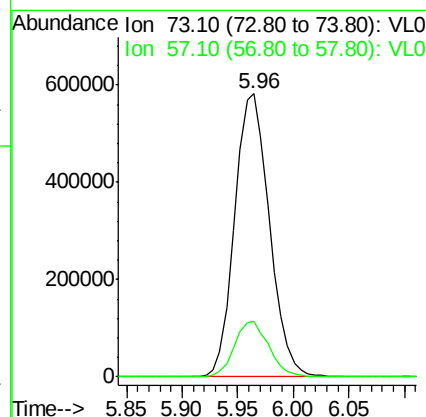
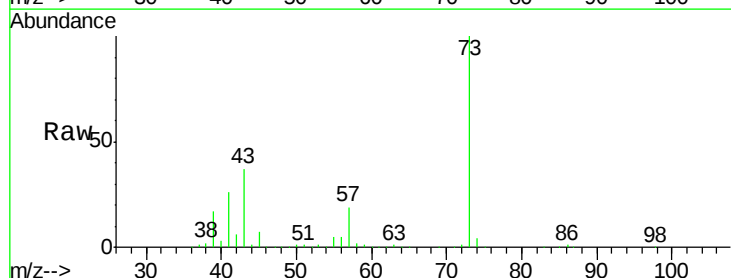
Manual Integrations
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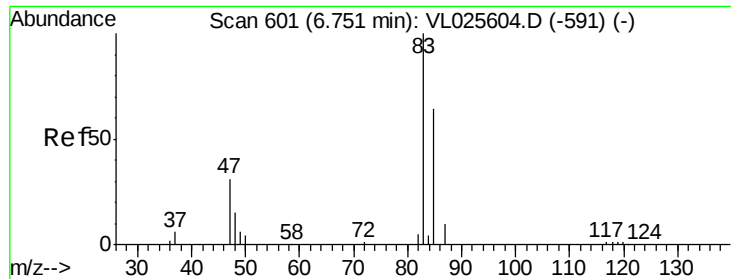
sam
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#28
Methyl tert-Butyl Ether
Concen: 8.61 ppbv
RT: 5.96 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 73 Resp: 1258012
Ion Ratio Lower Upper
73 100
57 19.5 16.0 24.0





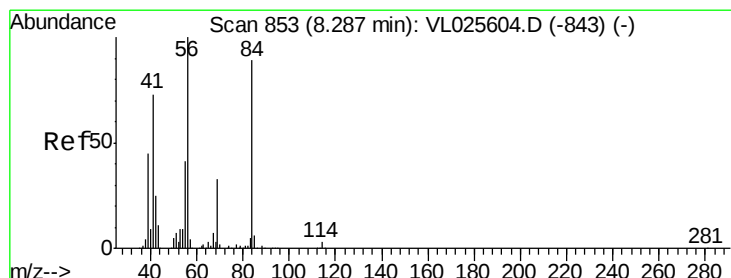
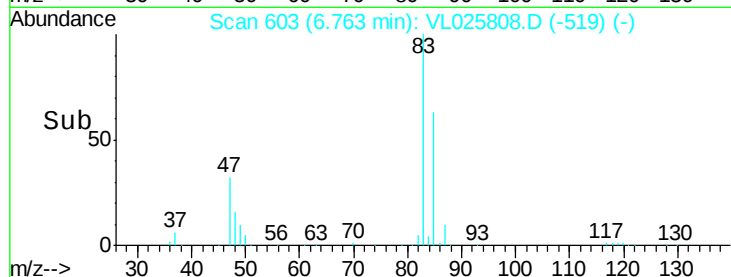
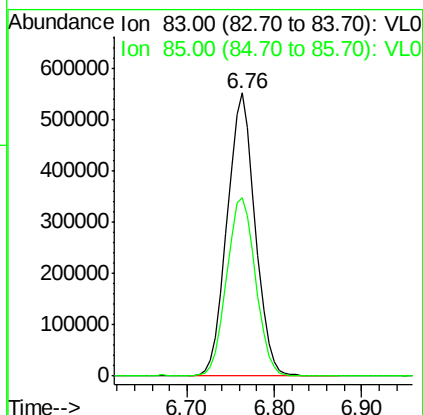
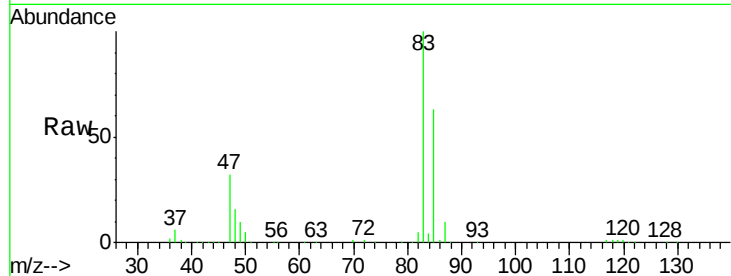
#29
Chloroform
Concen: 8.48 ppbv
RT: 6.76 min Scan# 603
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 83 Resp: 1230277
Ion Ratio Lower Upper
83 100
85 63.1 51.6 77.4

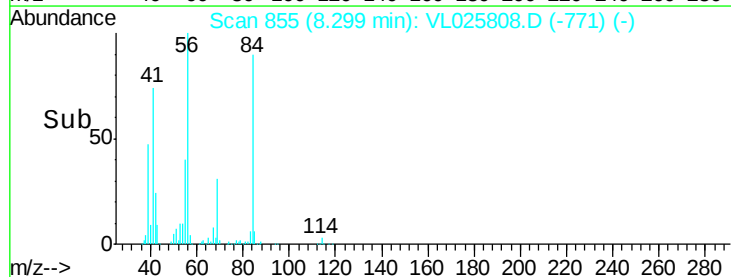
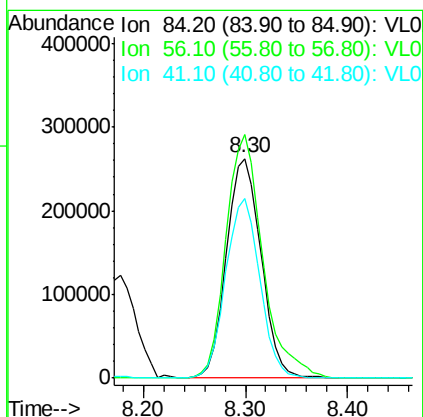
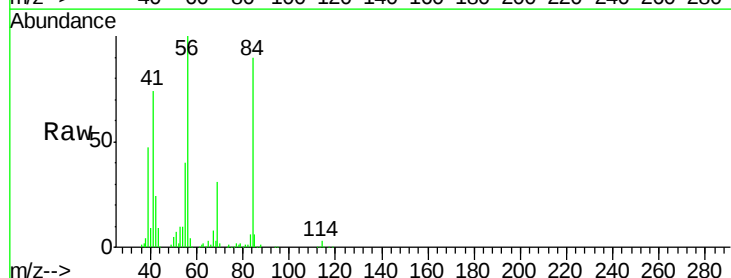
Manual Integrations
APPROVED

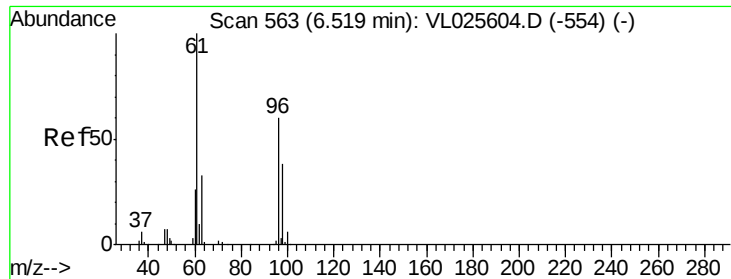
sam
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#30
Cyclohexane
Concen: 8.76 ppbv
RT: 8.30 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 84 Resp: 614837
Ion Ratio Lower Upper
84 100
56 118.8 97.5 146.3
41 81.2 65.4 98.2





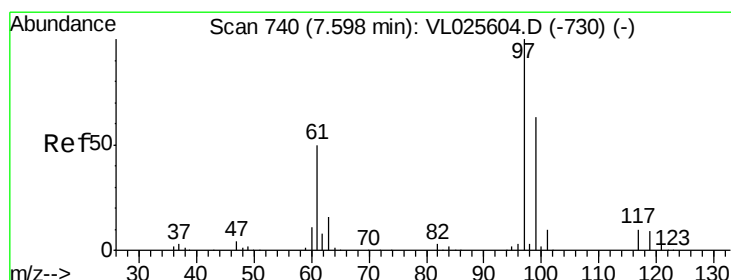
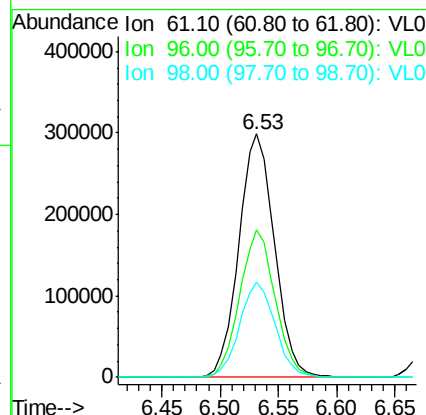
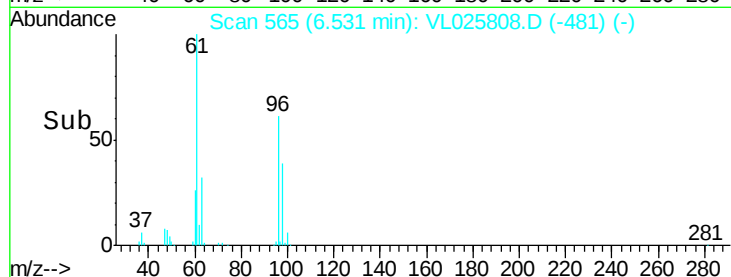
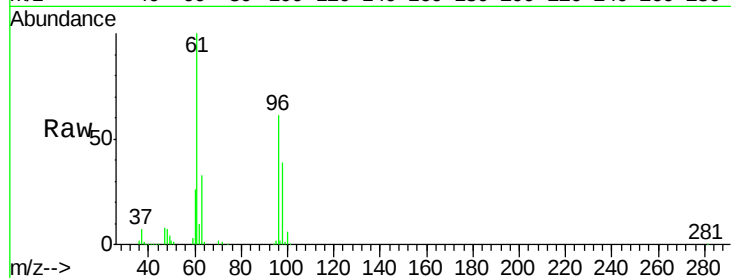
#31
 cis-1,2-Dichloroethene
 Concen: 8.74 ppbv
 RT: 6.53 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	60.5	48.1	72.1
98	38.9	30.7	46.1

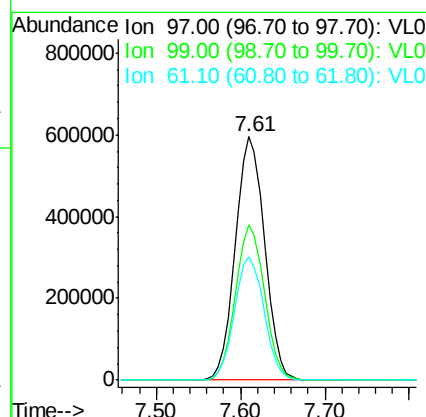
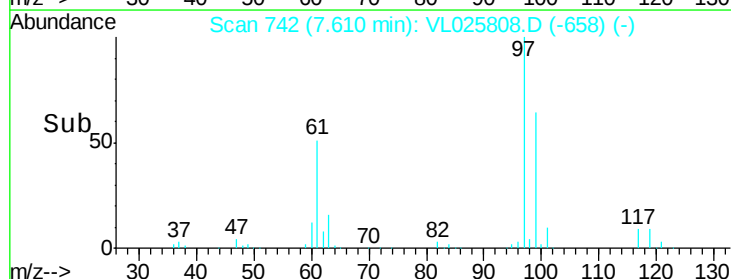
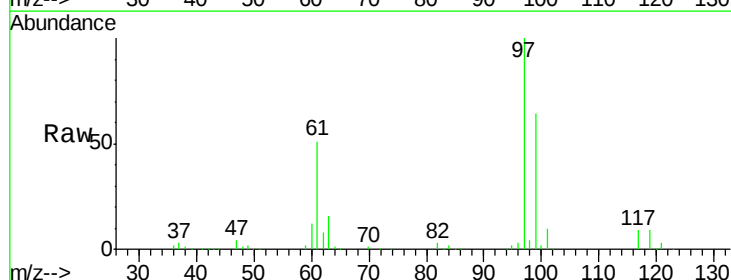
Manual Integrations
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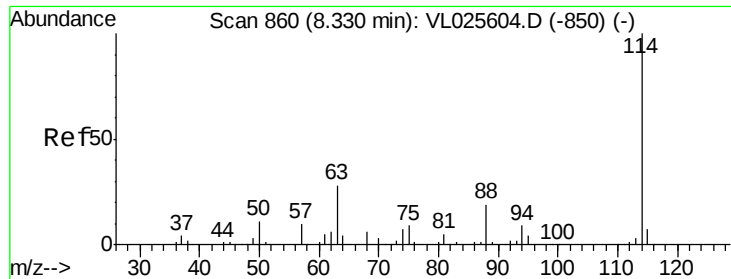
sam
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#32
 1,1,1-Trichloroethane
 Concen: 8.89 ppbv
 RT: 7.61 min Scan# 742
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.2	76.8
61	51.2	40.4	60.6





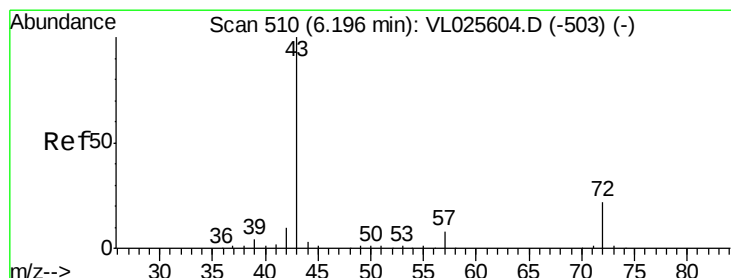
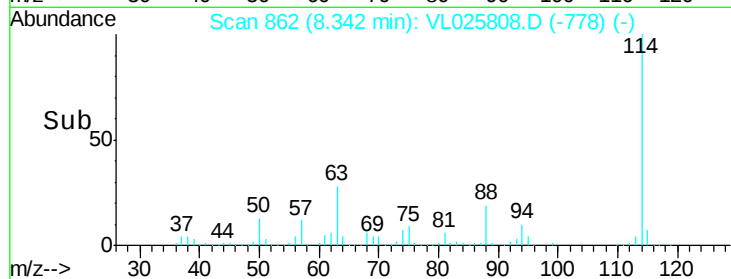
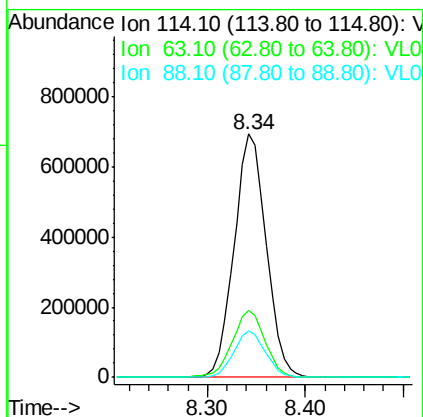
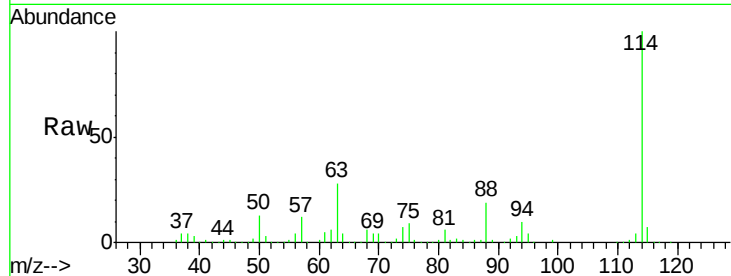
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 114 Resp: 1580603
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.4 33.6
 88 18.6 15.0 22.4

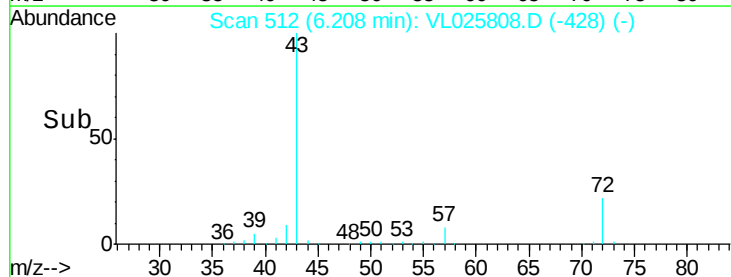
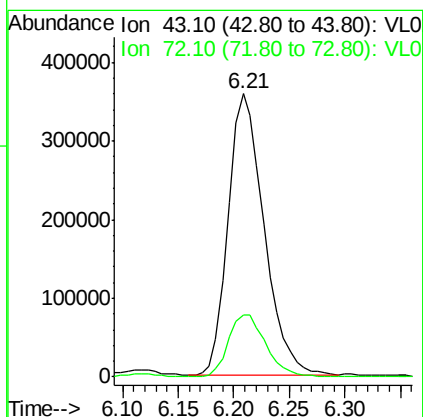
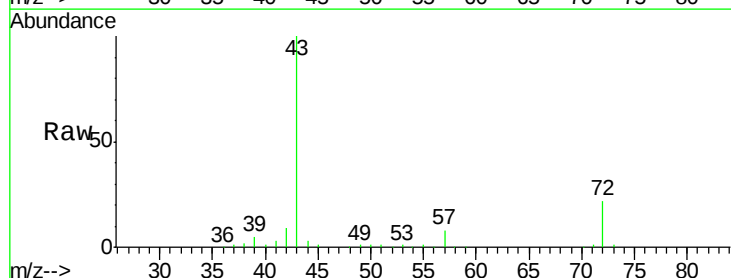
Manual Integrations
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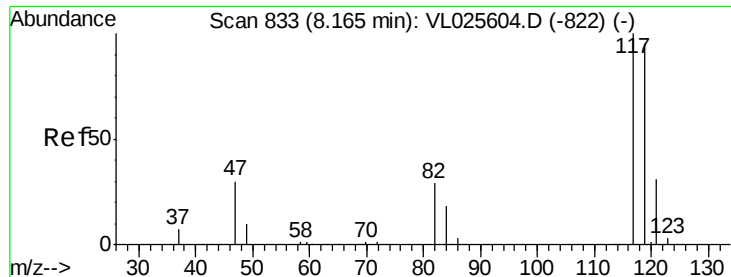
sam
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#34
 2-Butanone
 Concen: 8.95 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion: 43 Resp: 802686
 Ion Ratio Lower Upper
 43 100
 72 23.0 18.6 28.0





#35

Carbon Tetrachloride

Concen: 8.90 ppbv

RT: 8.18 min Scan# 835

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 117 Resp: 1498469

Ion Ratio Lower Upper

117 100

119 96.6 75.9 113.9

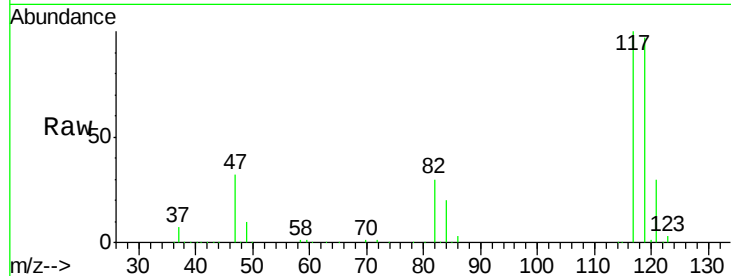
121 30.0 24.4 36.6

Manual Integrations

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sam

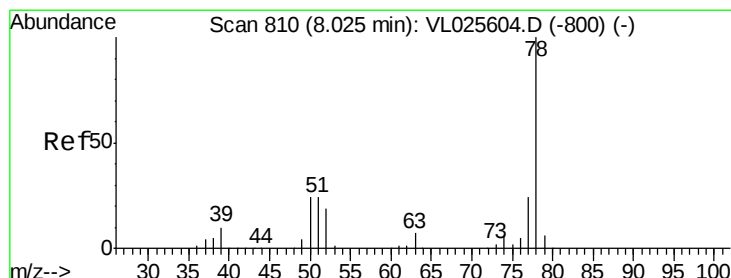
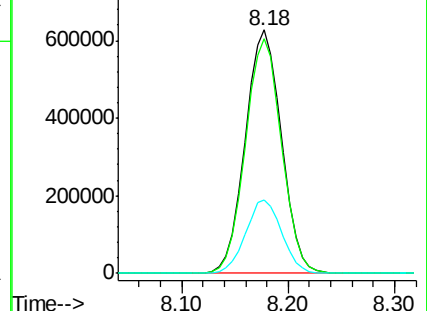
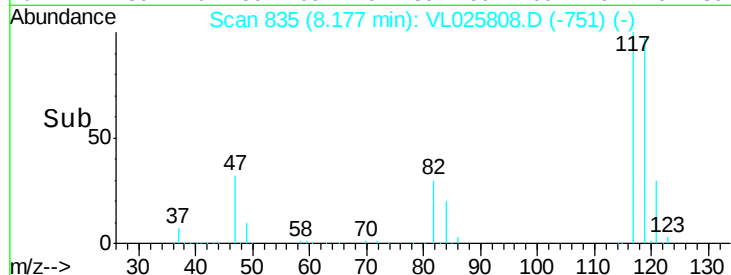
8/4/2015 12:03:34 PM



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



#36

Benzene

Concen: 8.70 ppbv

RT: 8.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

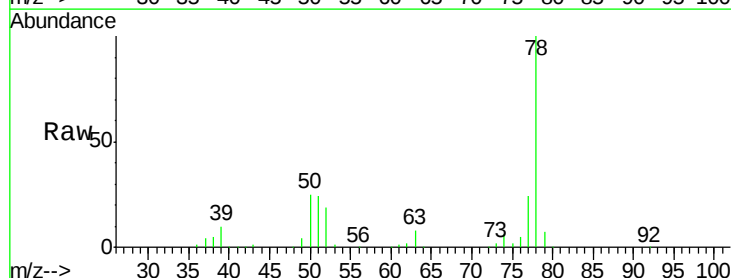
Tgt Ion: 78 Resp: 1317428

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4

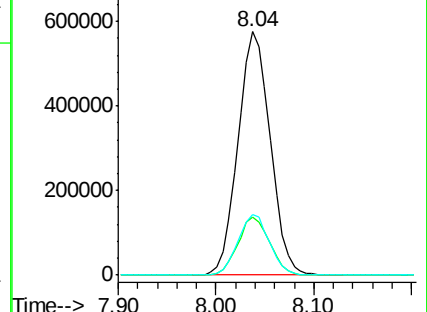
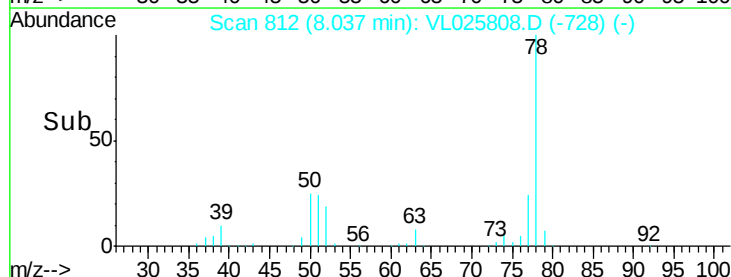
50 24.9 19.2 28.8

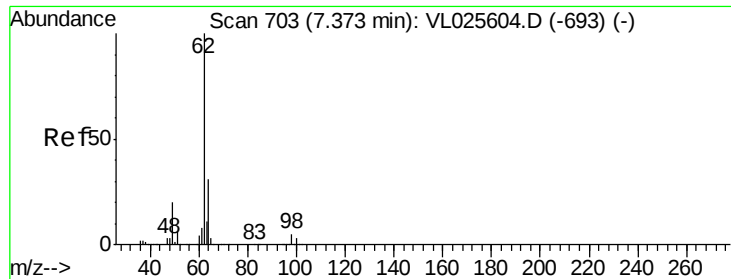


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





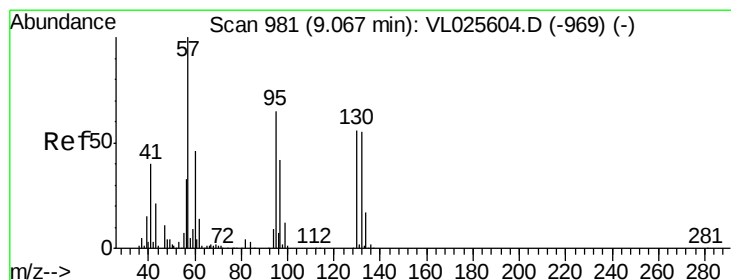
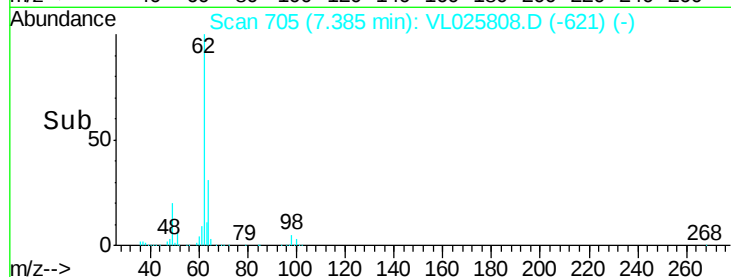
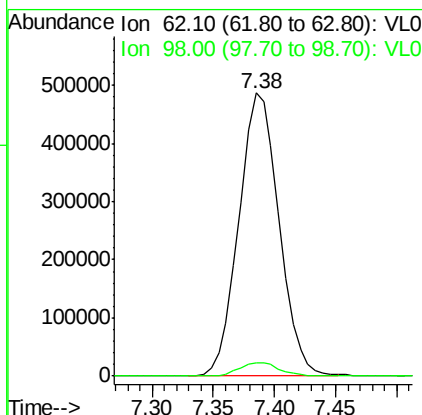
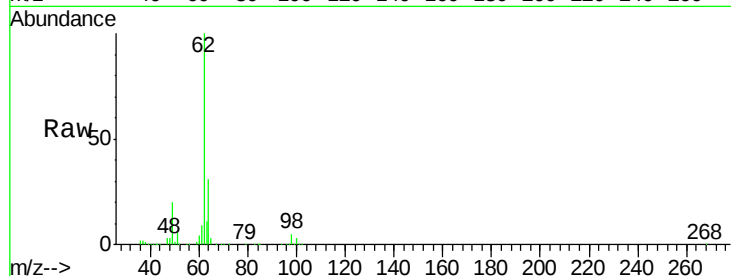
#37
 1,2-Dichloroethane
 Concen: 8.61 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 62 Resp: 1113335
 Ion Ratio Lower Upper
 62 100
 98 4.8 4.1 6.1

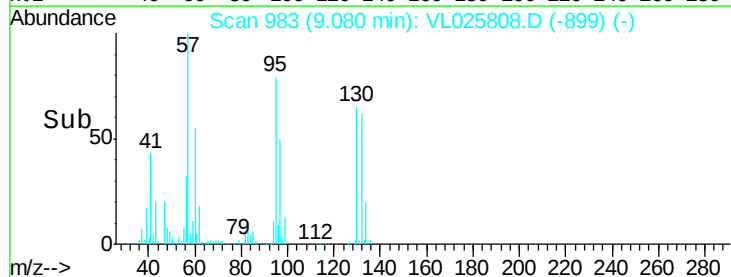
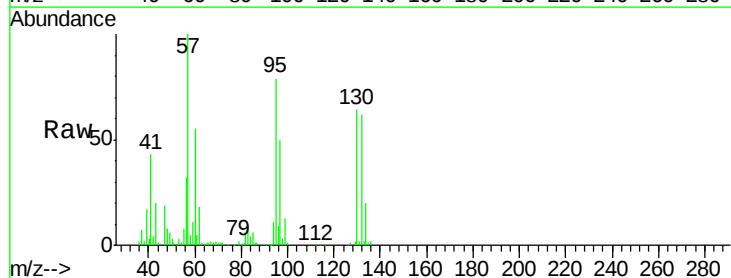
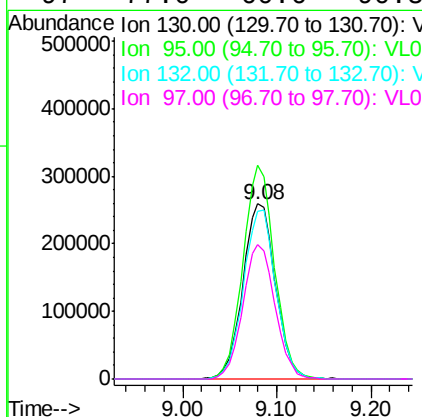
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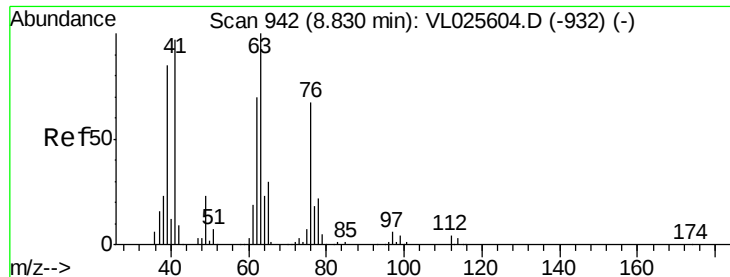
sam
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#38
 Trichloroethene
 Concen: 8.93 ppbv
 RT: 9.08 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion: 130 Resp: 628694
 Ion Ratio Lower Upper
 130 100
 95 122.0 94.2 141.4
 132 96.0 78.6 118.0
 97 77.0 60.6 90.8





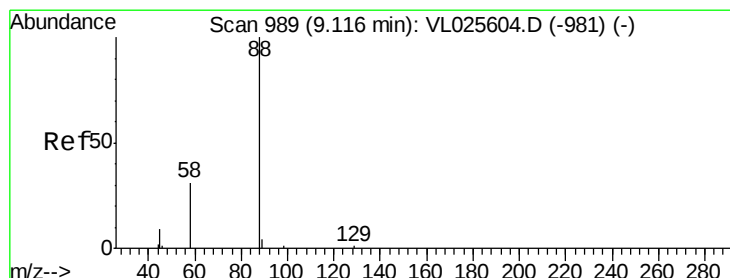
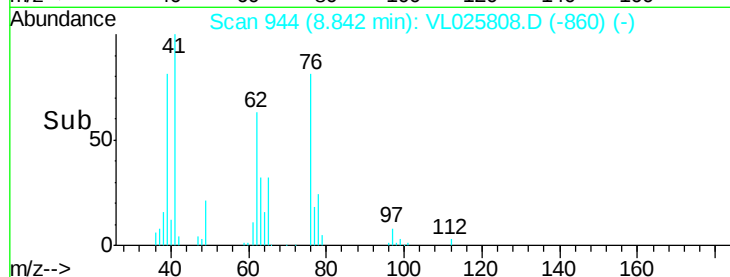
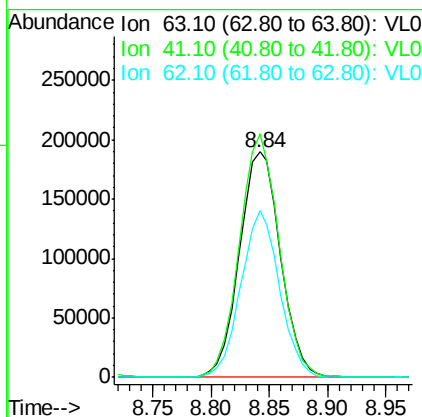
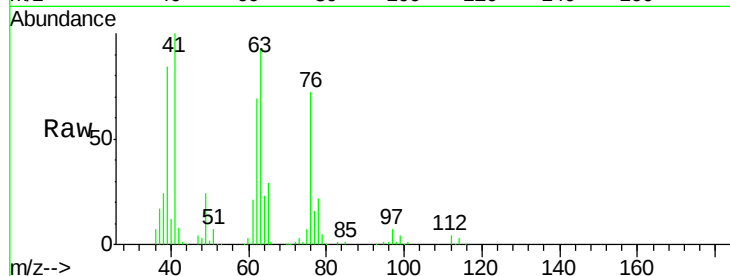
#39
 1,2-Dichloropropane
 Concen: 8.32 ppbv
 RT: 8.84 min Scan# 944
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion	Ratio	Lower	Upper
63	100		
41	107.9	78.0	117.0
62	74.1	55.7	83.5

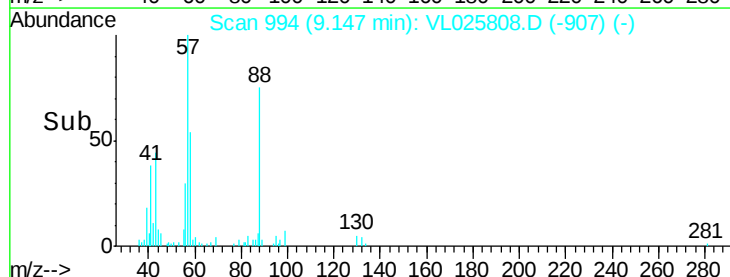
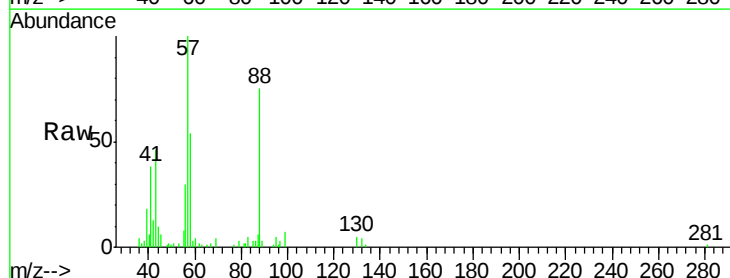
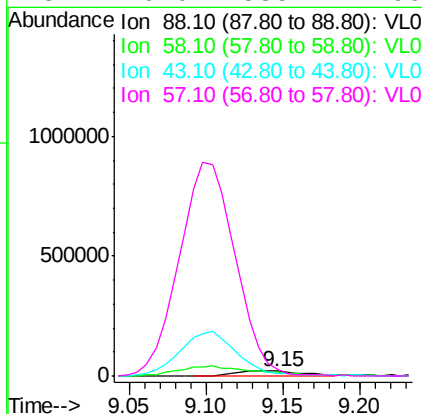
Manual Integrations
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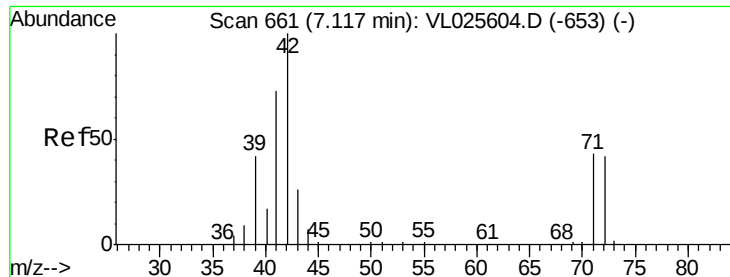
sam
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#40
 1,4-Dioxane
 Concen: 7.09 ppbv m
 RT: 9.15 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

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





#41

Tetrahydrofuran

Concen: 8.65 ppbv

RT: 7.13 min Scan# 663

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

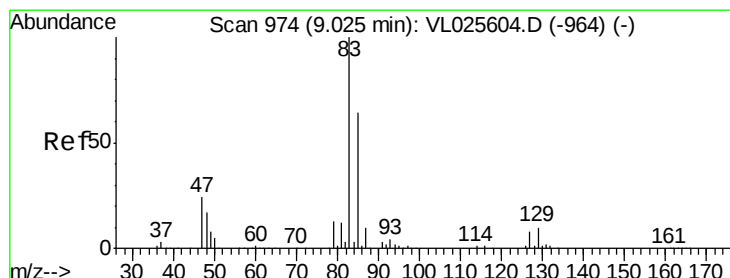
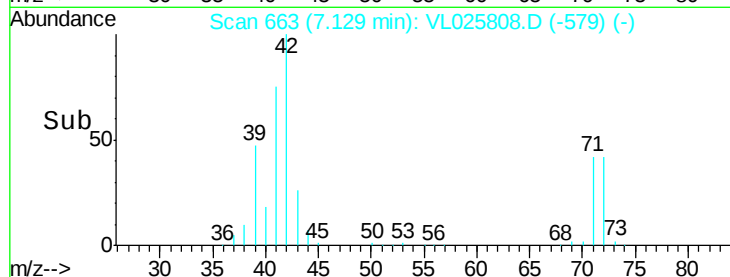
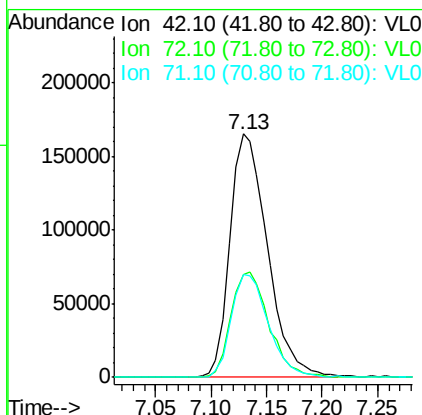
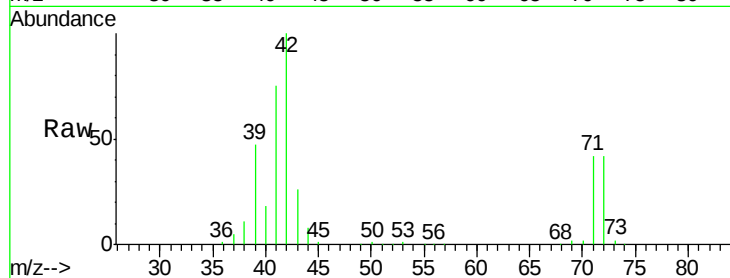
ClientSampleId :

VL0731ABS01

Tgt Ion:	42	Resp:	387277
Ion Ratio		Lower	Upper
42	100		
72	43.5	34.0	51.0
71	41.9	33.0	49.6

Manual Integrations
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sam
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#42

Bromodichloromethane

Concen: 9.01 ppbv

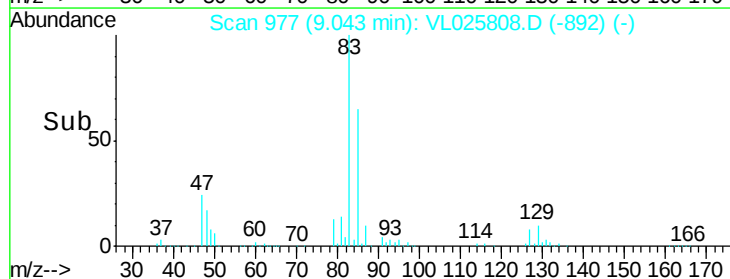
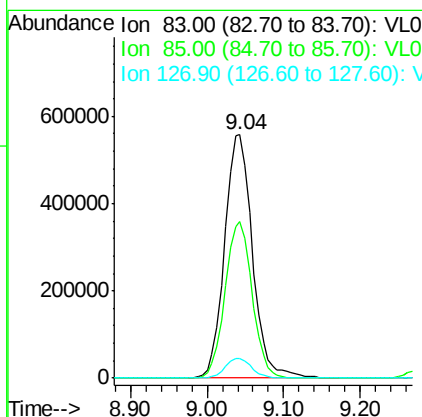
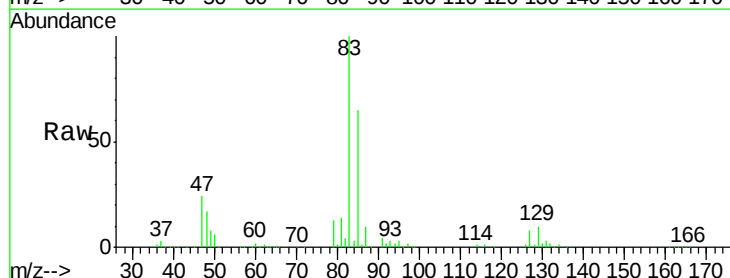
RT: 9.04 min Scan# 977

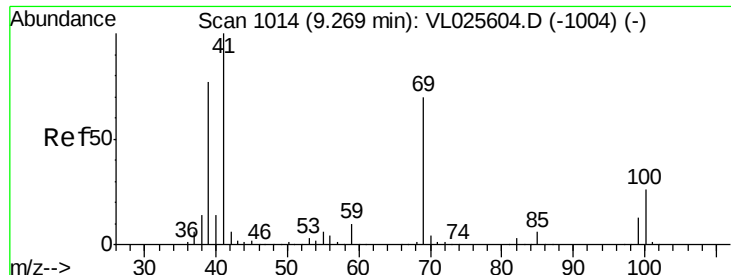
Delta R.T. 0.02 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Tgt Ion:	83	Resp:	1405258
Ion Ratio		Lower	Upper
83	100		
85	64.5	51.3	76.9
127	8.1	6.0	9.0





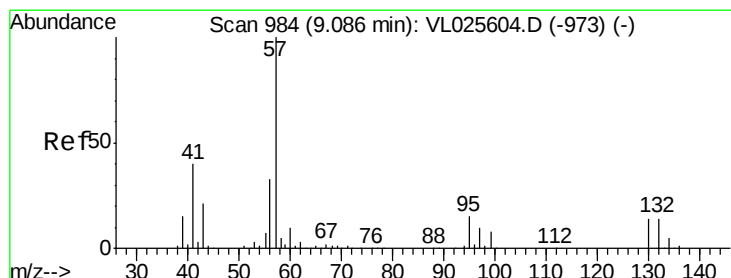
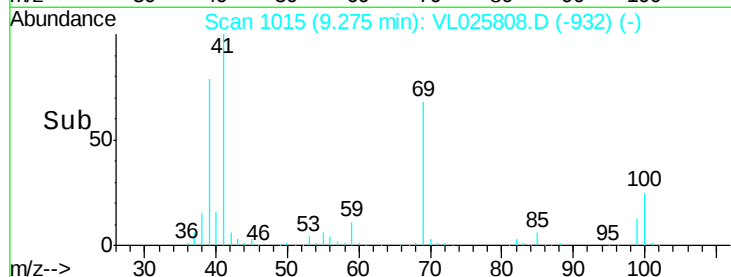
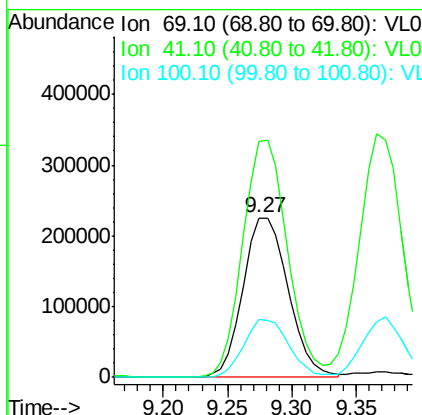
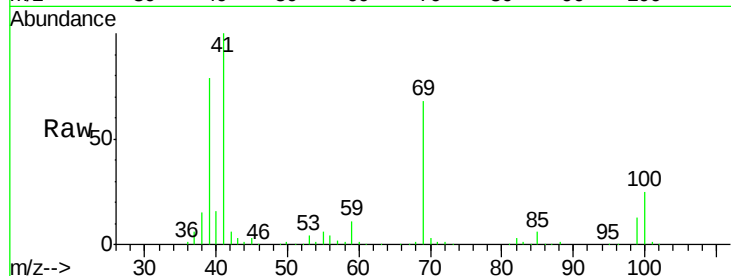
#43
Methyl Methacrylate
Concen: 9.48 ppbv
RT: 9.27 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	146.8	117.3	175.9
100	36.3	29.0	43.6

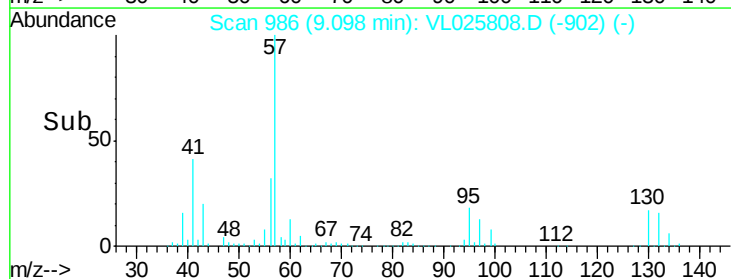
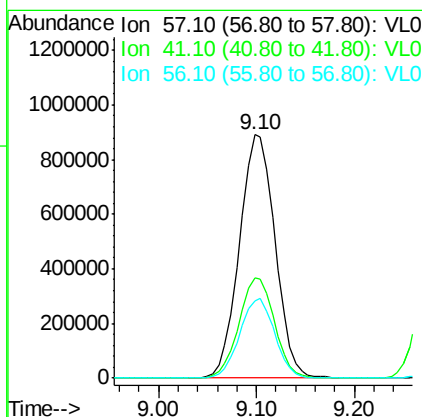
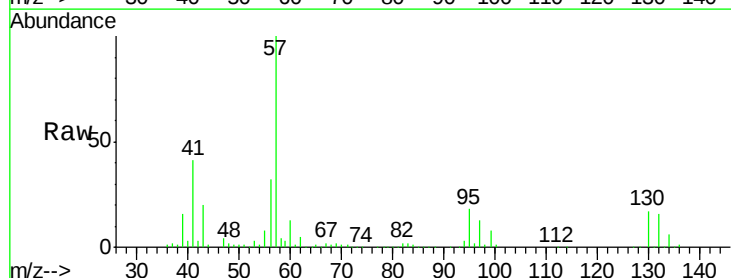
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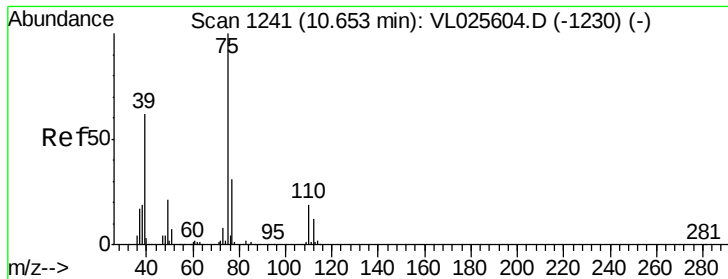
sam
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#44
2,2,4-Trimethylpentane
Concen: 8.72 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion	Ratio	Lower	Upper
57	100		
41	40.9	31.2	46.8
56	32.1	25.4	38.2





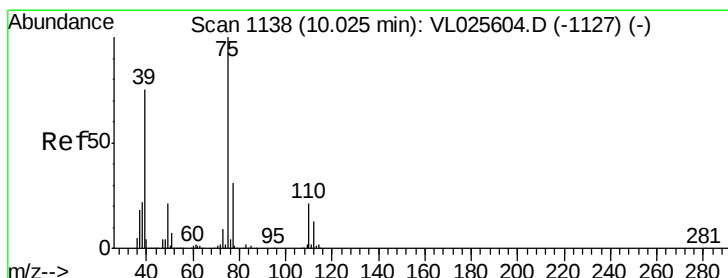
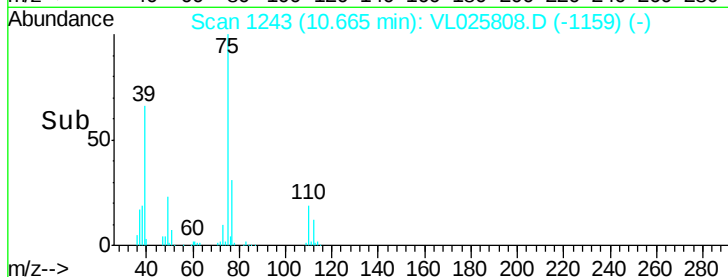
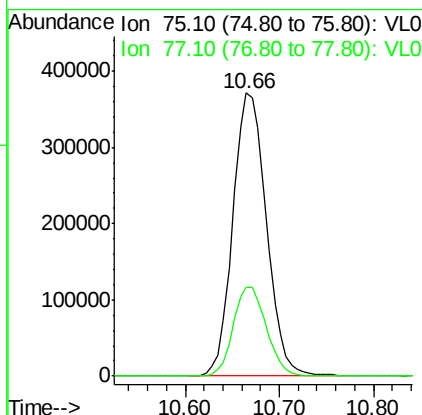
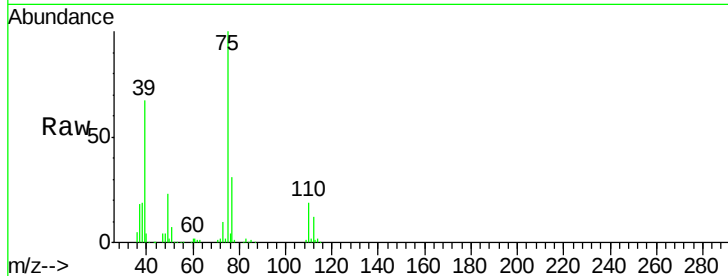
#45
 t-1,3-Dichloropropene
 Concen: 9.41 ppbv
 RT: 10.66 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 75 Resp: 919817
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.6 37.0

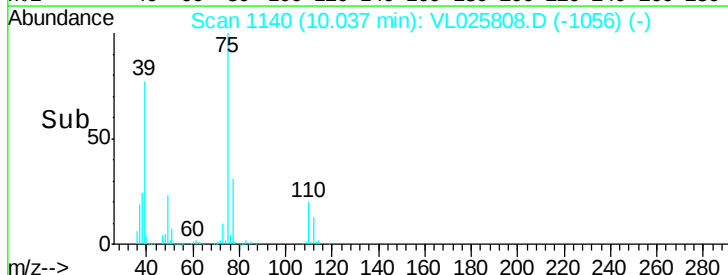
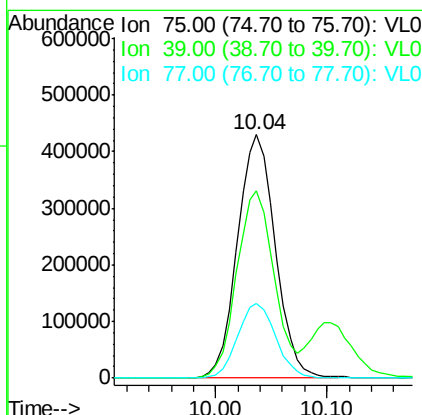
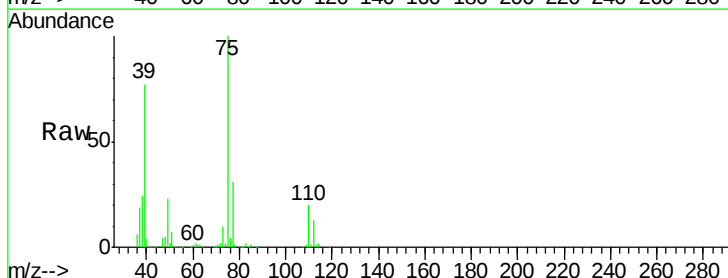
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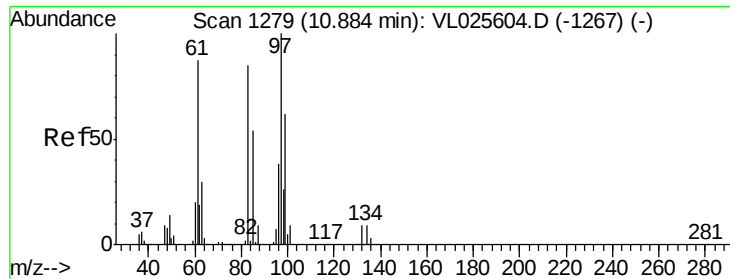
sam
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#46
 cis-1,3-Dichloropropene
 Concen: 9.41 ppbv
 RT: 10.04 min Scan# 1140
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion: 75 Resp: 1016562
 Ion Ratio Lower Upper
 75 100
 39 76.9 60.4 90.6
 77 30.8 24.6 37.0





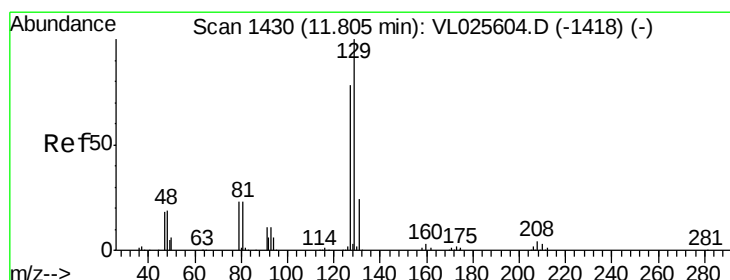
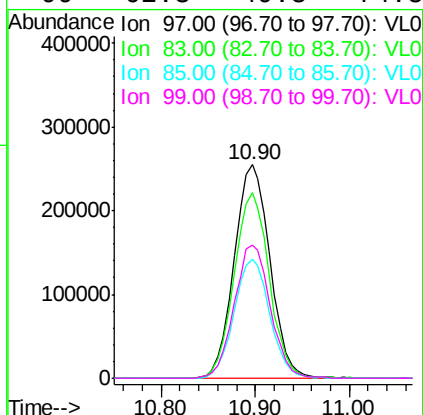
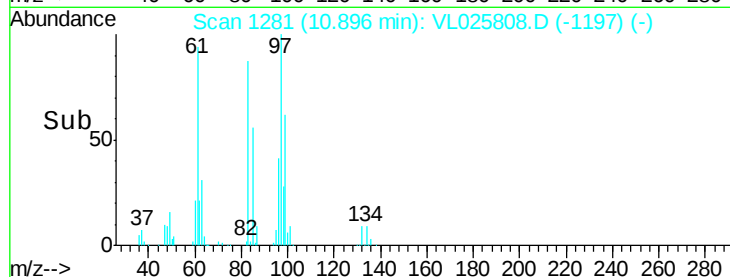
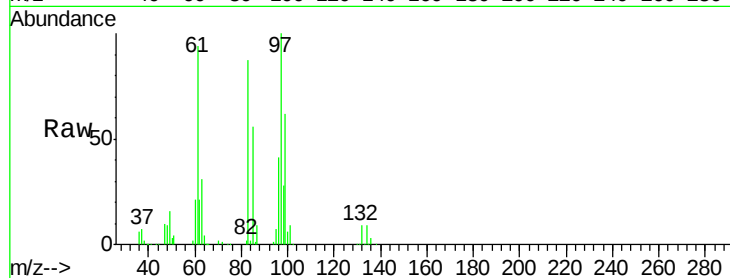
#47
 1,1,2-Trichloroethane
 Concen: 8.70 ppbv
 RT: 10.90 min Scan# 1281
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	676593		
83	86.9	67.8	101.8	
85	55.9	43.5	65.3	
99	62.3	49.8	74.8	

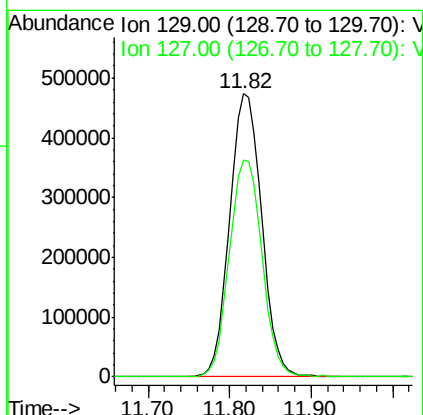
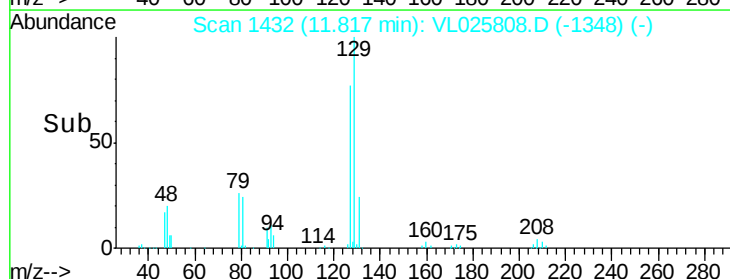
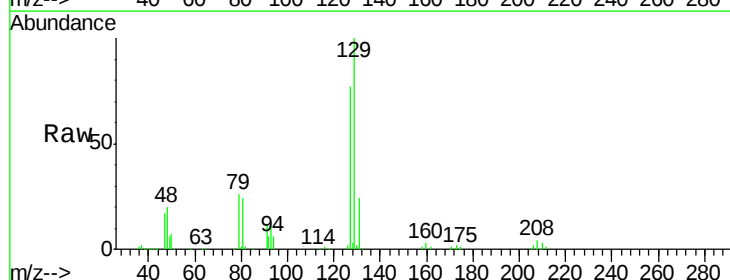
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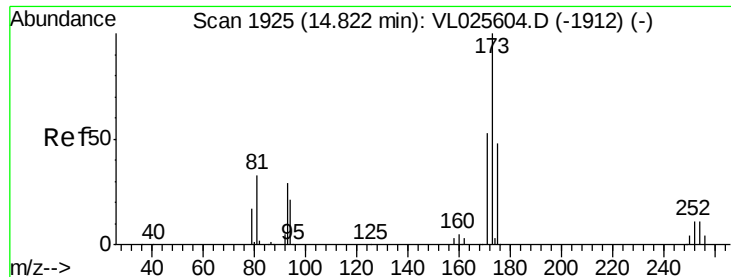
sam
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#48
 Dibromochloromethane
 Concen: 9.26 ppbv
 RT: 11.82 min Scan# 1432
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
129	100	1289771		
127	78.2	39.0	116.9	





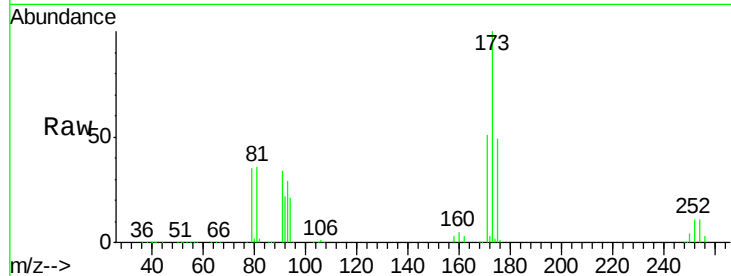
#49
Bromoform
Concen: 9.17 ppbv
RT: 14.83 min Scan# 1927
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

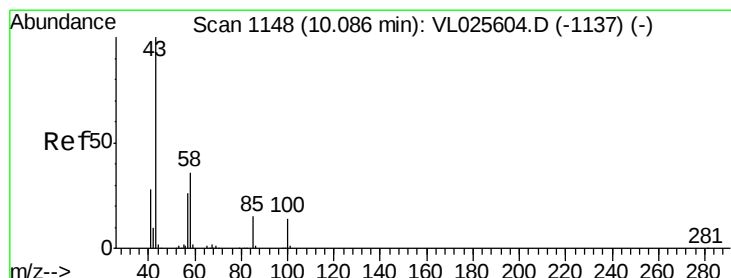
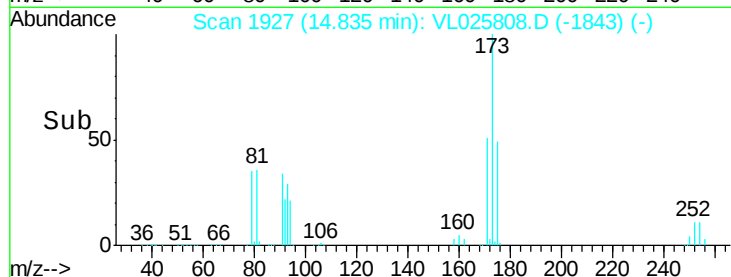
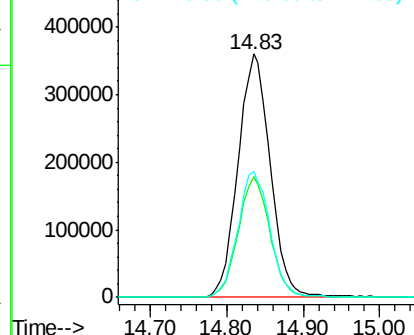
Tgt Ion: 173 Resp: 1052197
Ion Ratio Lower Upper
173 100
175 49.1 39.5 59.3
171 52.0 42.2 63.2

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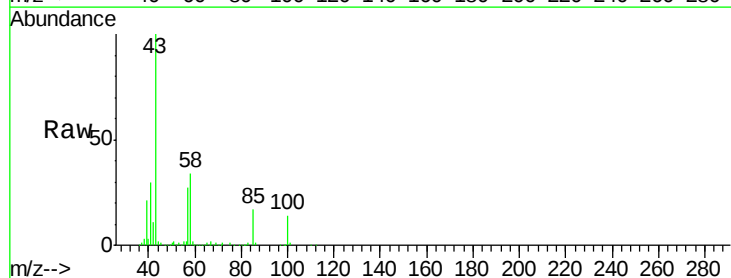


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

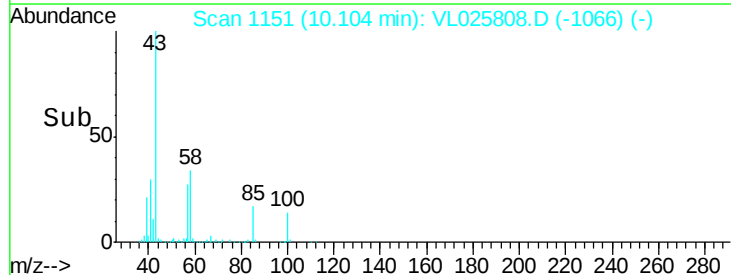
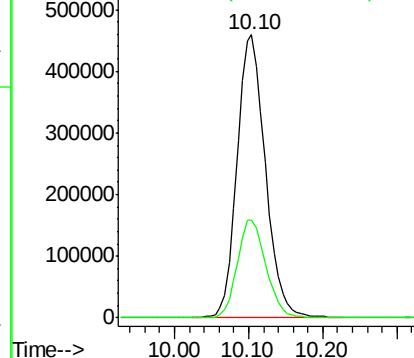


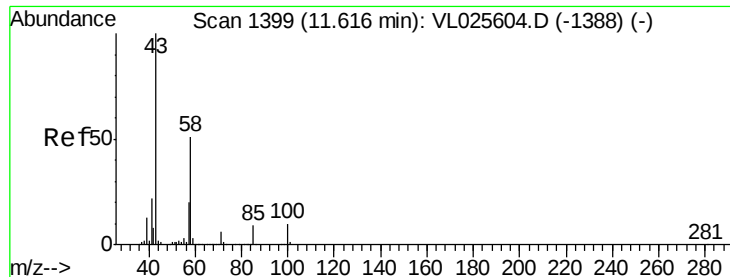
#50
4-Methyl-2-Pentanone
Concen: 9.46 ppbv
RT: 10.10 min Scan# 1151
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 43 Resp: 1222610
Ion Ratio Lower Upper
43 100
58 35.3 28.5 42.7



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





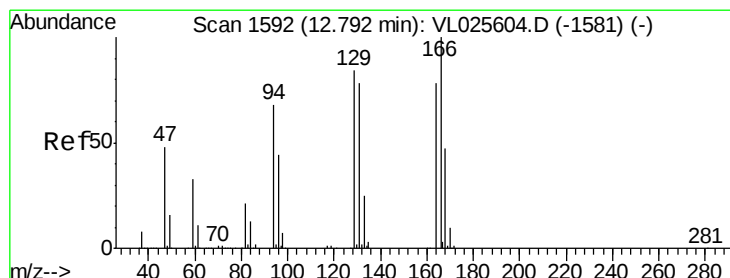
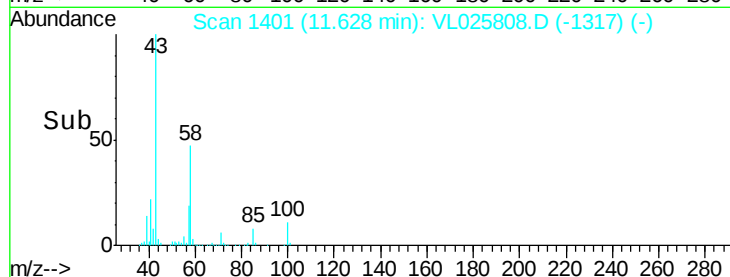
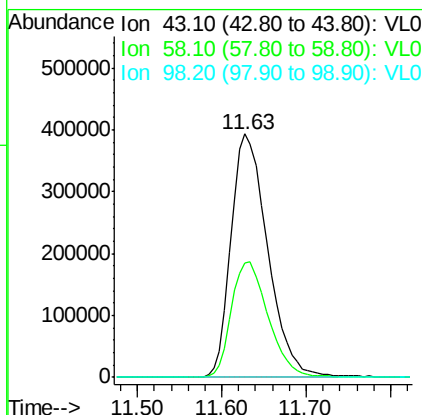
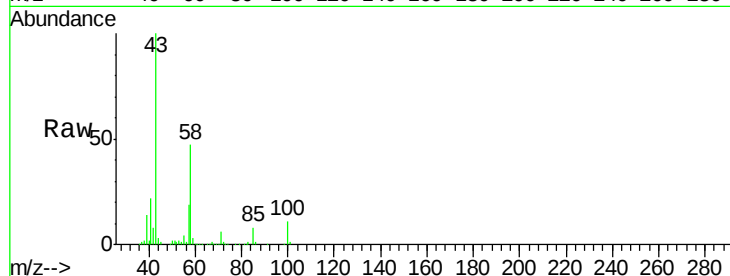
#51
2-Hexanone
Concen: 10.04 ppbv
RT: 11.63 min Scan# 1401
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 43 Resp: 1163232
Ion Ratio Lower Upper
43 100
58 47.8 39.0 58.6
98 0.4 0.2 0.4#

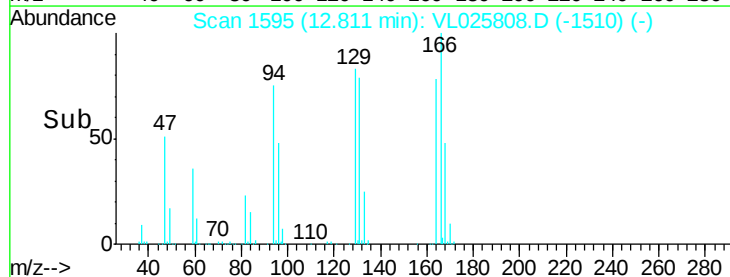
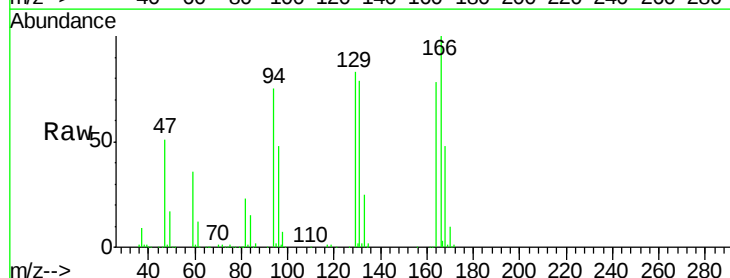
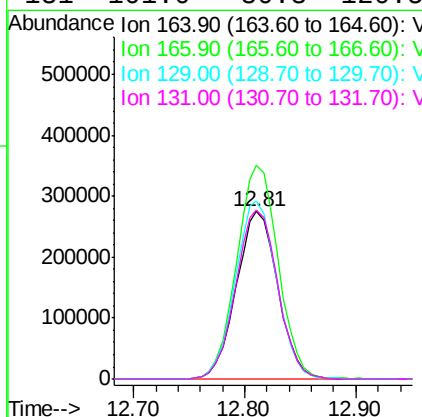
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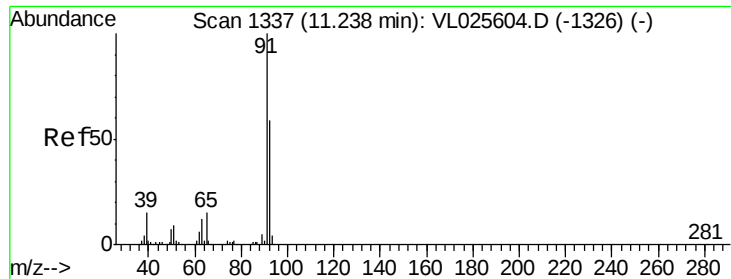
sam
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#52
Tetrachloroethene
Concen: 9.32 ppbv
RT: 12.81 min Scan# 1595
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 164 Resp: 707903
Ion Ratio Lower Upper
164 100
166 127.6 102.3 153.5
129 106.6 86.2 129.4
131 101.0 80.3 120.5





#53

Toluene

Concen: 9.34 ppbv

RT: 11.26 min Scan# 1340

Delta R.T. 0.02 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 91 Resp: 1988133

Ion Ratio Lower Upper

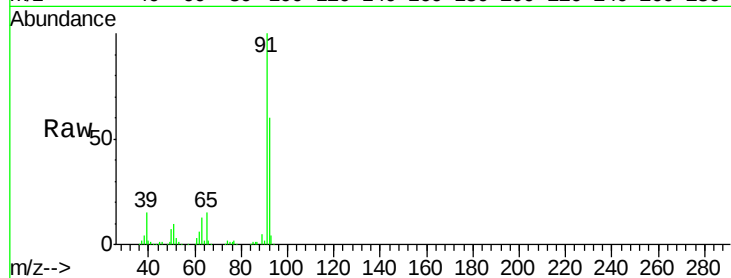
91 100

92 59.9 48.2 72.2

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

11.26

800000

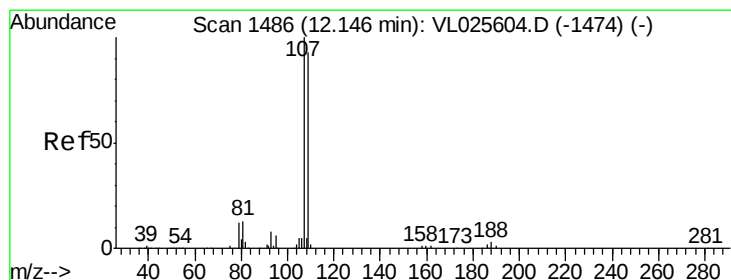
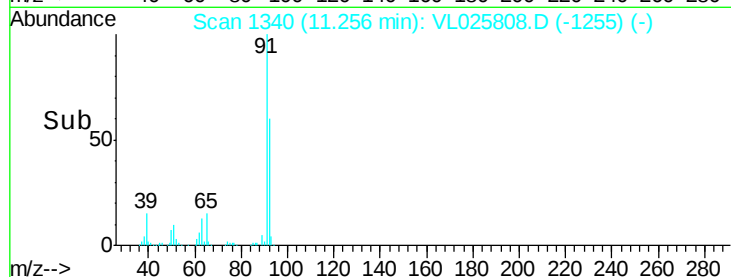
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 8.91 ppbv

RT: 12.16 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VL025808.D

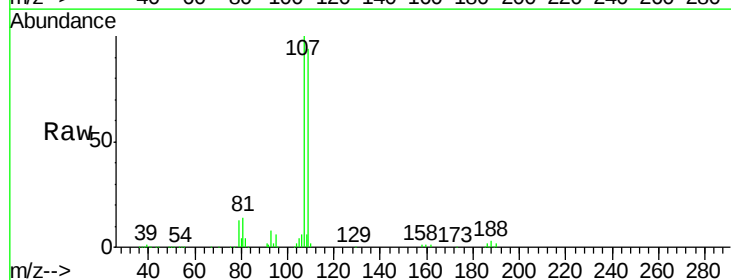
Acq: 31 Jul 2015 11:21

Tgt Ion: 107 Resp: 1121152

Ion Ratio Lower Upper

107 100

109 93.6 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12.16

400000

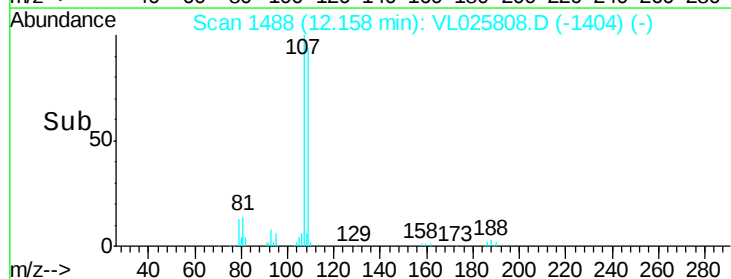
300000

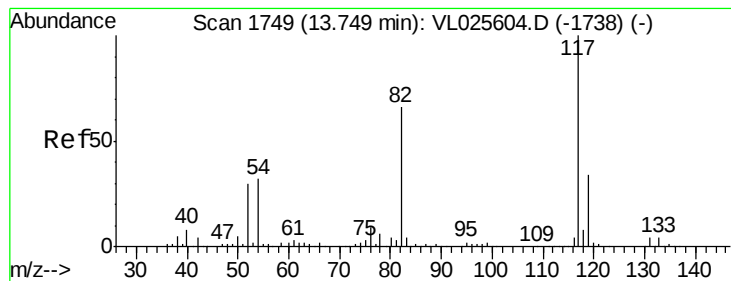
200000

100000

0

Time-->





#55

Chlorobenzene-d5

Concen: 10.00 ppbv m

RT: 13.77 min Scan# 1752

Delta R.T. 0.02 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion:117 Resp: 2035700

Ion Ratio Lower Upper

117 100

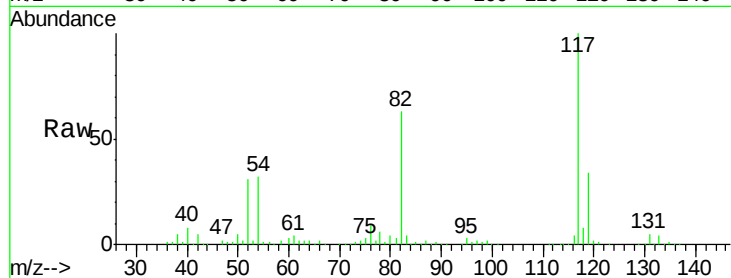
82 69.4 50.5 75.7

119 60.1 45.1 67.7

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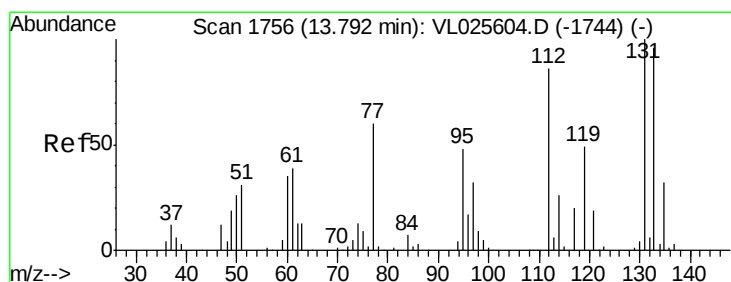
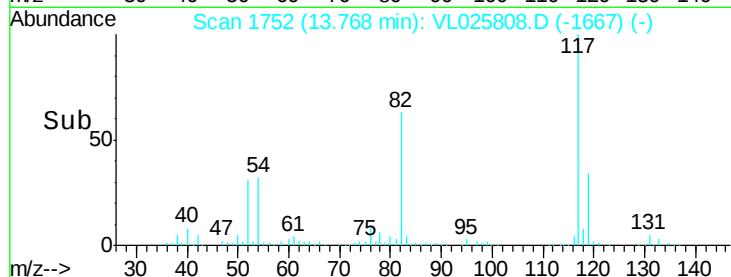
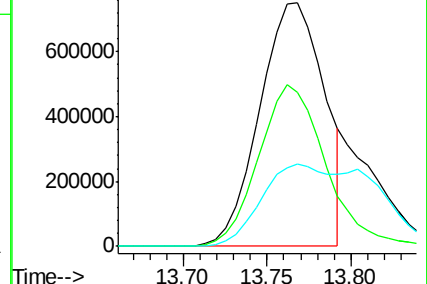
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.96 ppbv

RT: 13.80 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

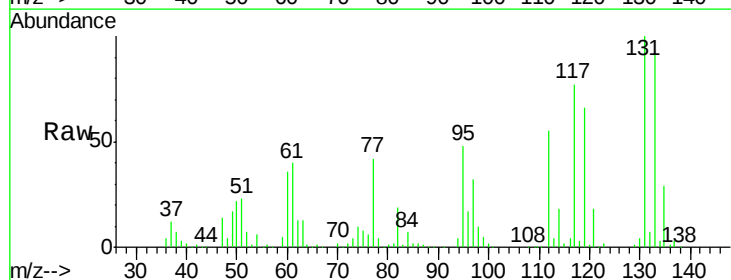
Tgt Ion:131 Resp: 985579

Ion Ratio Lower Upper

131 100

133 94.7 76.9 115.3

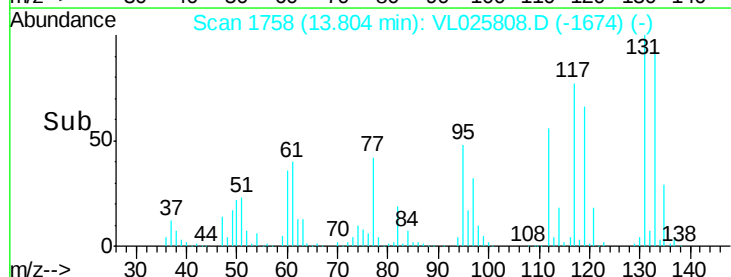
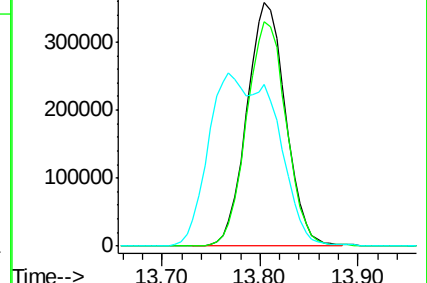
119 124.2 97.8 146.8

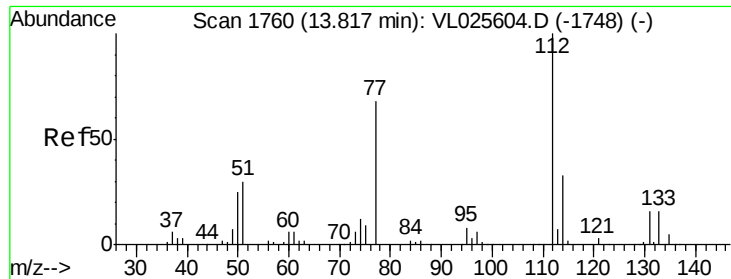


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





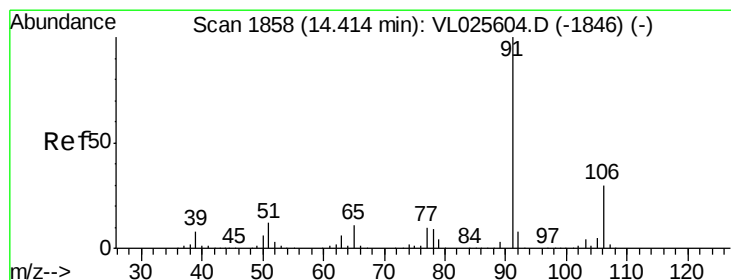
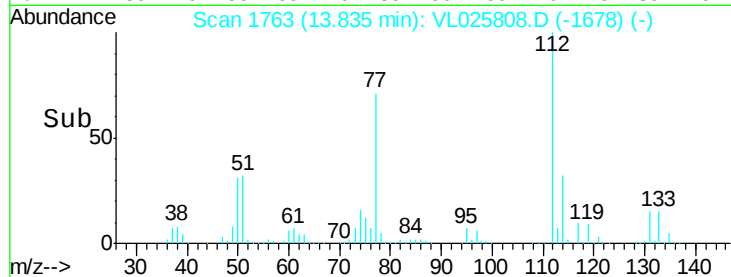
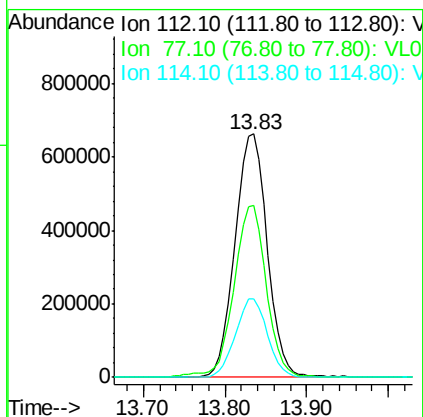
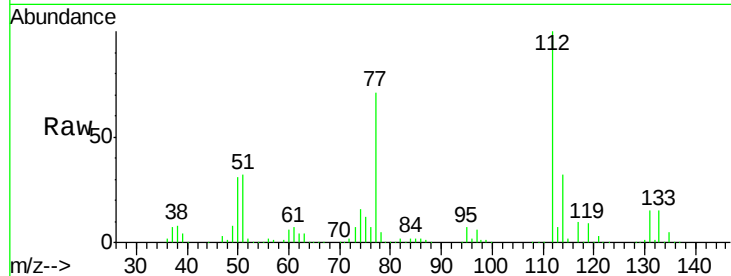
#57
Chlorobenzene
Concen: 8.39 ppbv
RT: 13.83 min Scan# 1763
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 112 Resp: 1816596
Ion Ratio Lower Upper
112 100
77 70.4 55.2 82.8
114 32.2 29.4 36.0

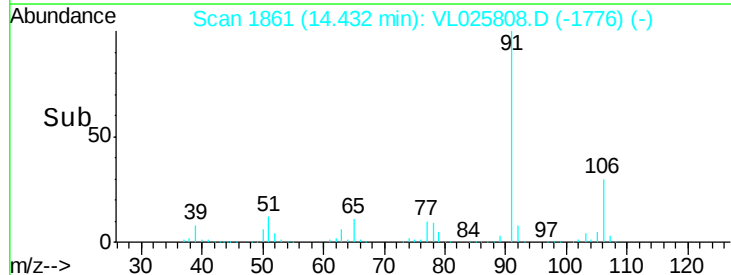
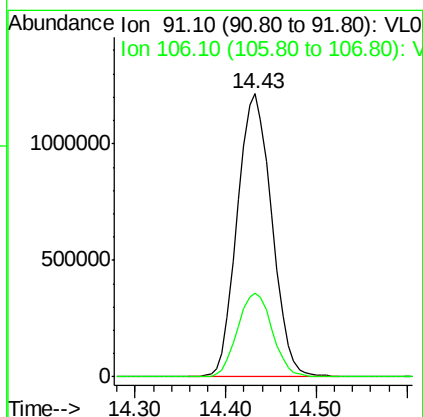
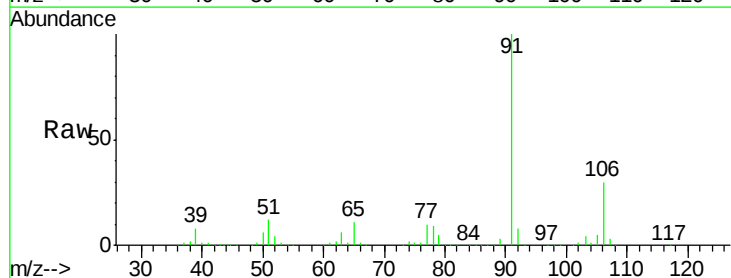
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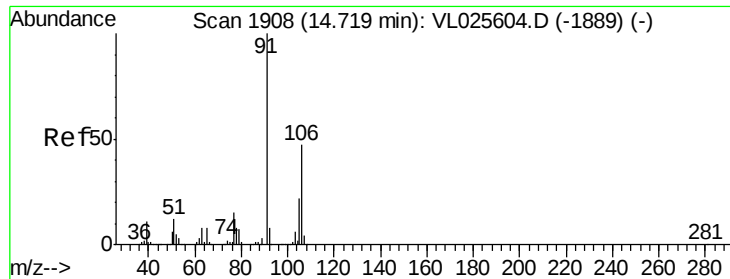
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#58
Ethyl Benzene
Concen: 9.56 ppbv
RT: 14.43 min Scan# 1861
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 3213774
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.2





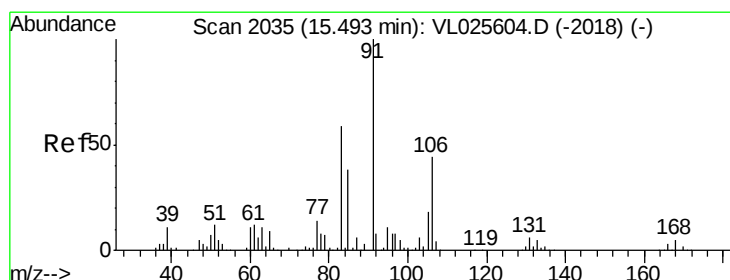
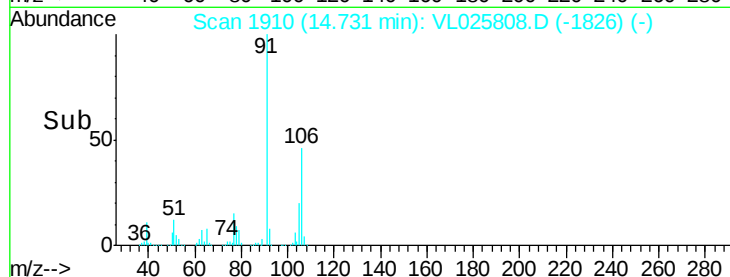
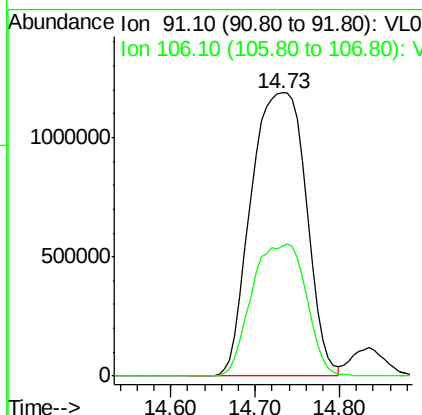
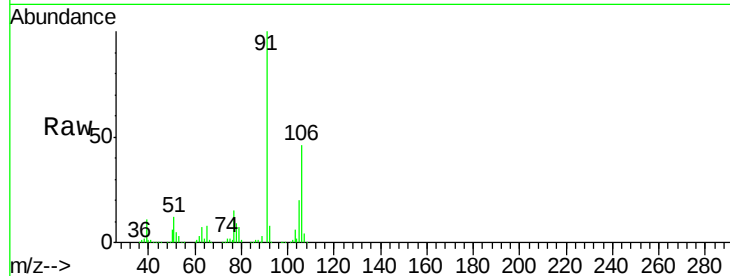
#59
m/p-Xylene
Concen: 18.10 ppbv
RT: 14.73 min Scan# 1910
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 91 Resp: 5348883
Ion Ratio Lower Upper
91 100
106 46.3 37.9 56.9

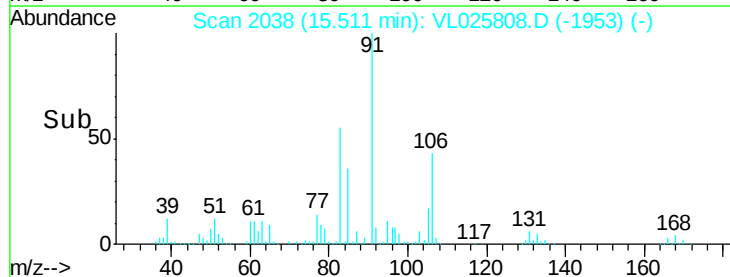
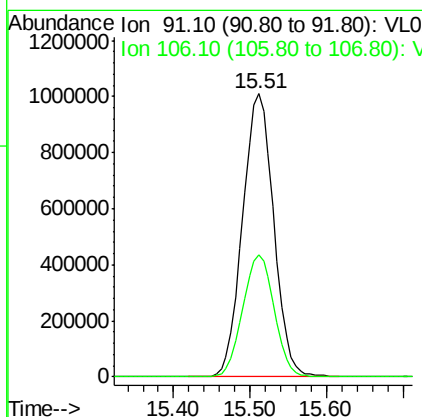
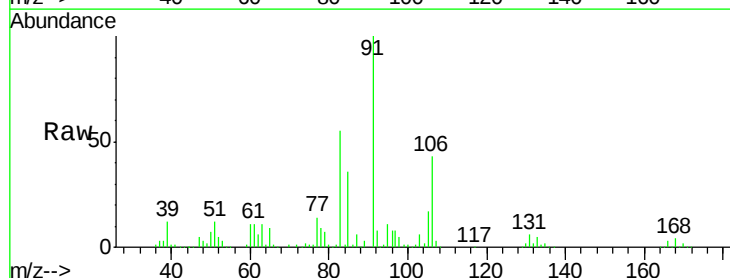
Manual Integrations
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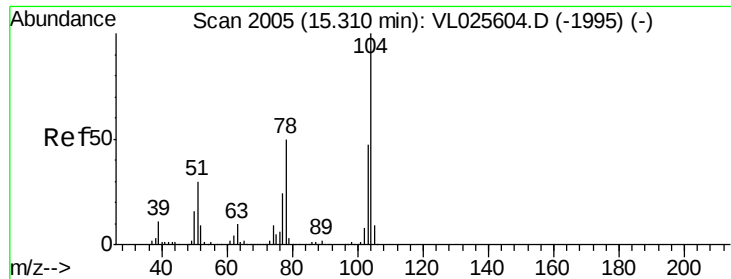
sam
8/4/2015 12:03:34 PM



#60
o-Xylene
Concen: 8.99 ppbv
RT: 15.51 min Scan# 2038
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 2861366
Ion Ratio Lower Upper
91 100
106 43.8 22.1 66.1





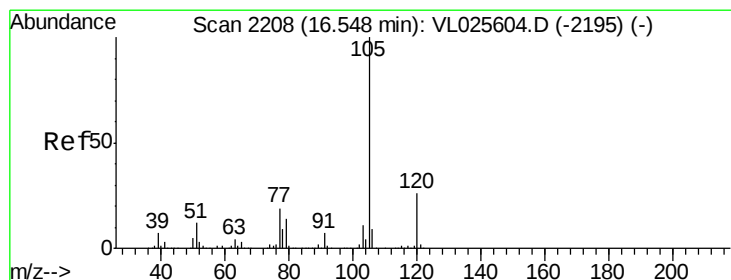
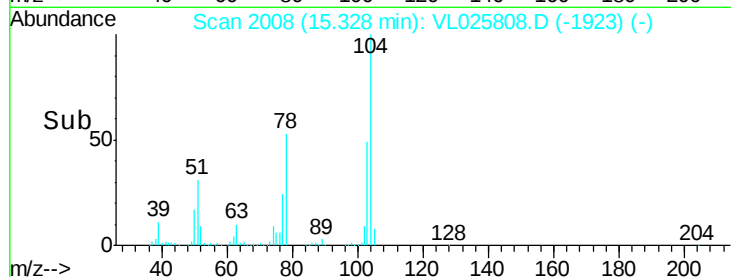
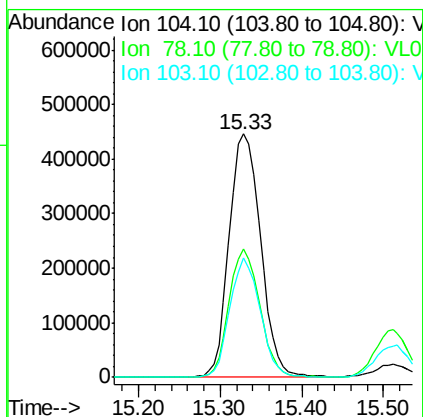
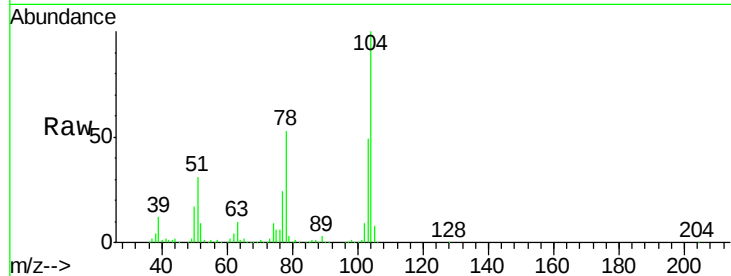
#61
Styrene
Concen: 10.74 ppbv
RT: 15.33 min Scan# 2008
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion:104 Resp: 1196883
Ion Ratio Lower Upper
104 100
78 51.6 40.2 60.4
103 47.1 37.4 56.2

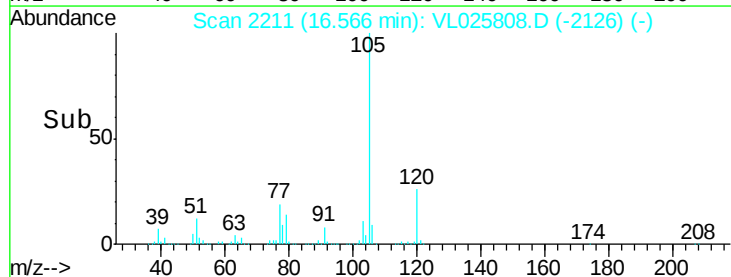
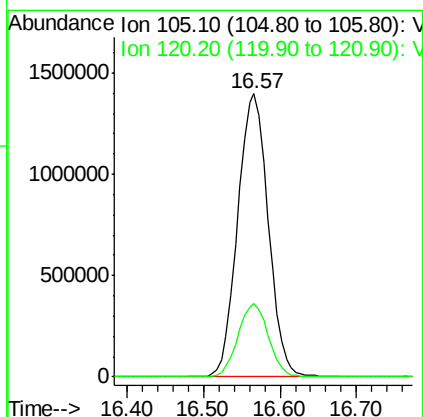
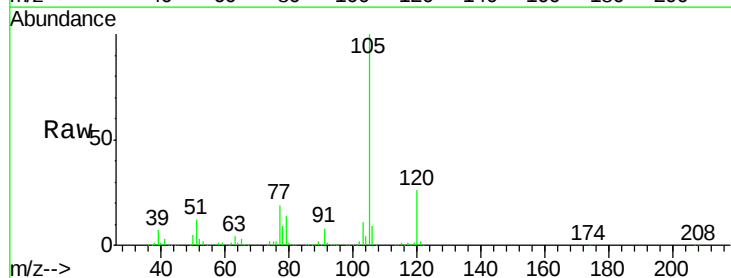
Manual Integrations
APPROVED

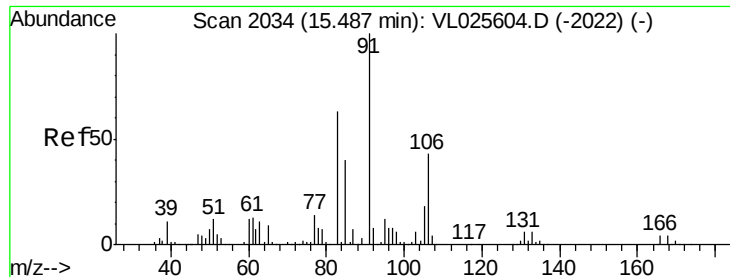
sam
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#62
Isopropylbenzene
Concen: 9.33 ppbv
RT: 16.57 min Scan# 2211
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion:105 Resp: 3880926
Ion Ratio Lower Upper
105 100
120 25.7 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.17 ppbv

RT: 15.51 min Scan# 2037

Delta R.T. 0.02 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 83 Resp: 1758045

Ion Ratio Lower Upper

83 100

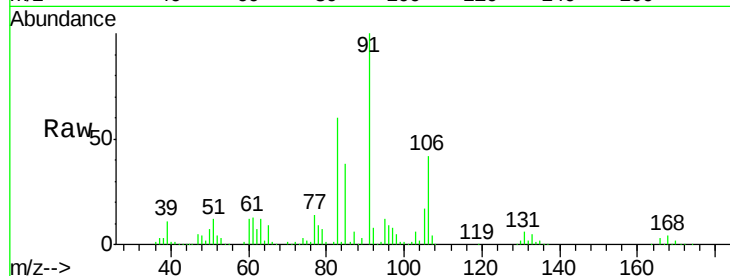
131 9.8 4.8 14.4

85 65.5 32.4 97.2

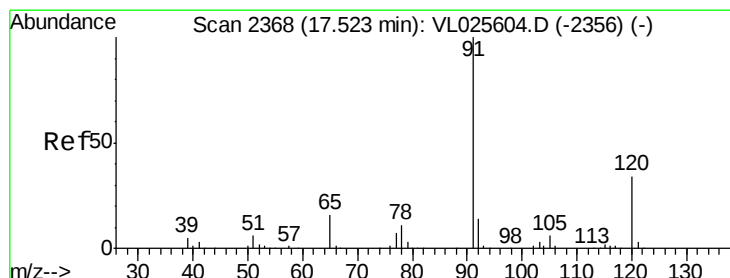
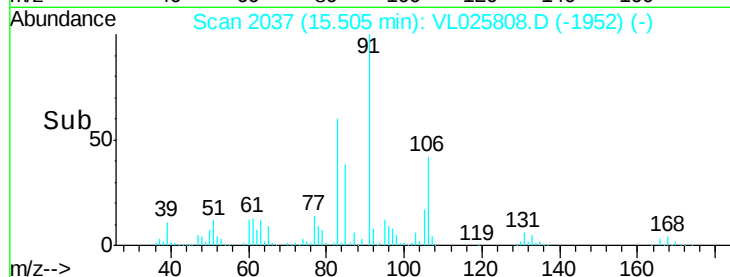
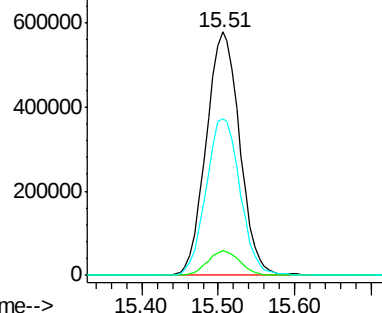
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.27 ppbv

RT: 17.54 min Scan# 2371

Delta R.T. 0.02 min

Lab File: VL025808.D

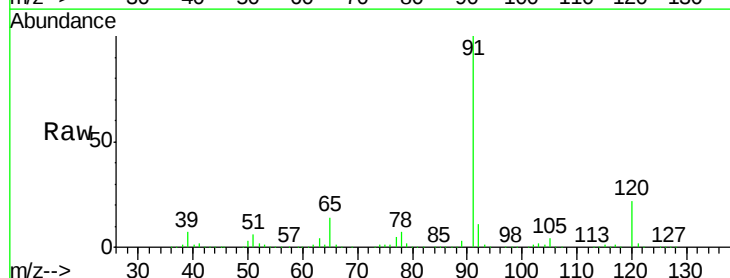
Acq: 31 Jul 2015 11:21

Tgt Ion: 120 Resp: 1042381

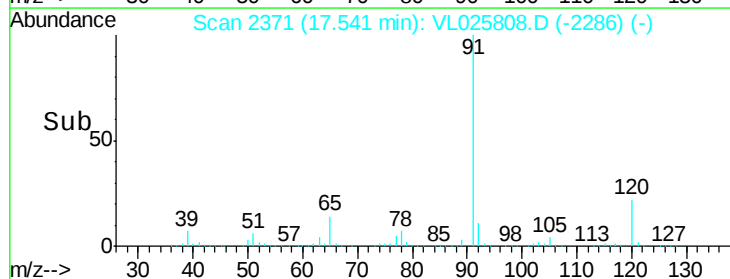
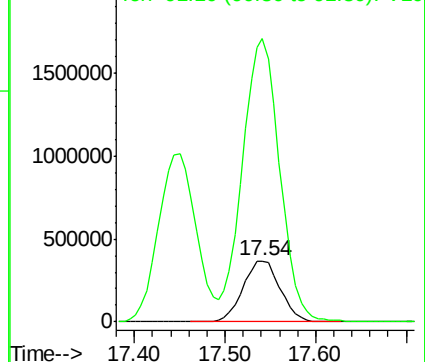
Ion Ratio Lower Upper

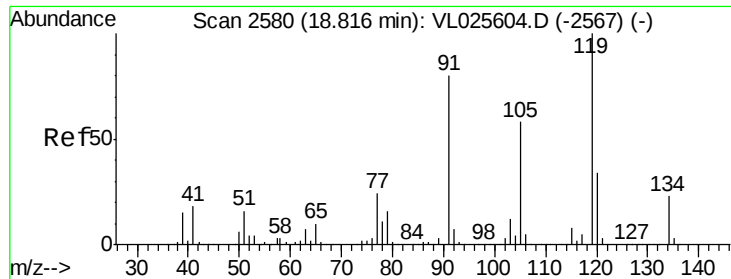
120 100

91 470.4 370.5 555.7



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





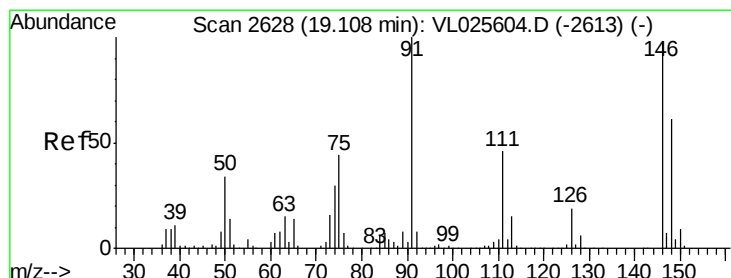
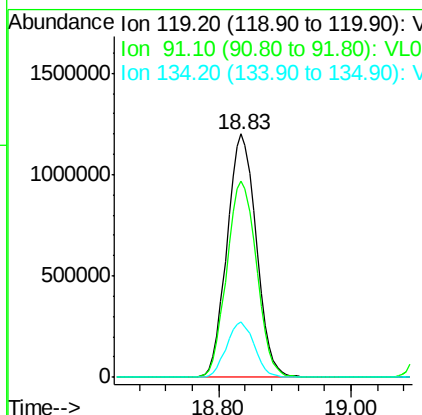
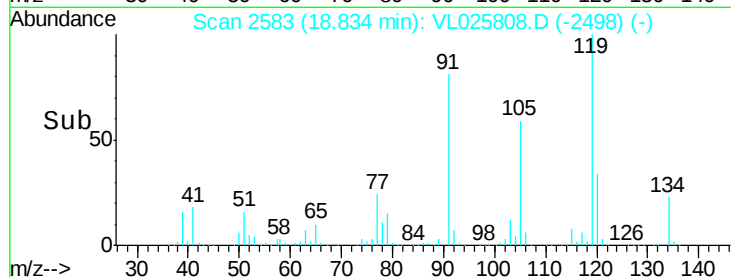
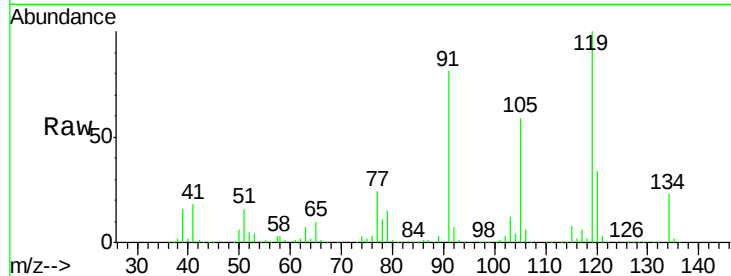
#65
 tert-Butylbenzene
 Concen: 9.03 ppbv
 RT: 18.83 min Scan# 2583
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 119 Resp: 3688682
 Ion Ratio Lower Upper
 119 100
 91 82.4 64.5 96.7
 134 21.7 17.4 26.0

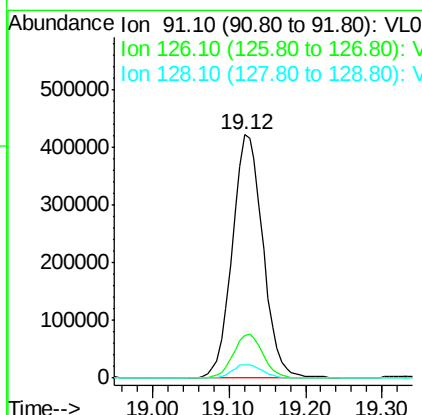
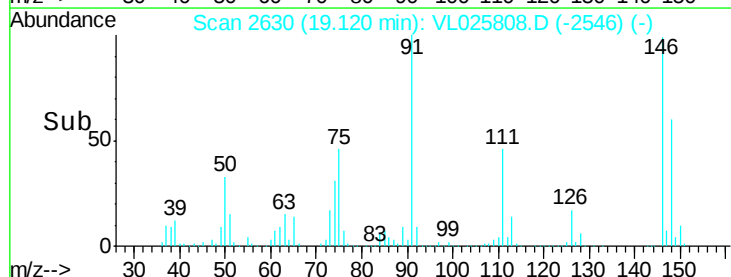
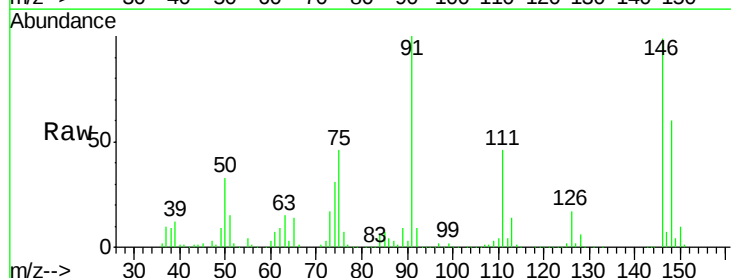
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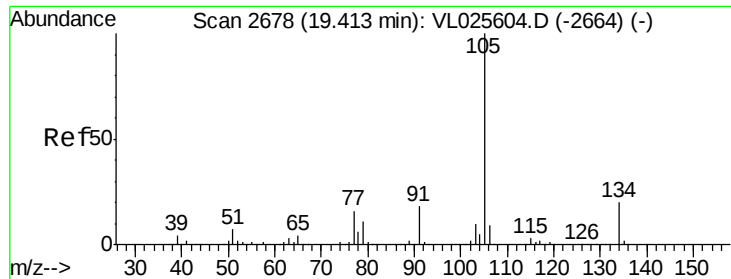
sam
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#66
 Benzyl Chloride
 Concen: 7.78 ppbv
 RT: 19.12 min Scan# 2630
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 1165604
 Ion Ratio Lower Upper
 91 100
 126 17.5 14.5 21.7
 128 5.6 4.6 7.0





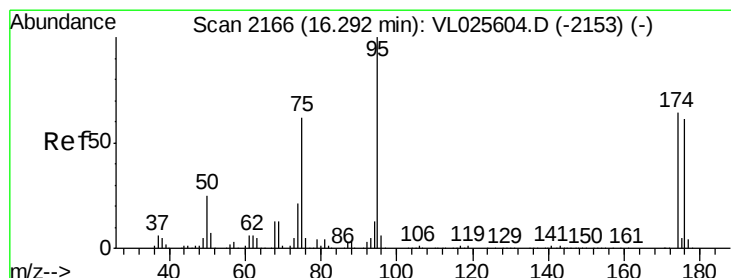
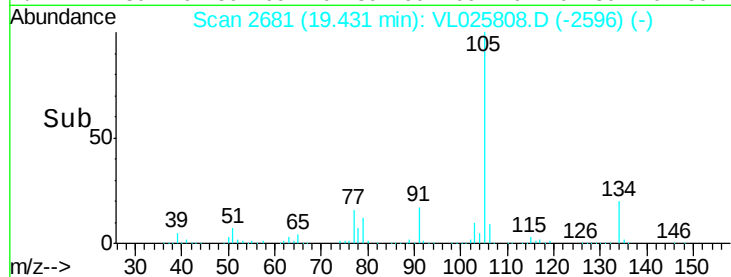
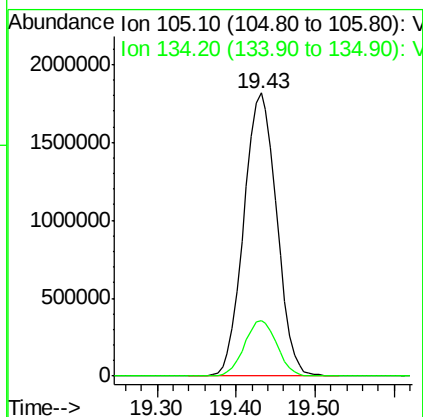
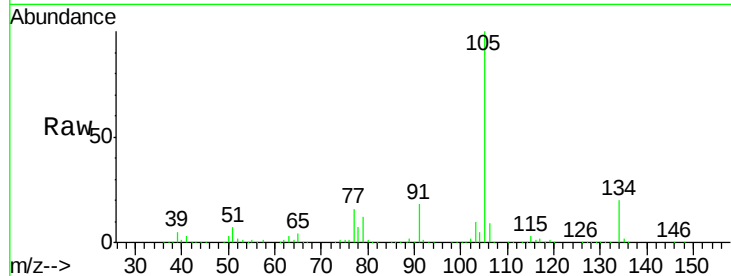
#67
 sec-Butylbenzene
 Concen: 9.21 ppbv
 RT: 19.43 min Scan# 2681
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion: 105 Resp: 5266992
 Ion Ratio Lower Upper
 105 100
 134 19.4 15.4 23.2

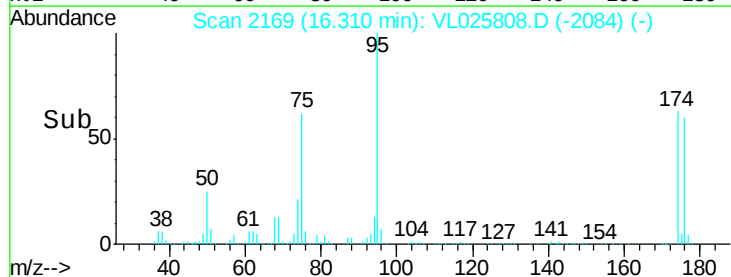
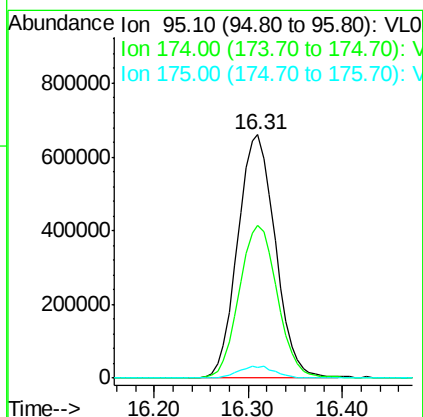
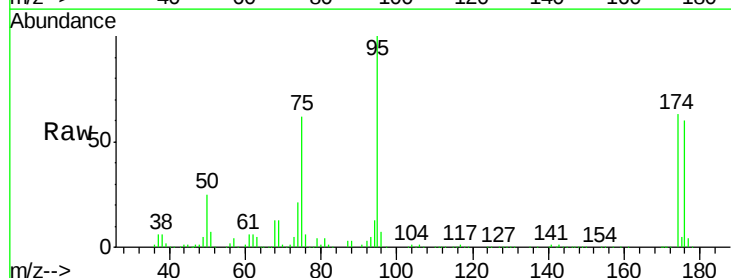
Manual Integrations
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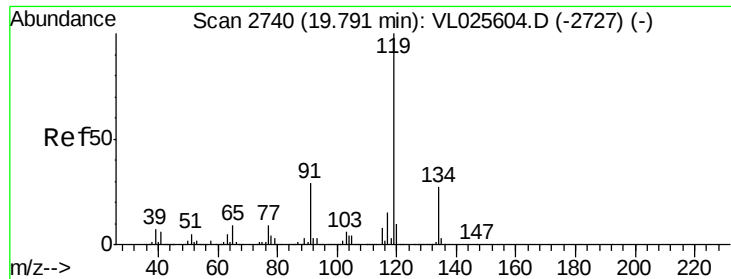
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.72 ppbv
 RT: 16.31 min Scan# 2169
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion: 95 Resp: 1840783
 Ion Ratio Lower Upper
 95 100
 174 64.0 52.0 78.0
 175 4.9 3.9 5.9





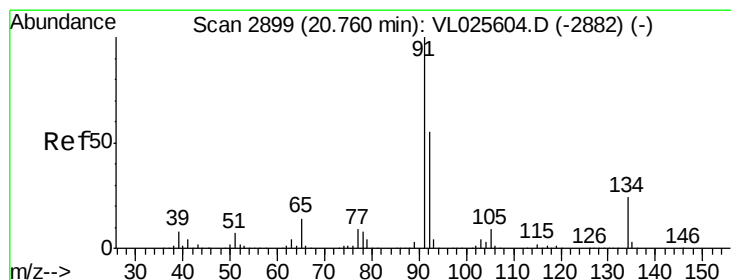
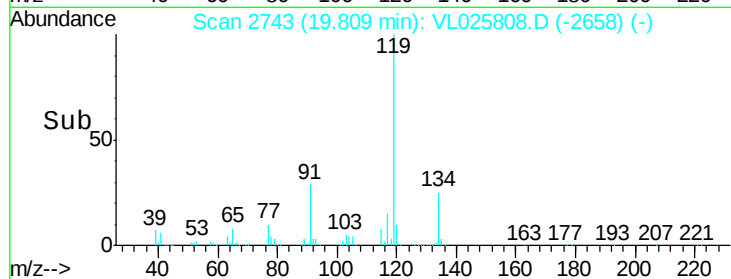
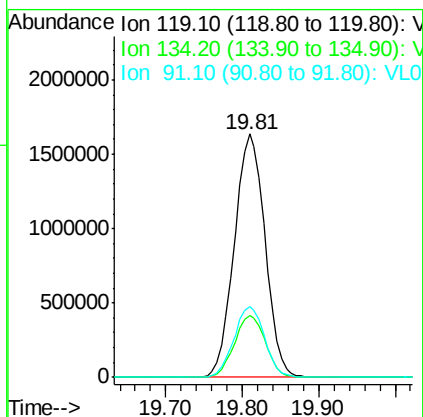
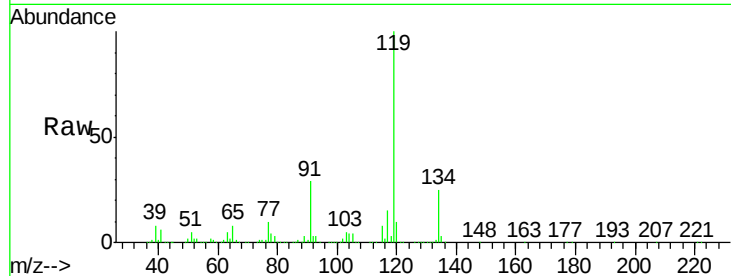
#69
p-Isopropyltoluene
Concen: 9.65 ppbv
RT: 19.81 min Scan# 2743
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tgt Ion: 119 Resp: 4550969
Ion Ratio Lower Upper
119 100
134 25.6 20.7 31.1
91 28.9 22.6 34.0

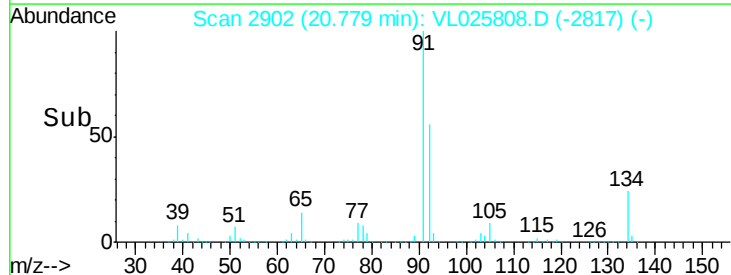
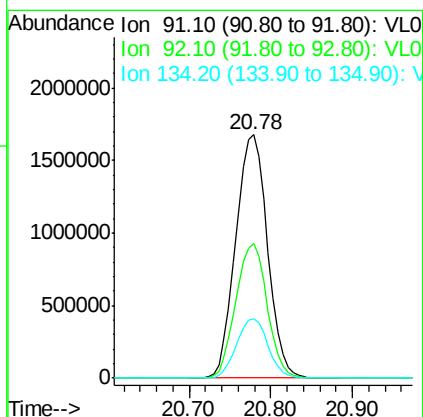
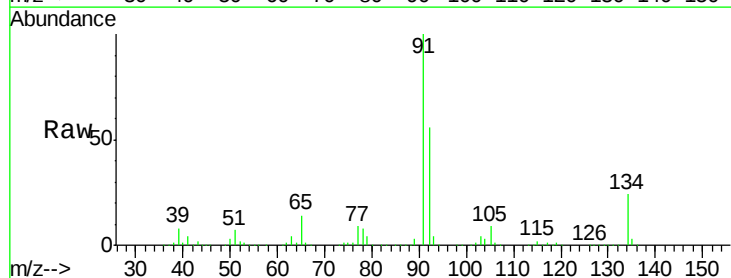
Manual Integrations
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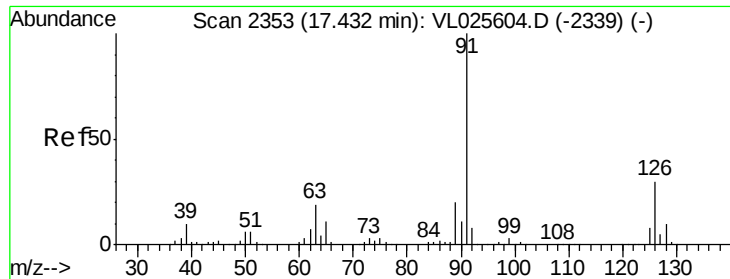
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#70
n-Butylbenzene
Concen: 9.46 ppbv
RT: 20.78 min Scan# 2902
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion: 91 Resp: 4524682
Ion Ratio Lower Upper
91 100
92 54.6 44.3 66.5
134 24.2 19.4 29.2





#71

2-Chlorotoluene

Concen: 9.65 ppbv

RT: 17.45 min Scan# 2356

Delta R.T. 0.02 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tgt Ion: 91 Resp: 2944645

Ion Ratio Lower Upper

91 100

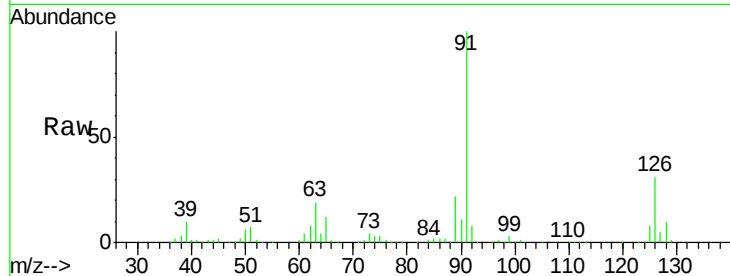
126 30.7 12.2 49.0

Manual Integrations

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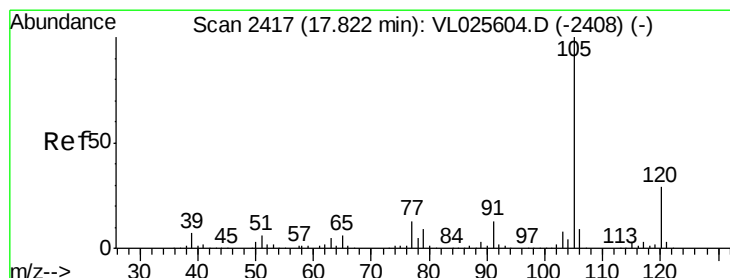
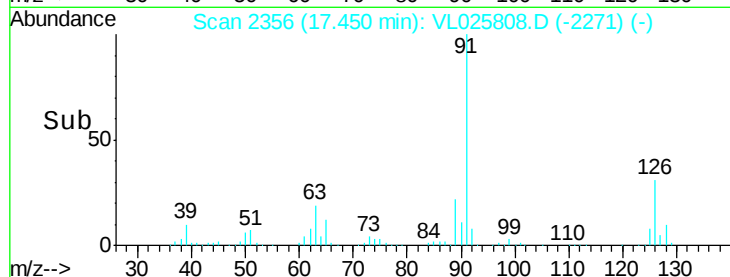
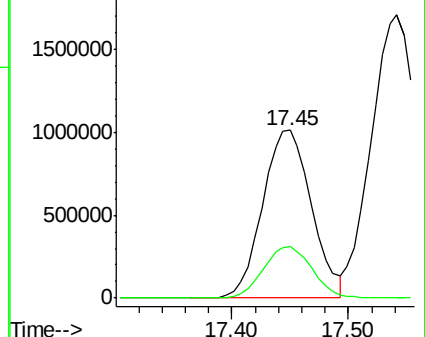
sam

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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: 9.66 ppbv

RT: 17.84 min Scan# 2420

Delta R.T. 0.02 min

Lab File: VL025808.D

Acq: 31 Jul 2015 11:21

Tgt Ion: 105 Resp: 3396982

Ion Ratio Lower Upper

105 100

120 29.9 23.9 35.9

91 13.6 10.3 15.5

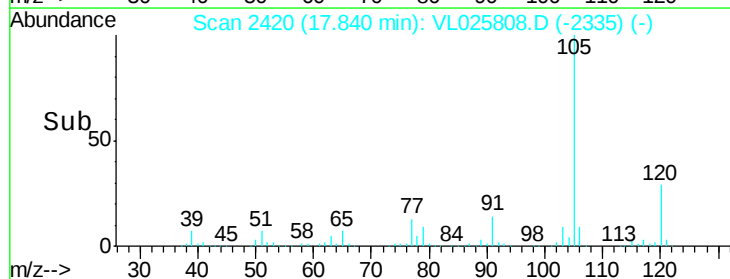
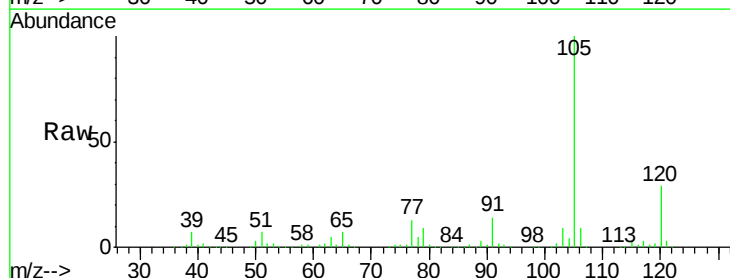
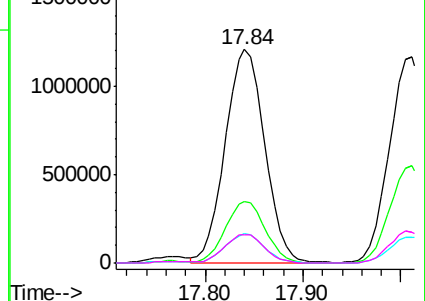
77 13.9 10.9 16.3

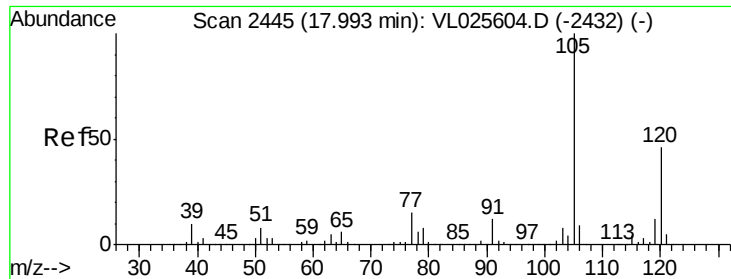
Abundance Ion 105.10 (104.80 to 105.80): V

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





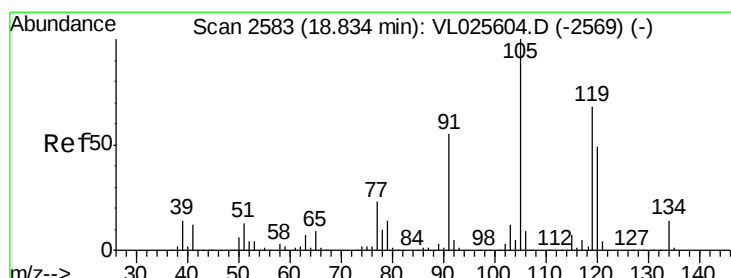
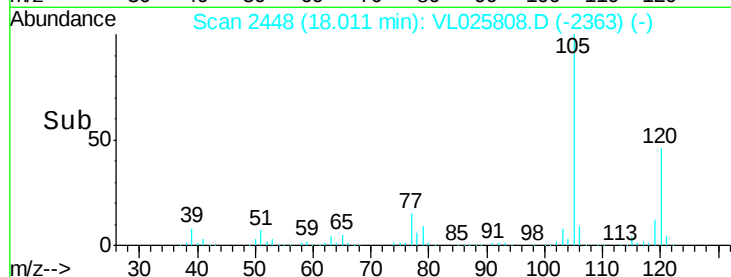
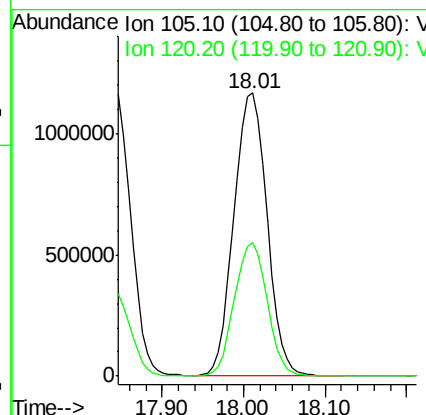
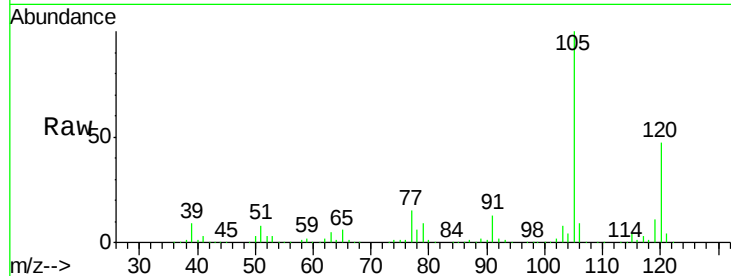
#73
 1,3,5-Trimethylbenzene
 Concen: 9.49 ppbv
 RT: 18.01 min Scan# 2448
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion:105 Resp: 3282217
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.0 55.4

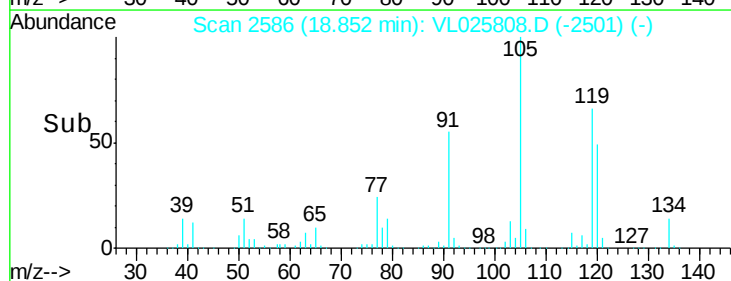
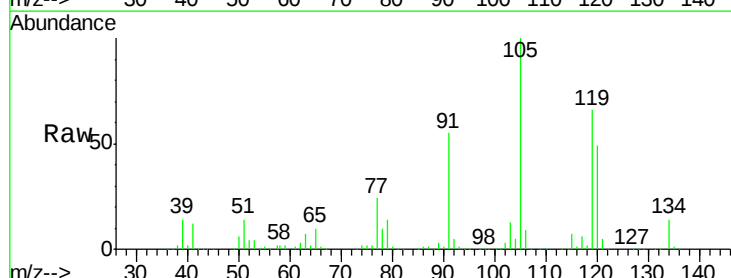
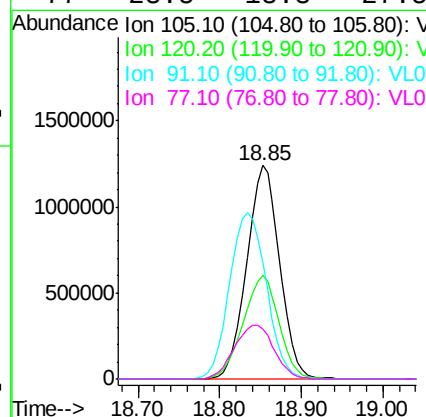
Manual Integrations
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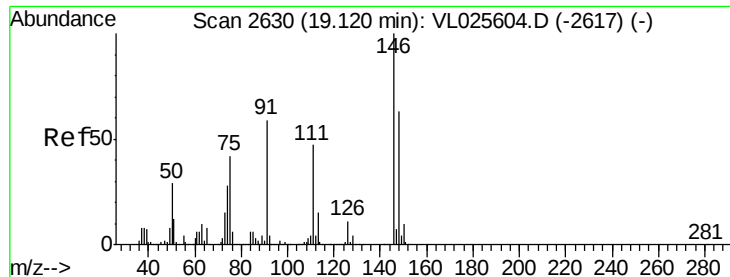
sam
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.00 ppbv
 RT: 18.85 min Scan# 2586
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion:105 Resp: 3486603
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.3 58.9
 91 54.5 43.8 65.6
 77 23.5 18.3 27.5





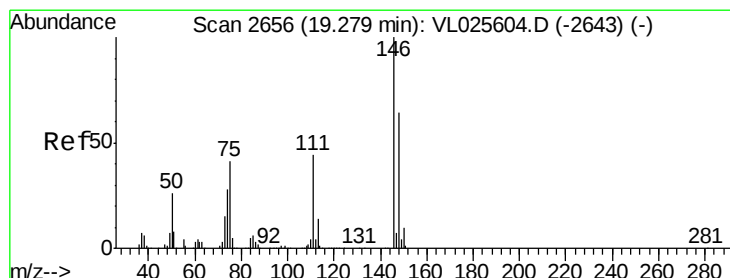
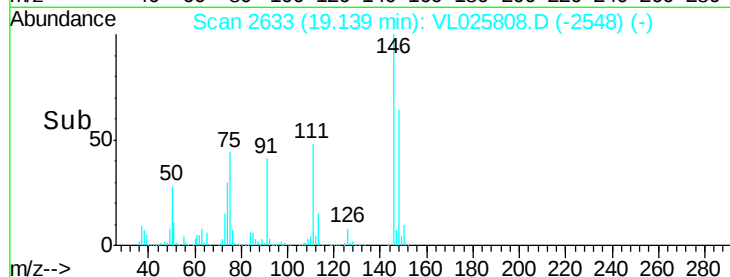
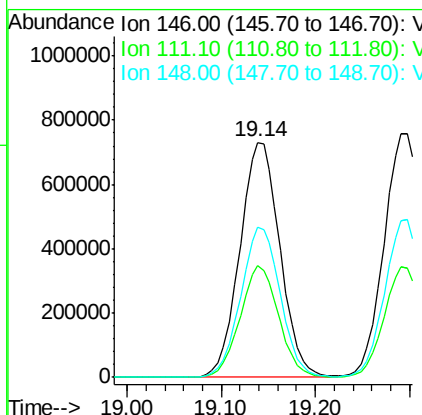
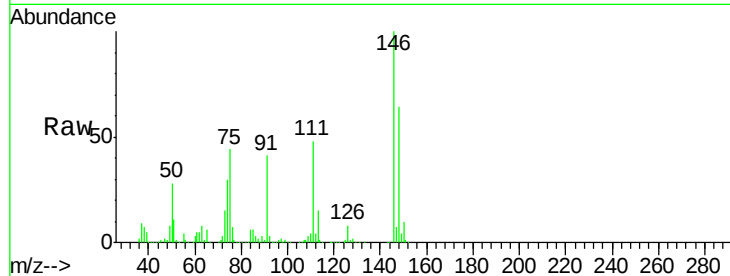
#75
 1,3-Dichlorobenzene
 Concen: 8.64 ppbv
 RT: 19.14 min Scan# 2633
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion:146 Resp: 2178403
 Ion Ratio Lower Upper
 146 100
 111 46.0 22.7 68.1
 148 63.2 31.8 95.3

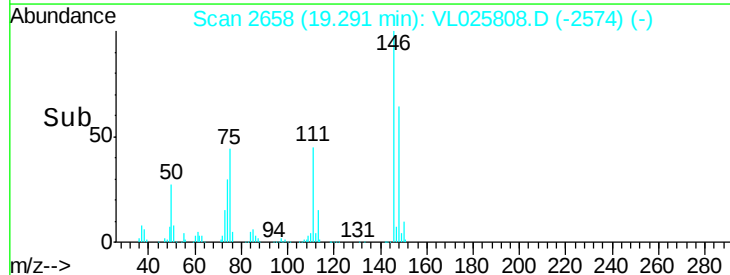
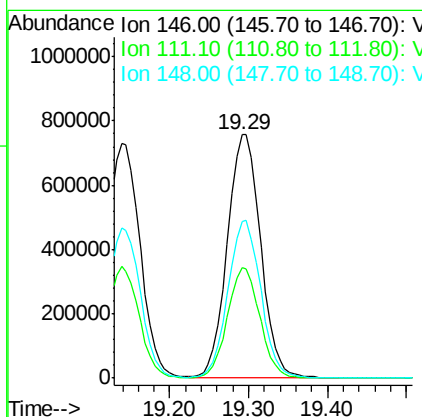
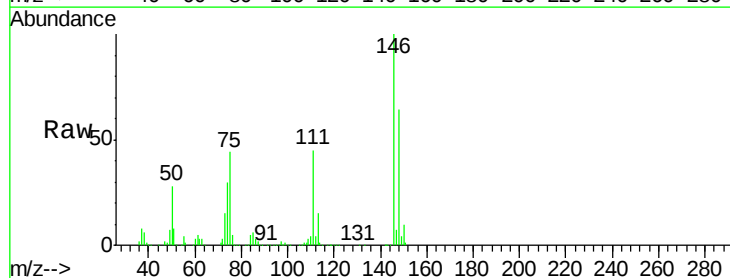
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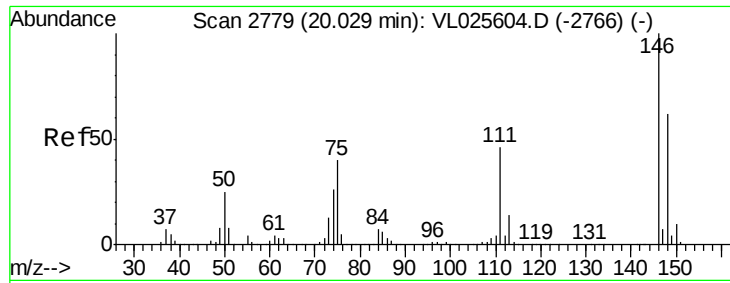
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#76
 1,4-Dichlorobenzene
 Concen: 8.81 ppbv
 RT: 19.29 min Scan# 2658
 Delta R.T. 0.01 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion:146 Resp: 2225395
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.1 66.1
 148 64.3 31.9 95.9





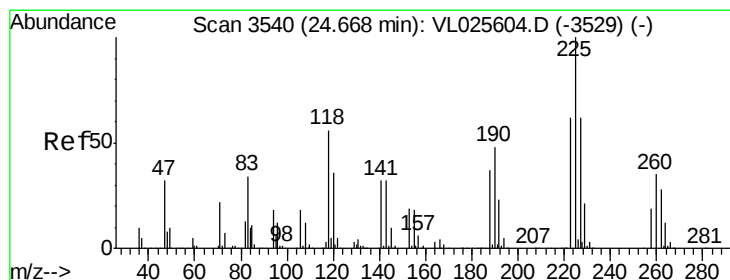
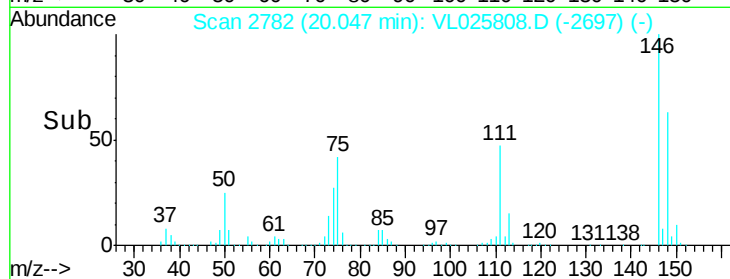
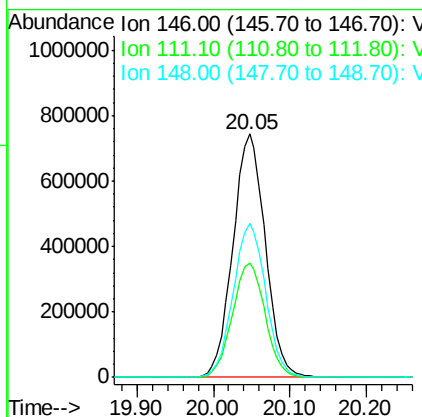
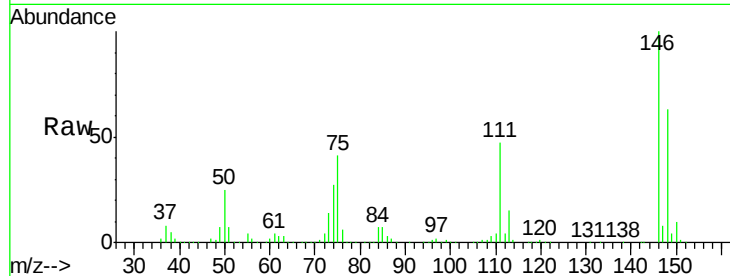
#77
 1,2-Dichlorobenzene
 Concen: 8.73 ppbv
 RT: 20.05 min Scan# 2782
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0731ABS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.4	70.3
148	63.5	31.6	94.8

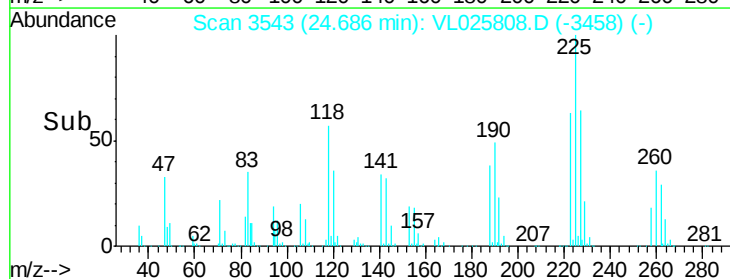
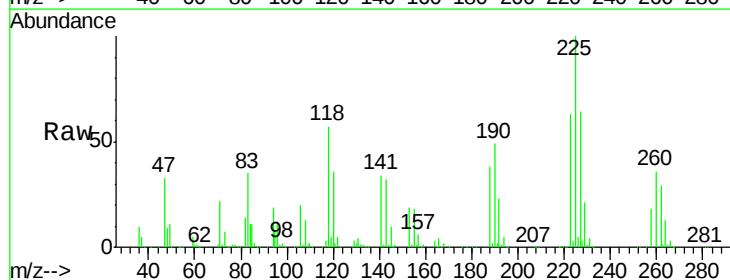
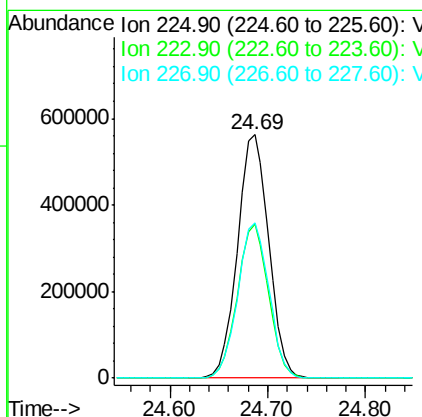
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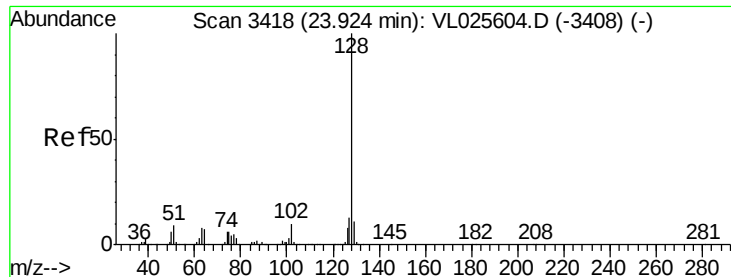
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.10 ppbv
 RT: 24.69 min Scan# 3543
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	63.8	50.5	75.7





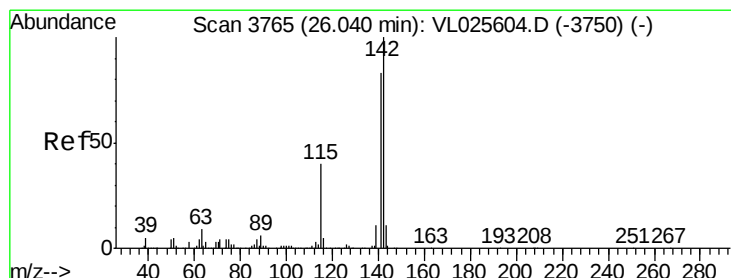
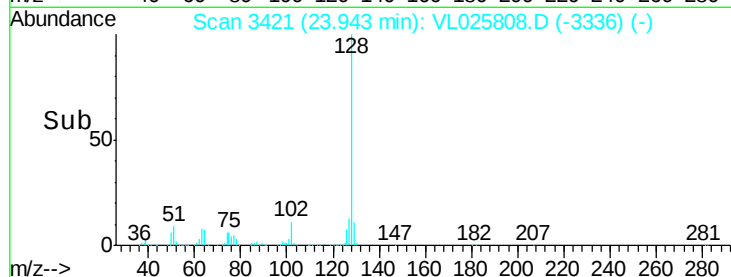
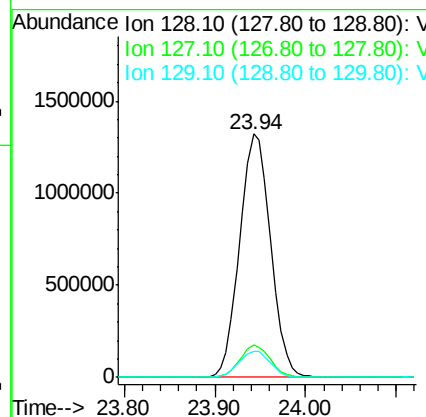
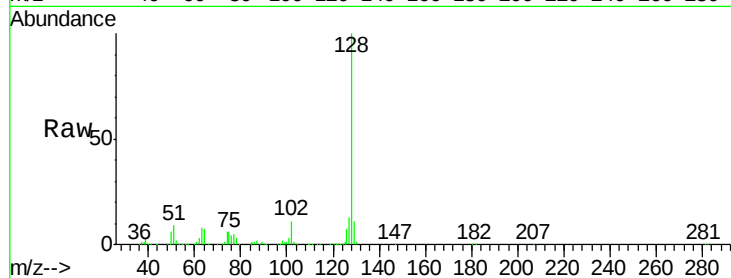
#79
Naphthalene
Concen: 8.38 ppbv
RT: 23.94 min Scan# 3421
Delta R.T. 0.02 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

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

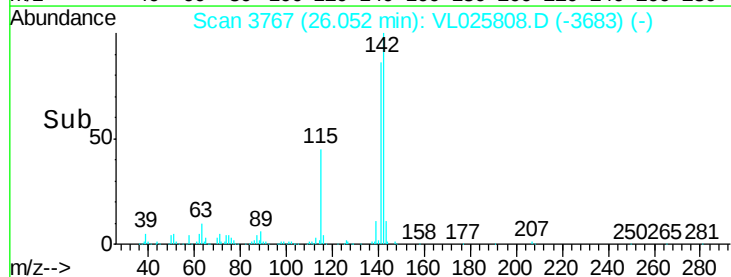
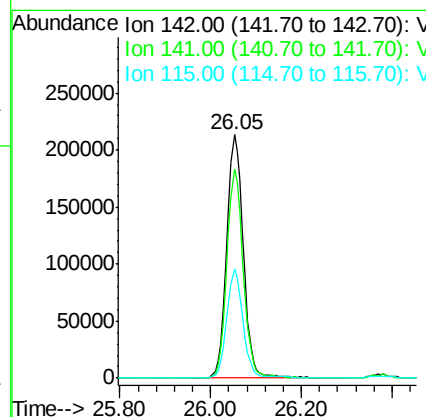
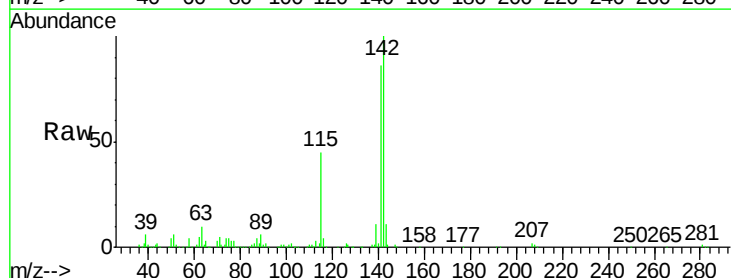
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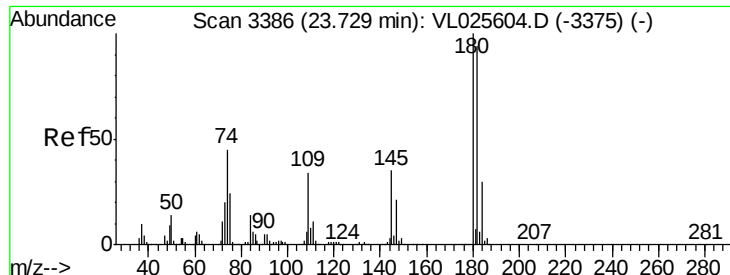
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#80
Naphthalene, 2-methyl-
Concen: 5.03 ppbv
RT: 26.05 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VL025808.D
Acq: 31 Jul 2015 11:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	67.1	100.7
115	44.7	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.13 ppbv
 RT: 23.75 min Scan# 3389
 Delta R.T. 0.02 min
 Lab File: VL025808.D
 Acq: 31 Jul 2015 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
184	30.3	24.4	36.6

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