

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026175.D
 Acq On : 9 Oct 2015 12:57
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMdadoda
 10/12/2015 1:25:25 PM

Quant Time: Oct 09 14:30:34 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:30:34 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.66	49	932555	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2490699	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2865462	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	2250293	10.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	92985	0.69	ppbv	100
3) Chlorodifluoromethane	3.58	51	57459	0.54	ppbv	99
4) Chloromethane	3.76	50	30865	0.49	ppbv	100
5) Vinyl Chloride	3.90	62	30773	0.46	ppbv	95
6) Bromomethane	4.15	94	23089	0.54	ppbv	96
7) Chloroethane	4.25	64	13706	0.52	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	80278	0.55	ppbv	98
9) Propene	3.60	41	24634	0.45	ppbv	95
10) Heptane	9.37	43	86615	0.46	ppbv	100
11) Trichlorofluoromethane	4.70	101	89847	0.59	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.31	101	61279	0.58	ppbv	100
13) Ethanol	4.39	45	4384m	0.67	ppbv	
14) Bromoethene	4.46	108	23712	0.52	ppbv	99
15) Acetone	4.64	43	73368	0.63	ppbv #	87
16) 1,3-Butadiene	3.98	39	27687	0.48	ppbv	95
17) tert-Butyl alcohol	5.18	59	35415	0.47	ppbv	99
18) 1,1-Dichloroethene	5.09	96	26866	0.54	ppbv	97
19) Isopropyl Alcohol	4.80	45	22263	0.46	ppbv #	1
20) Methylene Chloride	5.16	84	28304	0.57	ppbv	96
21) Allyl Chloride	5.23	41	38764	0.48	ppbv #	85
22) trans-1,2-Dichloroethene	5.78	96	34085	0.51	ppbv	96
23) Vinyl Acetate	6.00	43	98886	0.45	ppbv #	94
24) 1,1-Dichloroethane	5.92	63	73564	0.50	ppbv	99
25) Ethyl Acetate	6.70	43	118063m	0.48	ppbv	
26) Hexane	6.67	57	55351	0.47	ppbv	94
27) Carbon Disulfide	5.40	76	60453	0.48	ppbv #	94
28) Methyl tert-Butyl Ether	5.99	73	84735	0.47	ppbv	97
29) Chloroform	6.76	83	84824	0.52	ppbv	97
30) Cyclohexane	8.30	84	50123	0.45	ppbv #	46
31) cis-1,2-Dichloroethene	6.53	61	48289	0.45	ppbv	99
32) 1,1,1-Trichloroethane	7.60	97	79207	0.48	ppbv	98
34) 2-Butanone	6.23	43	69287	0.43	ppbv	99
35) Carbon Tetrachloride	8.17	117	77496	0.46	ppbv	97
36) Benzene	8.03	78	120808	0.46	ppbv	99
37) 1,2-Dichloroethane	7.38	62	66348	0.50	ppbv	99
38) Trichloroethene	9.07	130	53454	0.46	ppbv	97
39) 1,2-Dichloropropane	8.84	63	46971	0.48	ppbv	88
40) 1,4-Dioxane	9.24	88	5602m	0.39	ppbv	
41) Tetrahydrofuran	7.18	42	35087	0.37	ppbv	97
42) Bromodichloromethane	9.04	83	81812	0.47	ppbv	95
43) Methyl Methacrylate	9.29	69	36932	0.39	ppbv	98

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Instrument :
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 ClientSampleId :
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Manual Integrations
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 10/12/2015 1:25:25 PM

Quant Time: Oct 09 14:30:34 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:30:34 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	206470	0.46	ppbv	100
45) t-1,3-Dichloropropene	10.66	75	44123	0.36	ppbv	99
46) cis-1,3-Dichloropropene	10.03	75	59192	0.39	ppbv	96
47) 1,1,2-Trichloroethane	10.89	97	55498	0.50	ppbv	96
48) Dibromochloromethane	11.81	129	65085	0.43	ppbv	97
49) Bromoform	14.83	173	45567	0.40	ppbv	99
50) 4-Methyl-2-Pentanone	10.13	43	80665	0.38	ppbv	99
51) 2-Hexanone	11.67	43	64477	0.33	ppbv #	97
52) Tetrachloroethene	12.81	164	55351	0.46	ppbv	99
53) Toluene	11.25	91	147638	0.44	ppbv	97
54) 1,2-Dibromoethane	12.16	107	79468	0.48	ppbv	93
56) 1,1,1,2-Tetrachloroethane	13.80	131	57483	0.48	ppbv #	1
57) Chlorobenzene	13.83	112	141818	0.50	ppbv	99
58) Ethyl Benzene	14.43	91	202840	0.43	ppbv	99
59) m/p-Xylene	14.74	91	347618	0.93	ppbv	98
60) o-Xylene	15.51	91	188976	0.49	ppbv	97
61) Styrene	15.33	104	57989	0.35	ppbv	99
62) Isopropylbenzene	16.56	105	235759	0.46	ppbv	97
63) 1,1,2,2-Tetrachloroethane	15.50	83	135226	0.45	ppbv	100
64) n-propylbenzene	17.54	120	60782	0.45	ppbv	89
65) tert-Butylbenzene	18.83	119	206892	0.46	ppbv	100
66) Benzyl Chloride	19.13	91	42273	0.35	ppbv	93
67) sec-Butylbenzene	19.43	105	279421	0.44	ppbv	98
69) p-Isopropyltoluene	19.81	119	210169	0.41	ppbv	100
70) n-Butylbenzene	20.78	91	197812	0.39	ppbv	96
71) 2-Chlorotoluene	17.44	91	159575	0.41	ppbv	96
72) 4-Ethyltoluene	17.84	105	168824	0.40	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	164902	0.42	ppbv	100
74) 1,2,4-Trimethylbenzene	18.85	105	188078	0.46	ppbv	99
75) 1,3-Dichlorobenzene	19.14	146	121964	0.48	ppbv	98
76) 1,4-Dichlorobenzene	19.30	146	117241	0.44	ppbv	98
77) 1,2-Dichlorobenzene	20.04	146	114818	0.45	ppbv	99
78) Hexachloro-1,3-Butadiene	24.69	225	51046	0.50	ppbv	99
79) Naphthalene	23.95	128	98438	0.31	ppbv	99
80) Naphthalene, 2-methyl-	26.07	142	23740	0.32	ppbv	99
81) 1,2,4-Trichlorobenzene	23.75	180	54079	0.35	ppbv	99

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

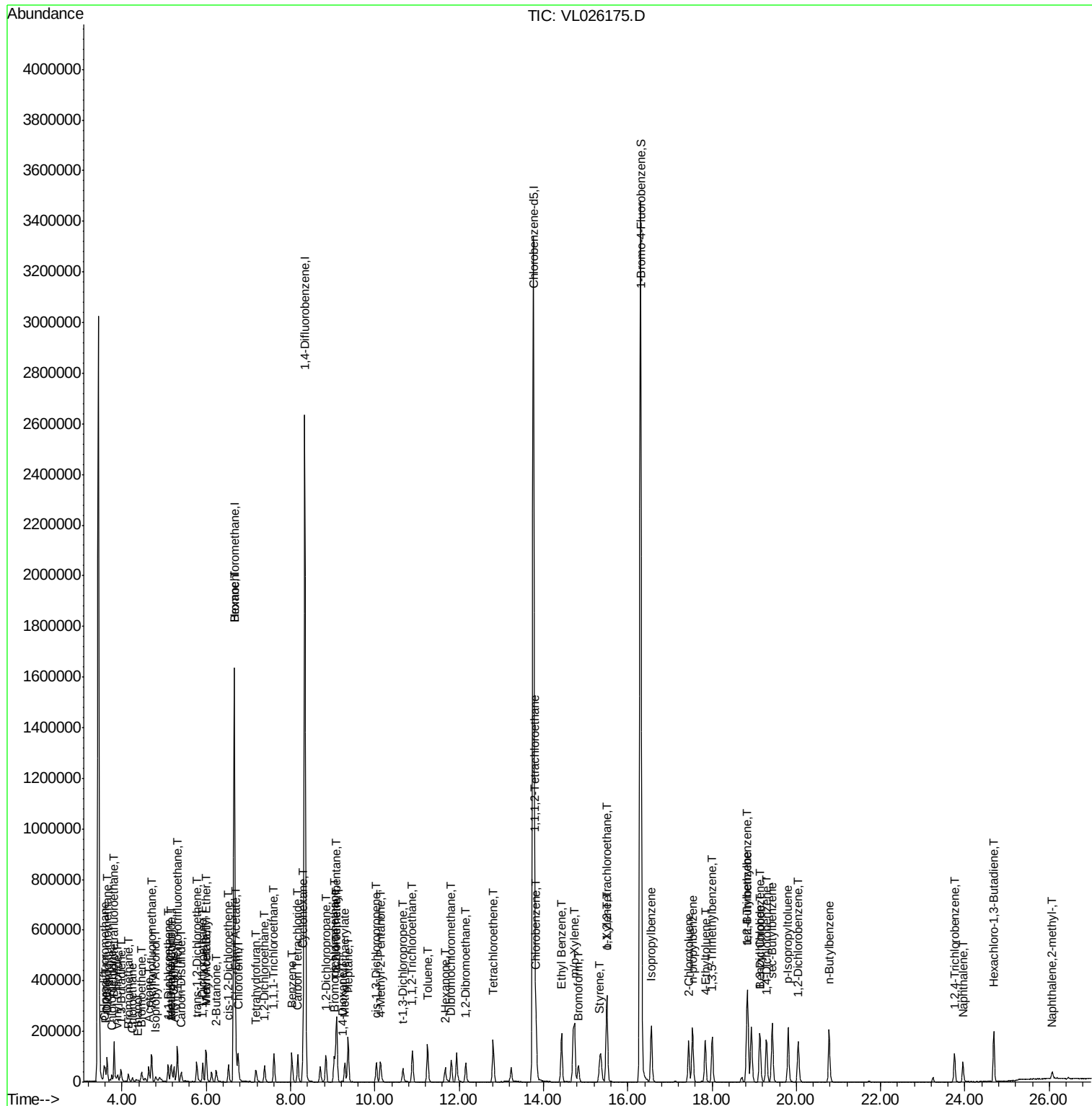
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Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\  
Data File : VL026175.D  
Acq On    : 9 Oct 2015 12:57  
Operator  : SY/MD  
Sample    : VSTDICC0.5  
Misc      : 400mL/MSVOA L  
ALS Vial  : 1 Sample Multiplier: 1
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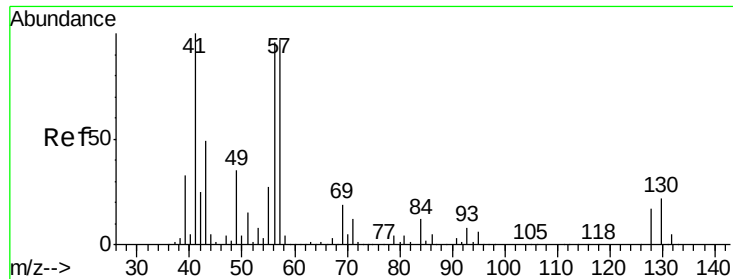
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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Quant Time: Oct 09 14:30:34 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Oct
QLast Update : Fri Oct 09 14:20:41 2015
Response via : Initial Calibration





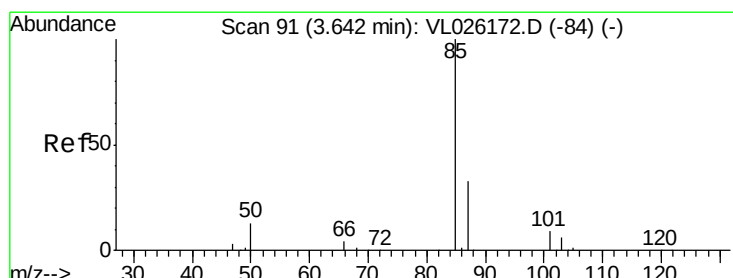
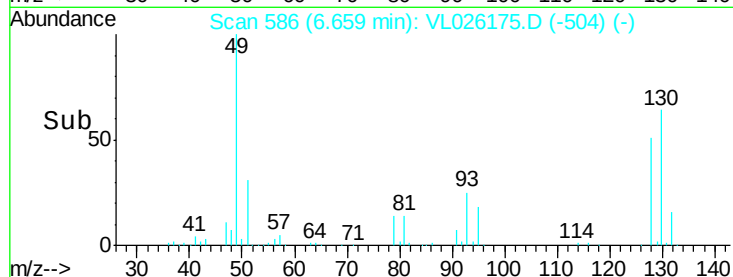
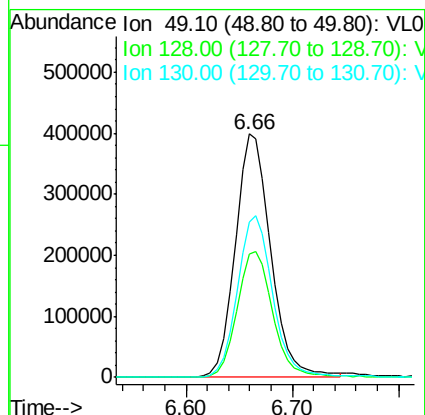
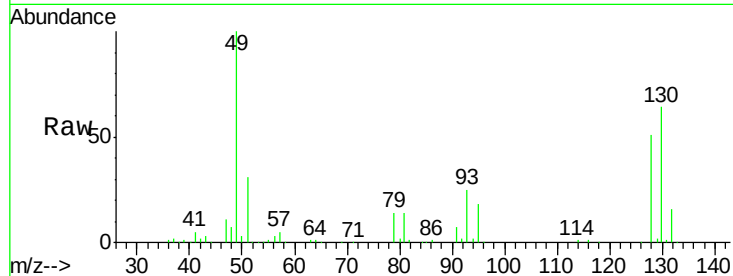
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.66 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 49 Resp: 932555
 Ion Ratio Lower Upper
 49 100
 128 52.8 26.3 78.8
 130 67.4 34.2 102.5

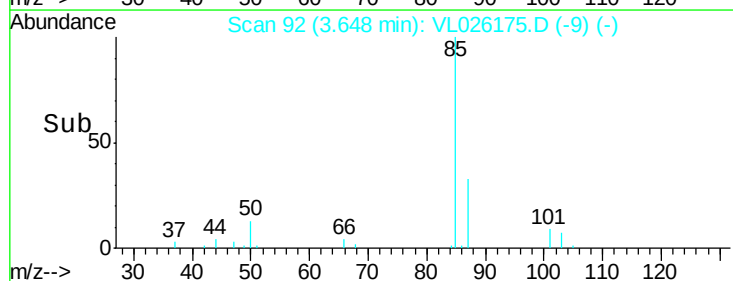
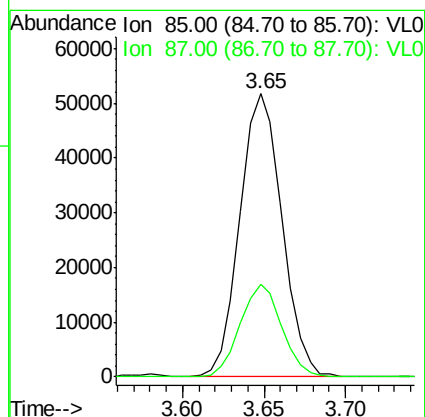
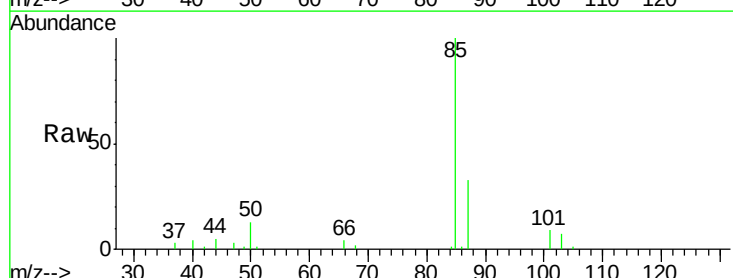
Manual Integrations
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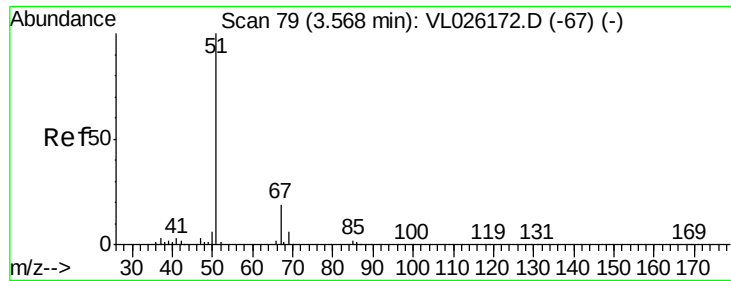
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#2
 Dichlorodifluoromethane
 Concen: 0.69 ppbv
 RT: 3.65 min Scan# 92
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion: 85 Resp: 92985
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.54 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 57459

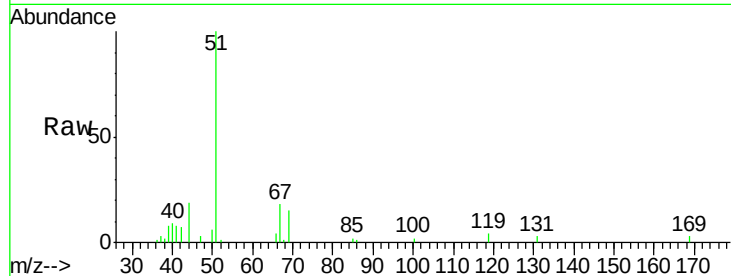
Ion Ratio Lower Upper

51 100

67 18.0 14.9 22.3

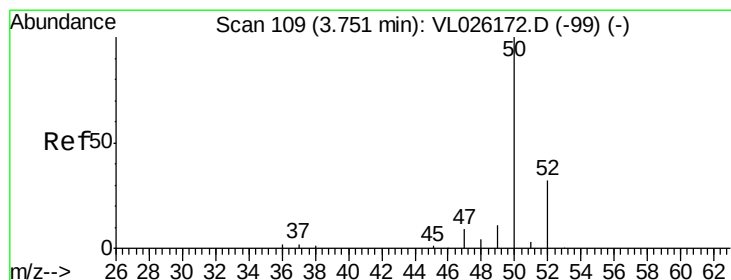
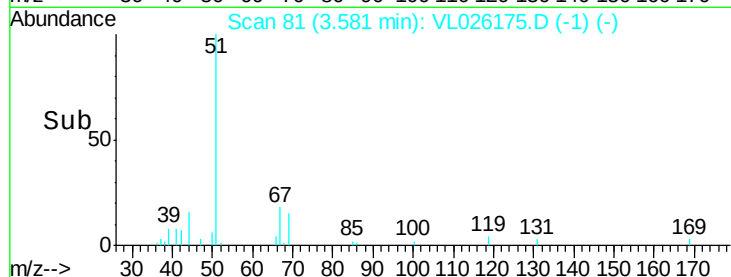
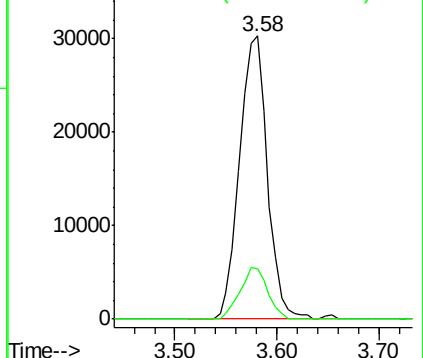
Manual Integrations
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.49 ppbv

RT: 3.76 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL026175.D

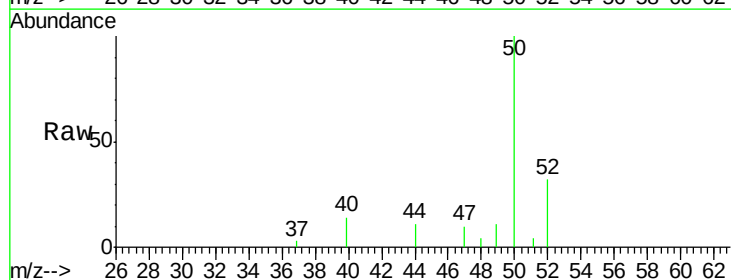
Acq: 9 Oct 2015 12:57

Tgt Ion: 50 Resp: 30865

Ion Ratio Lower Upper

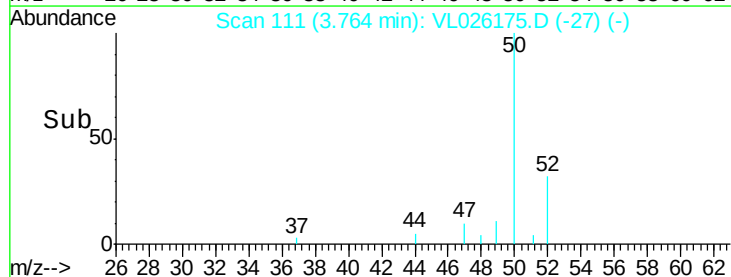
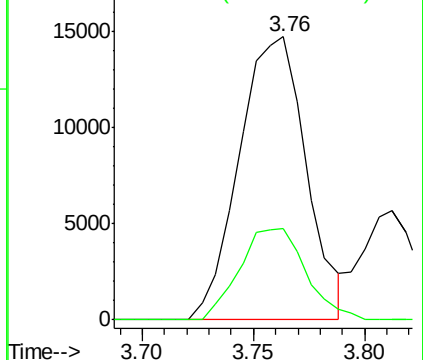
50 100

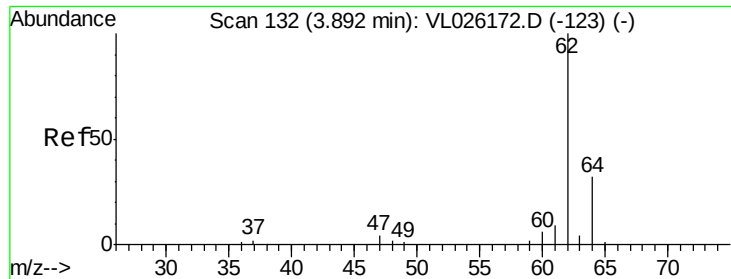
52 32.4 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.46 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 30773

Ion Ratio Lower Upper

62 100

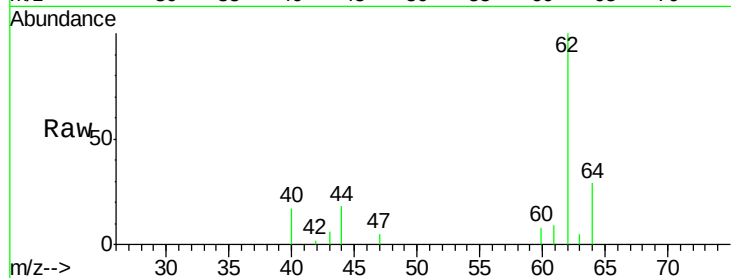
64 29.1 25.6 38.4

Manual Integrations

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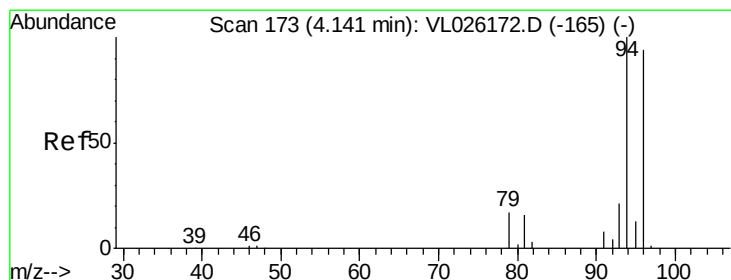
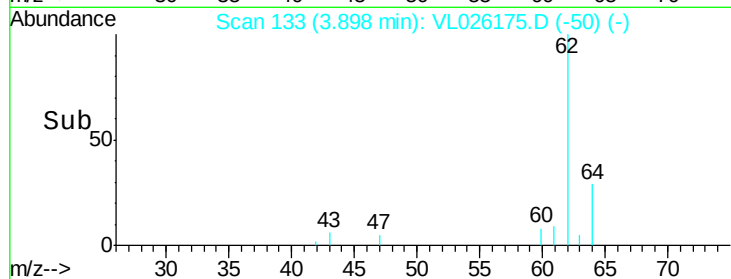
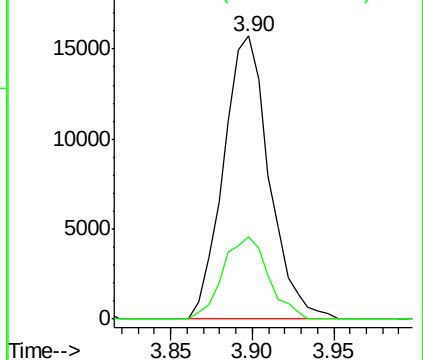
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.54 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL026175.D

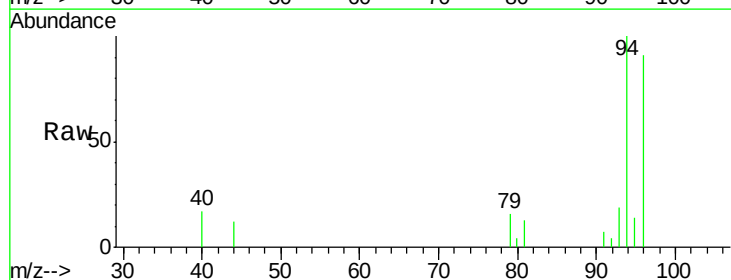
Acq: 9 Oct 2015 12:57

Tgt Ion: 94 Resp: 23089

Ion Ratio Lower Upper

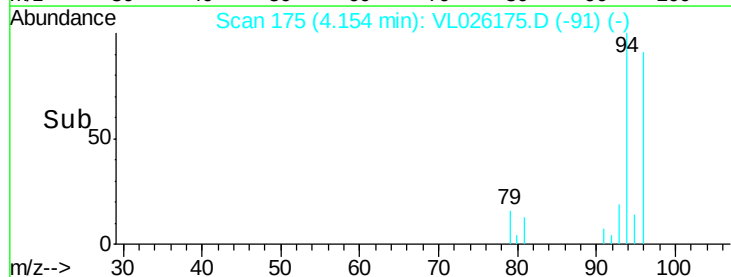
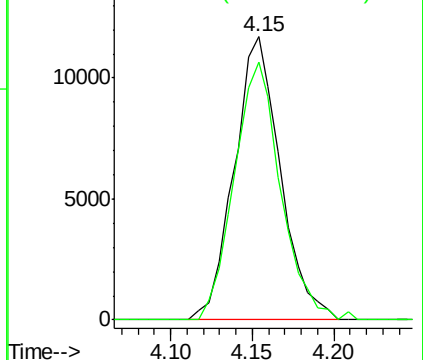
94 100

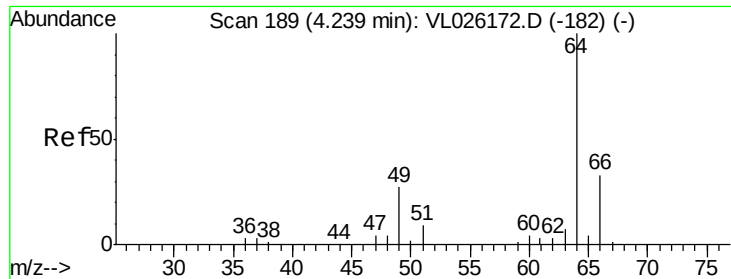
96 90.9 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.52 ppbv

RT: 4.25 min Scan# 191

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 13706

Ion Ratio Lower Upper

64 100

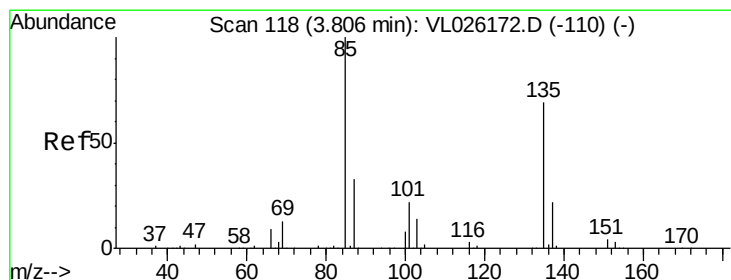
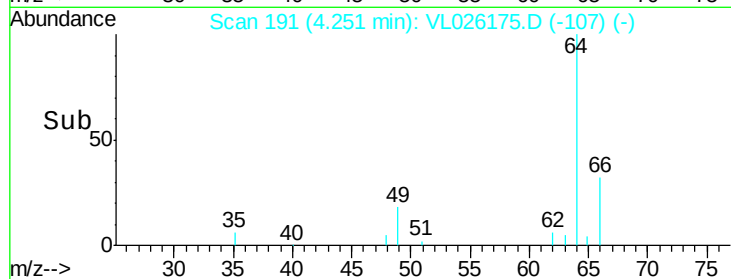
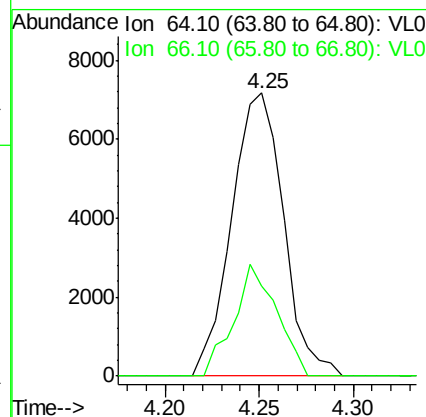
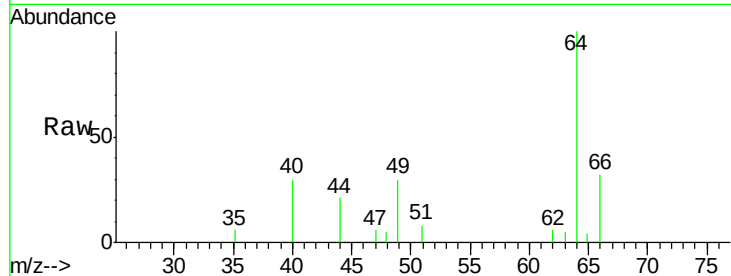
66 31.7 26.5 39.7

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.55 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL026175.D

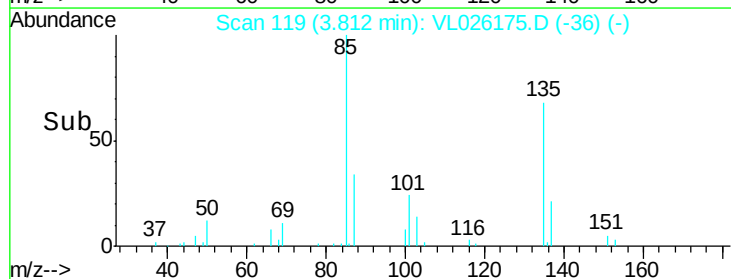
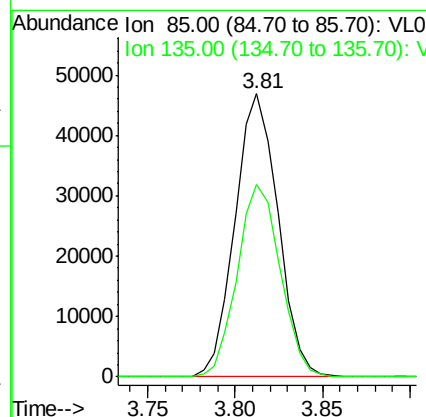
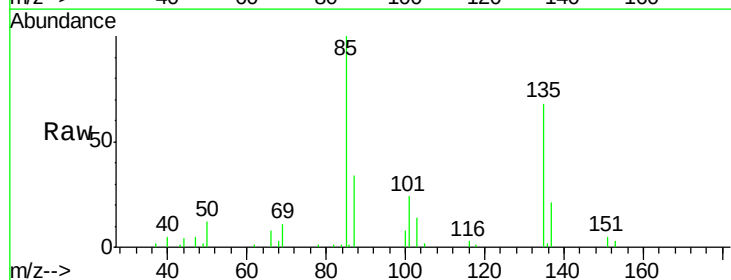
Acq: 9 Oct 2015 12:57

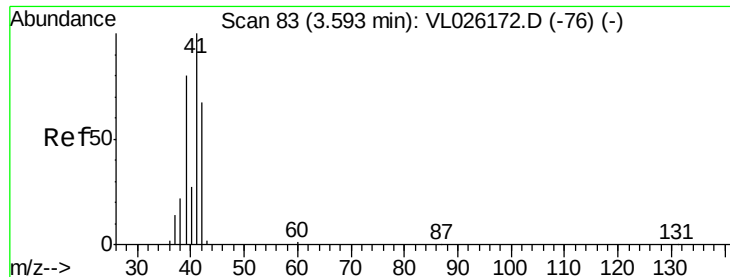
Tgt Ion: 85 Resp: 80278

Ion Ratio Lower Upper

85 100

135 67.7 55.3 82.9





#9

Propene

Concen: 0.45 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 24634

Ion Ratio Lower Upper

41 100

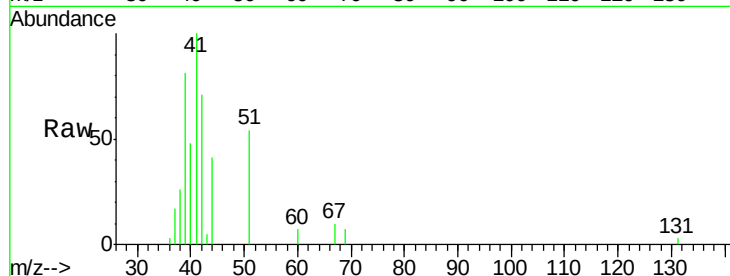
42 70.7 53.6 80.4

Manual Integrations

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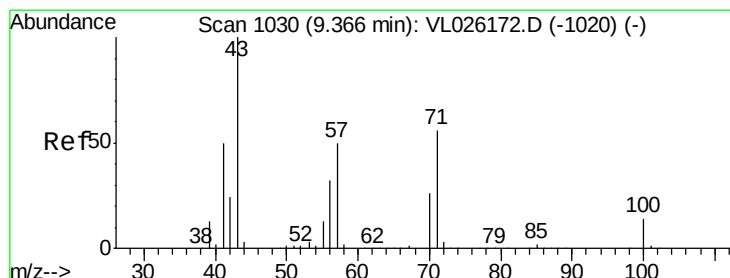
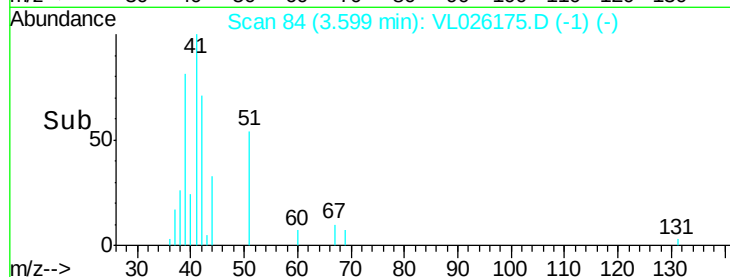
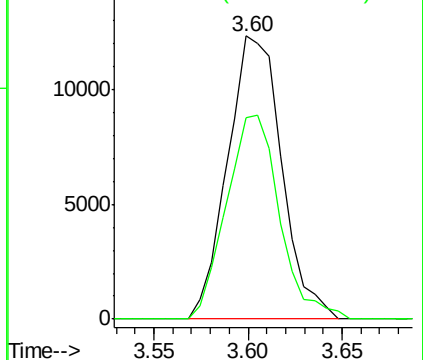
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.46 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VL026175.D

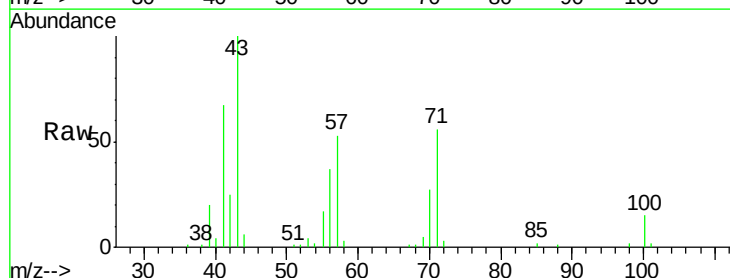
Acq: 9 Oct 2015 12:57

Tgt Ion: 43 Resp: 86615

Ion Ratio Lower Upper

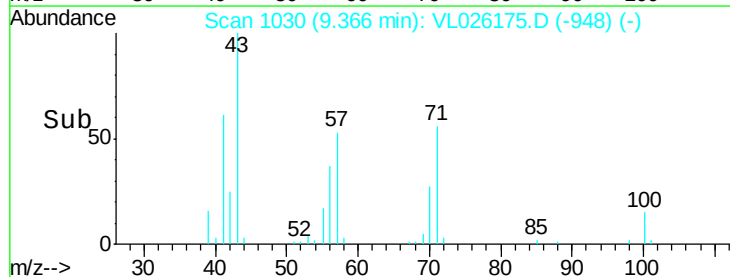
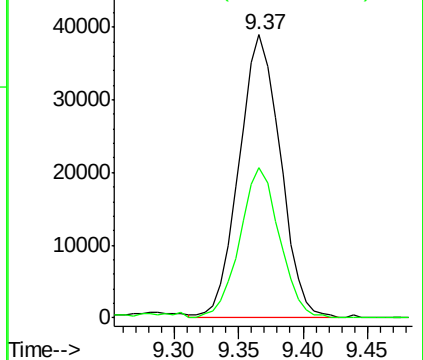
43 100

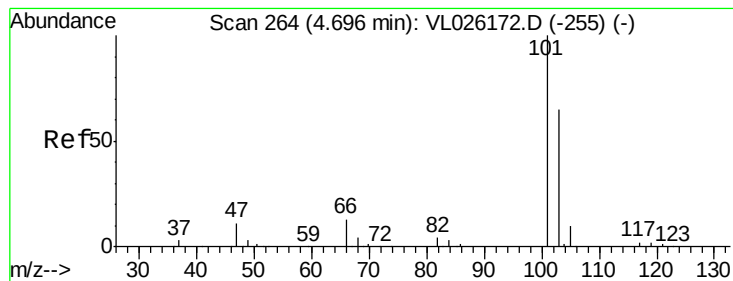
57 52.3 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.59 ppbv

RT: 4.70 min Scan# 265

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 89847

Ion Ratio Lower Upper

101 100

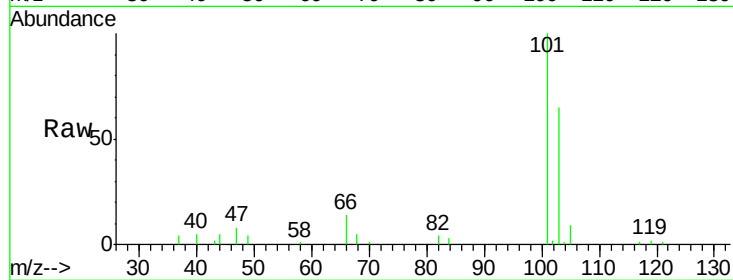
103 64.6 51.9 77.9

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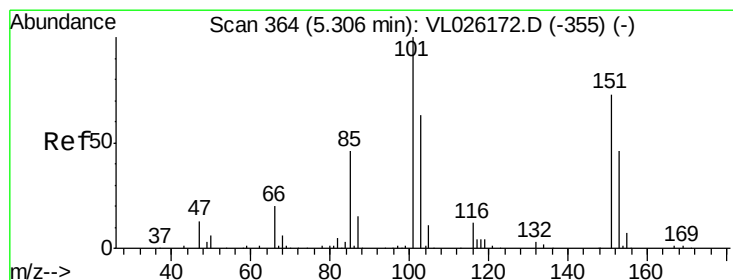
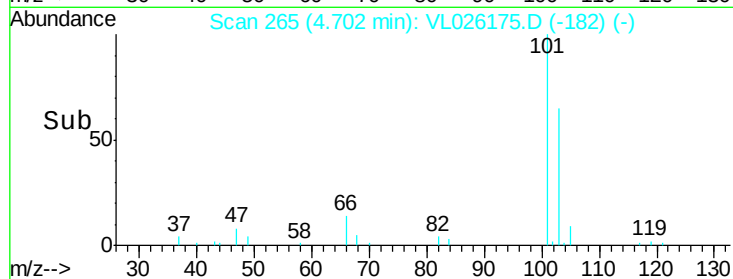
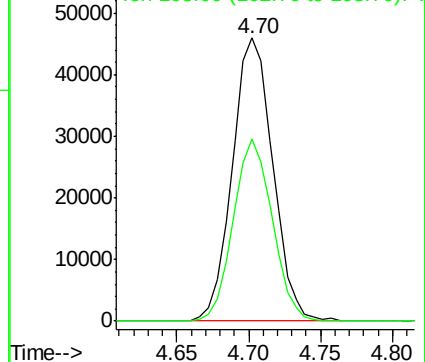
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.58 ppbv

RT: 5.31 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL026175.D

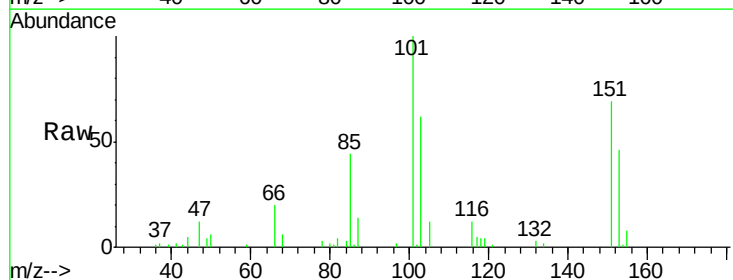
Acq: 9 Oct 2015 12:57

Tgt Ion:101 Resp: 61279

Ion Ratio Lower Upper

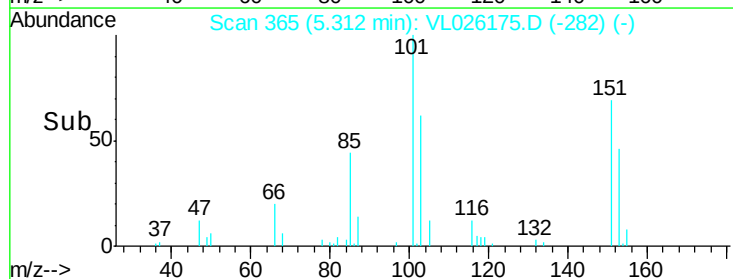
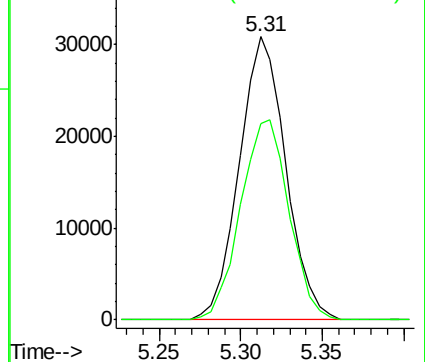
101 100

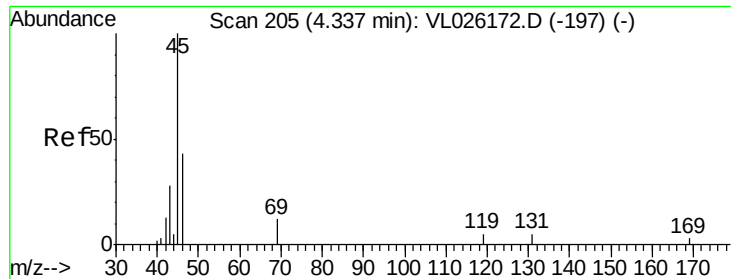
151 73.5 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





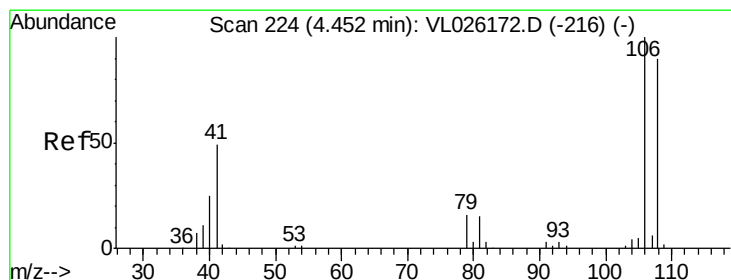
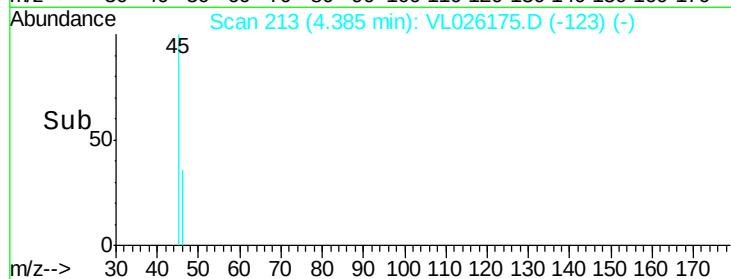
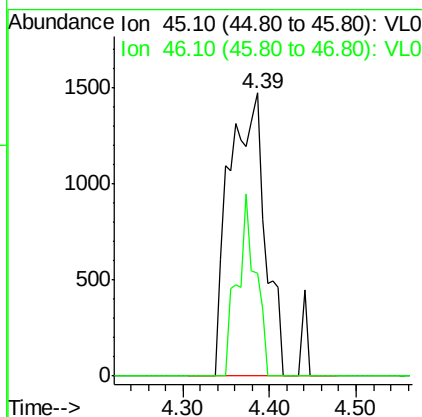
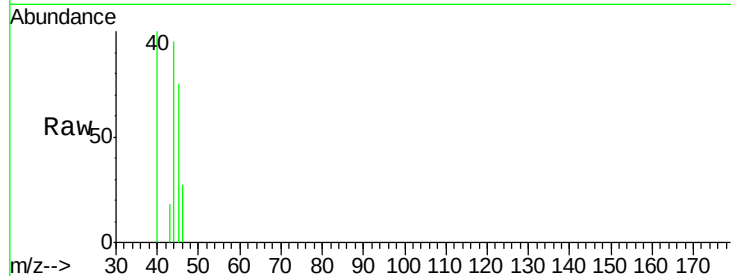
#13
Ethanol
Concen: 0.67 ppbv m
RT: 4.39 min Scan# 213
Delta R.T. 0.05 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 4384
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5#

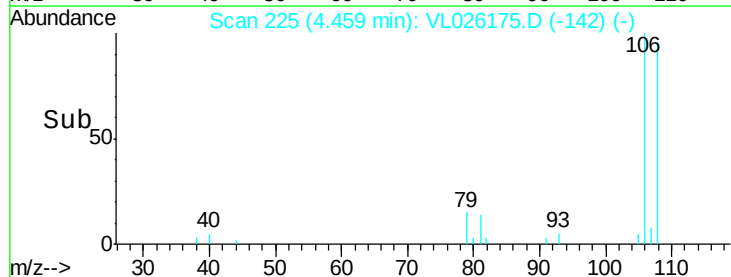
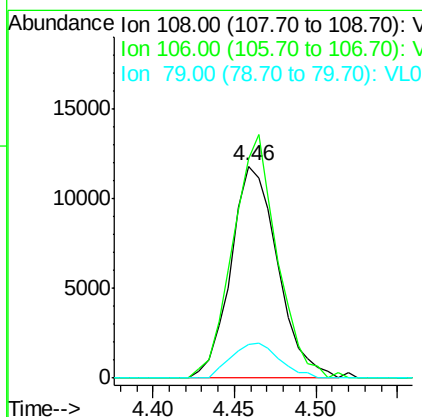
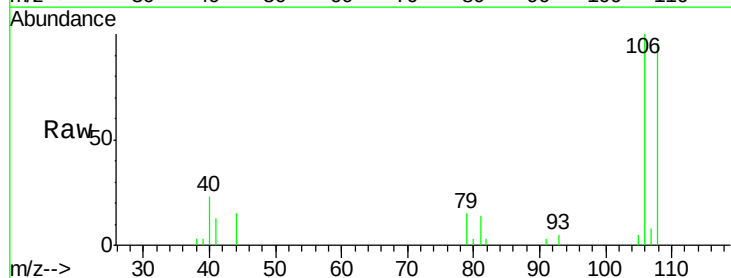
Manual Integrations
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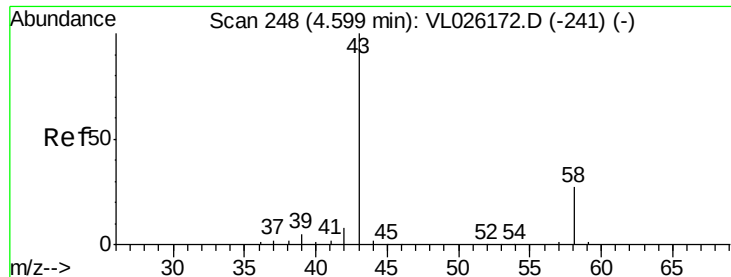
MMdadoda
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#14
Bromoethene
Concen: 0.52 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion: 108 Resp: 23712
Ion Ratio Lower Upper
108 100
106 108.2 85.9 128.9
79 17.2 14.0 21.0





#15

Acetone

Concen: 0.63 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.04 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 73368

Ion Ratio Lower Upper

43 100

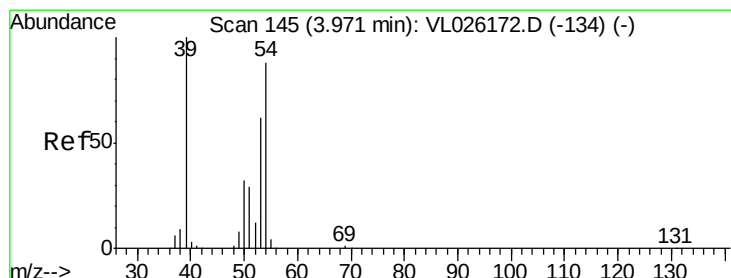
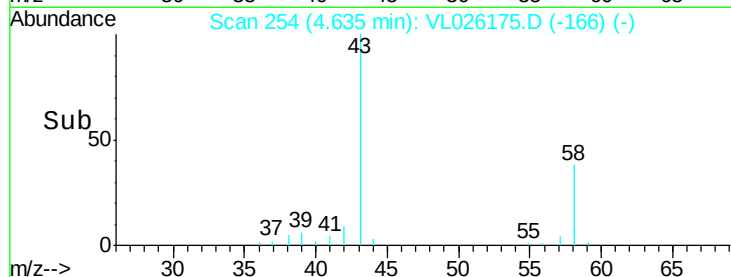
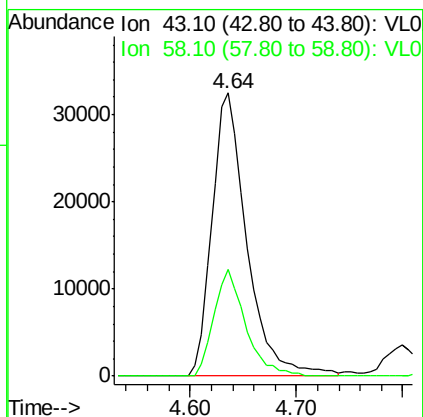
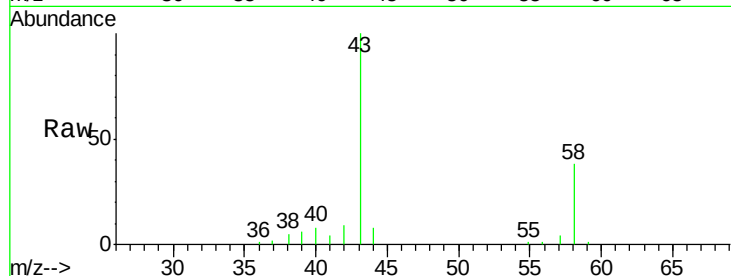
58 34.4 22.0 33.0#

Manual Integrations

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#16

1,3-Butadiene

Concen: 0.48 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL026175.D

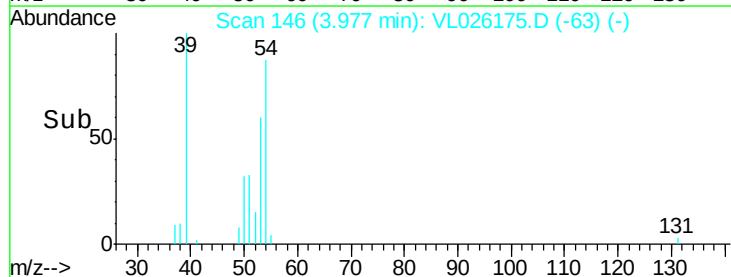
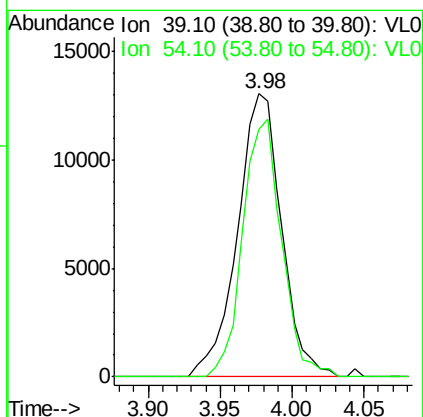
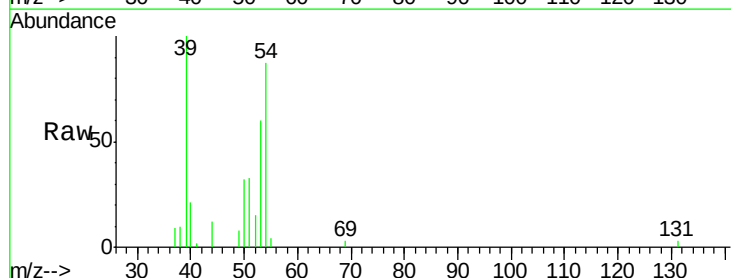
Acq: 9 Oct 2015 12:57

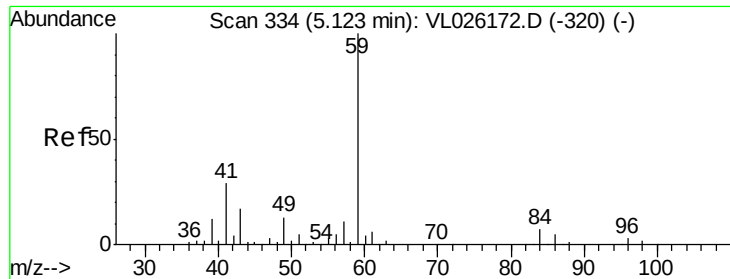
Tgt Ion: 39 Resp: 27687

Ion Ratio Lower Upper

39 100

54 80.0 67.9 101.9





#17

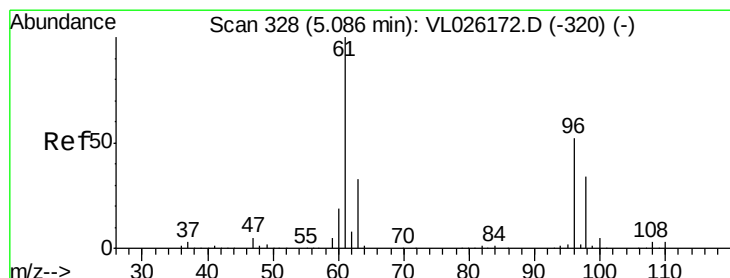
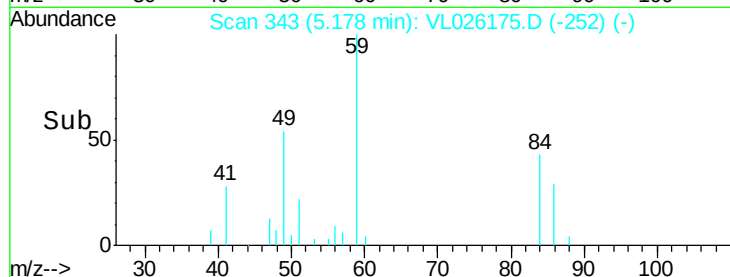
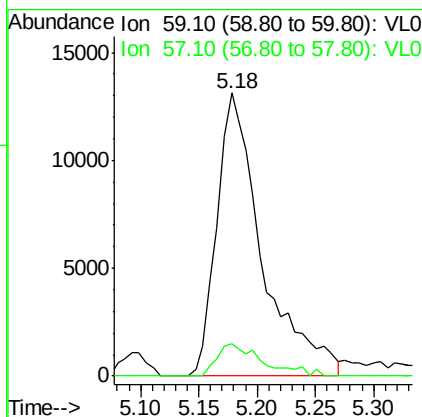
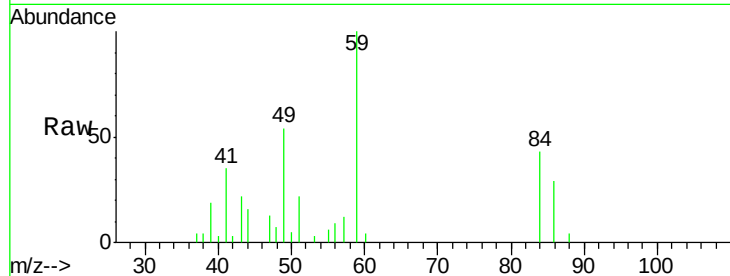
tert-Butyl alcohol
Concen: 0.47 ppbv
RT: 5.18 min Scan# 343
Delta R.T. 0.05 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

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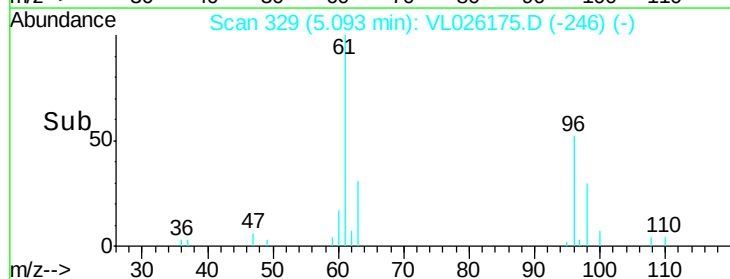
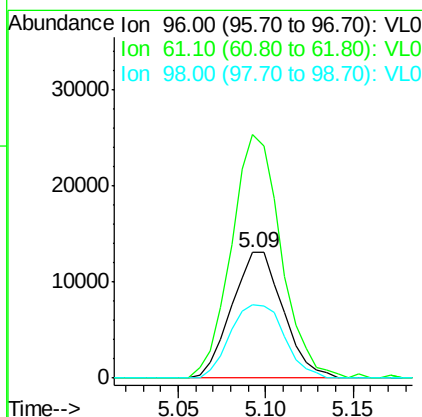
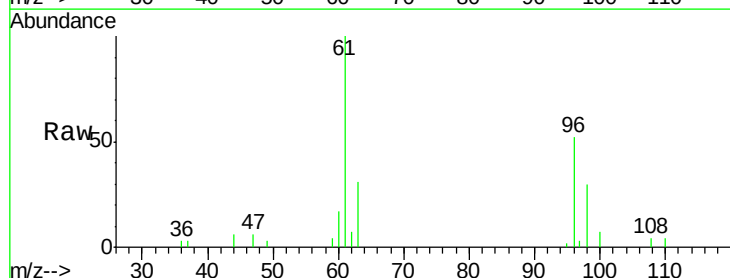
MMdadoda
10/12/2015 1:25:25 PM

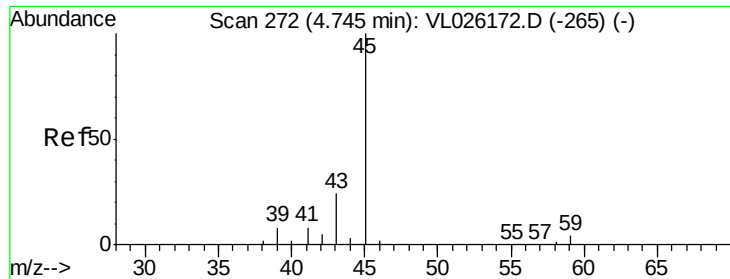


#18

1,1-Dichloroethene
Concen: 0.54 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.6	153.2	229.8
98	58.5	52.1	78.1





#19

Isopropyl Alcohol

Concen: 0.46 ppbv

RT: 4.80 min Scan# 281

Delta R.T. 0.05 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 22263

Ion Ratio Lower Upper

45 100

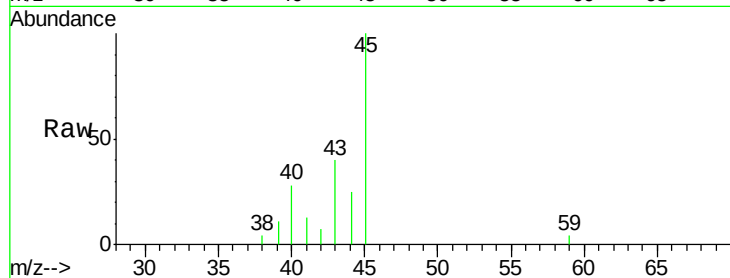
58 113.4 1.7 2.5#

Manual Integrations

APPROVED

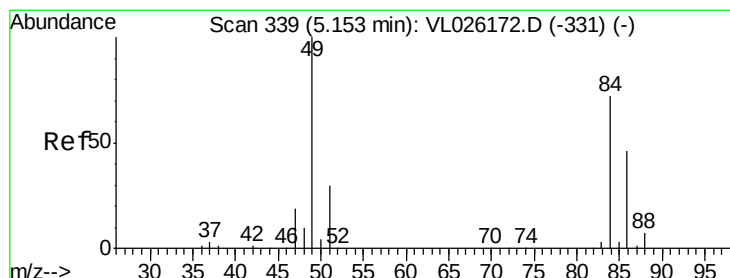
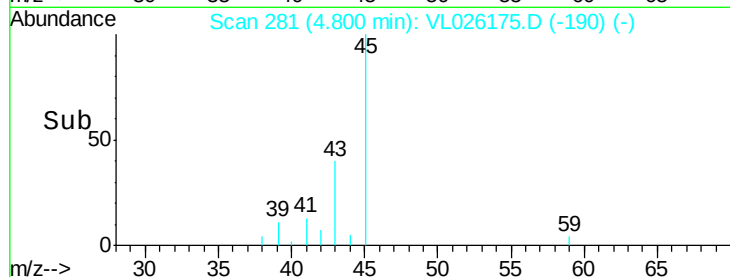
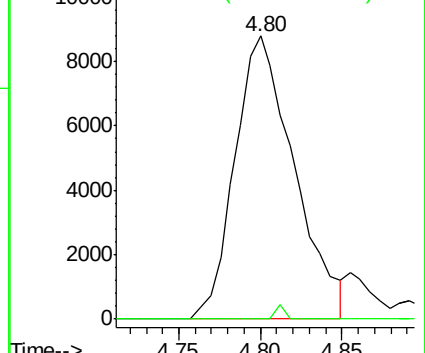
MMdadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.57 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion: 84 Resp: 28304

Ion Ratio Lower Upper

84 100

49 134.5 111.3 166.9

51 46.2 33.0 49.6

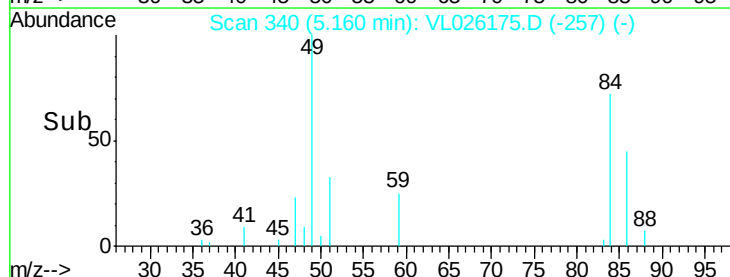
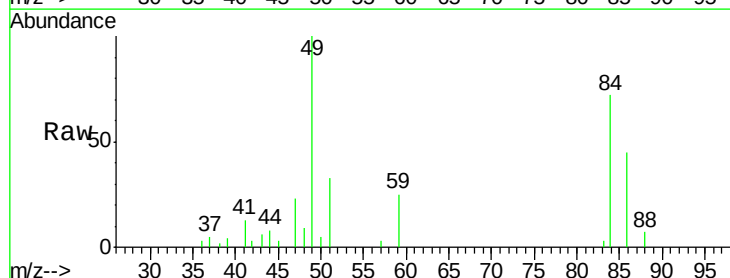
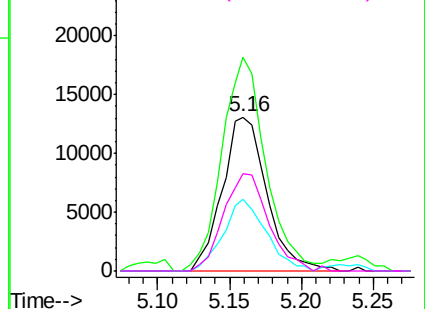
86 63.1 51.6 77.4

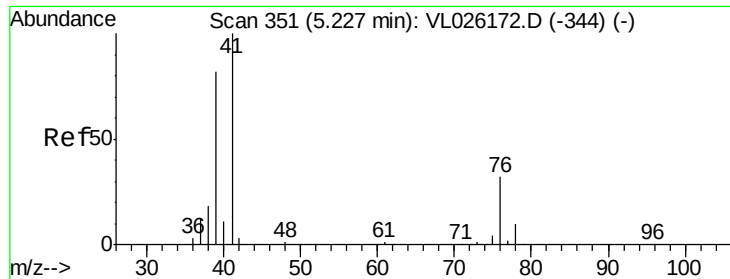
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 0.48 ppbv

RT: 5.23 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

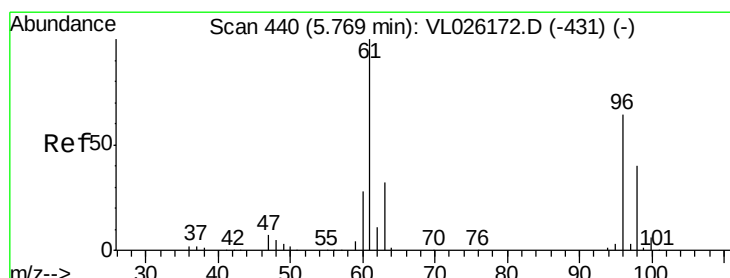
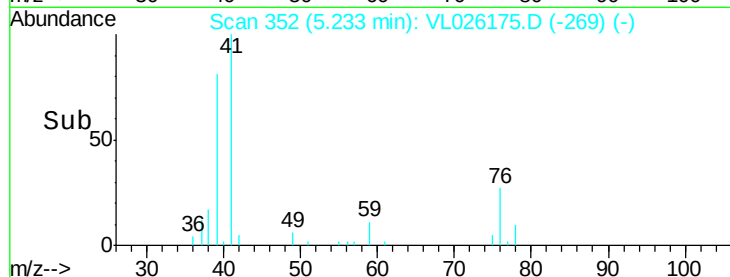
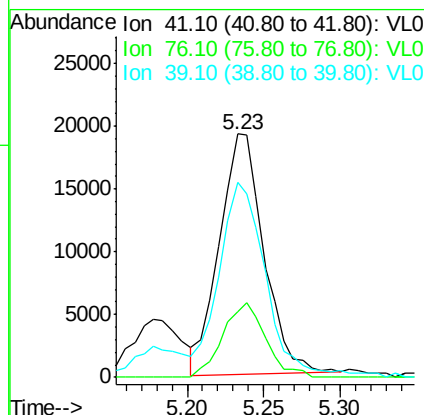
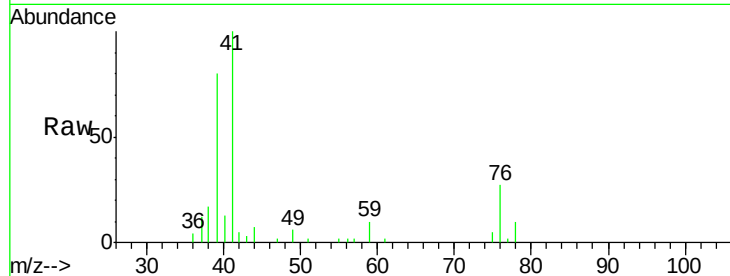
ClientSampleId :

VSTDIC0.5

Tot Ion:	41	Resp:	38764
Ion Ratio	Lower	Upper	
41	100		
76	29.9	25.4	38.2
39	100.1	66.5	99.7#

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 0.51 ppbv

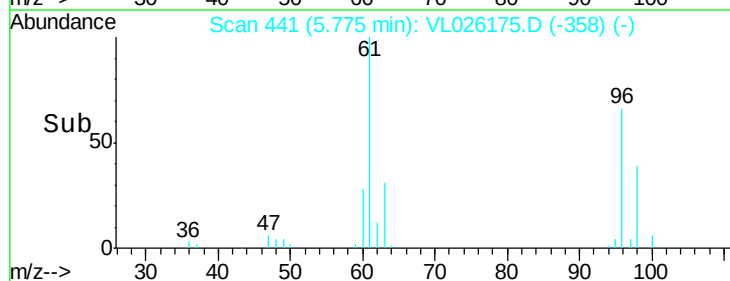
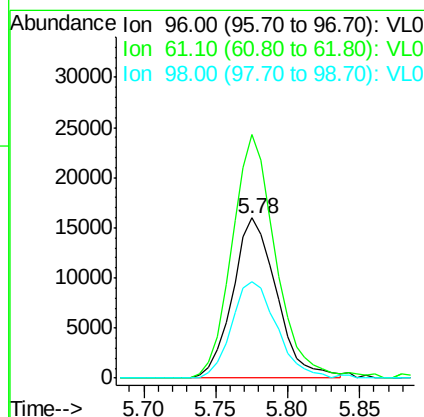
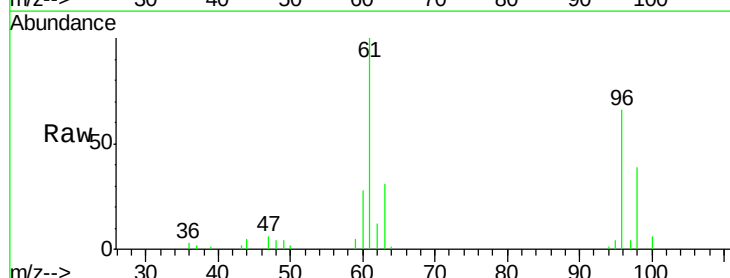
RT: 5.78 min Scan# 441

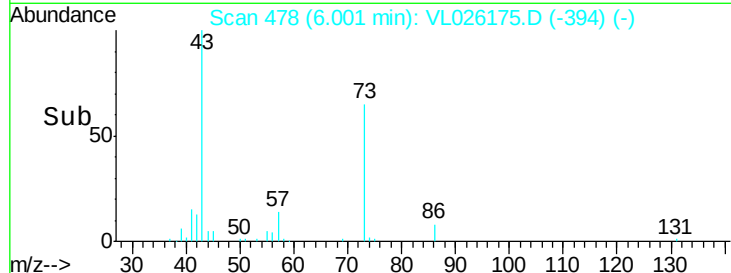
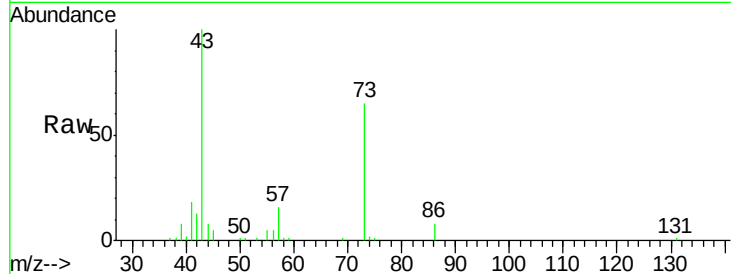
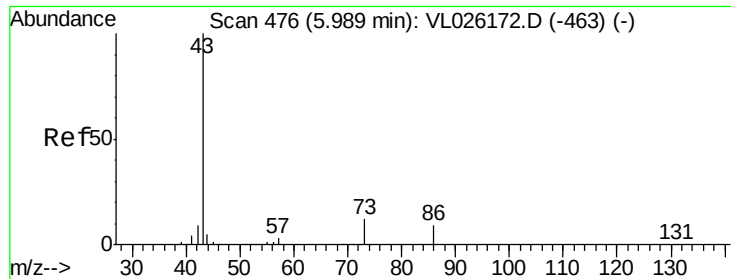
Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion:	96	Resp:	34085
Ion Ratio	Lower	Upper	
96	100		
61	152.1	125.8	188.6
98	59.8	50.6	75.8





#23

Vinyl Acetate

Concen: 0.45 ppbv

RT: 6.00 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tot Ion:	43	Resp:	98886
Ion	Ratio	Lower	Upper
43	100		
86	7.7	7.2	10.8
42	12.7	7.4	11.2#
44	6.0	3.9	5.9#

Instrument :

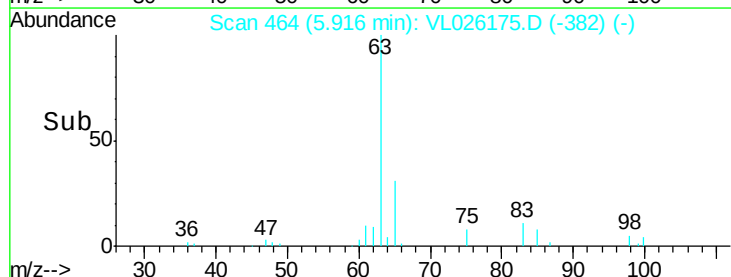
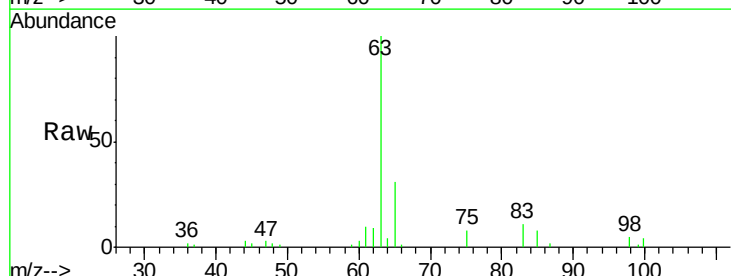
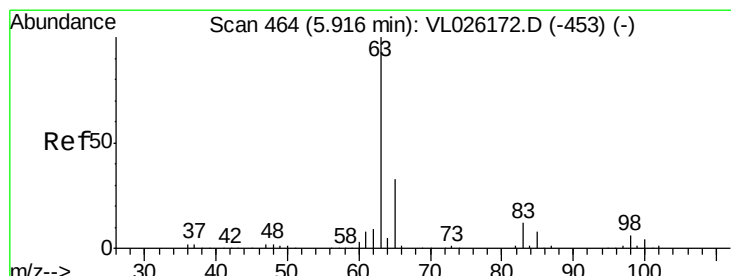
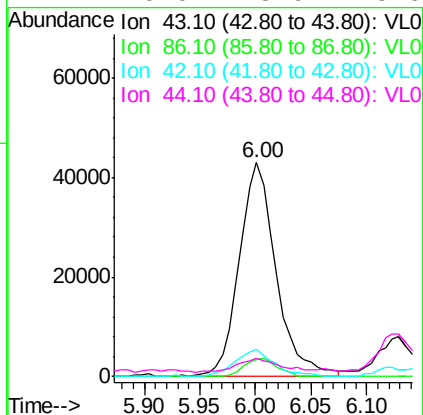
MSVOA_L

ClientSampleId :

VSTDIC0.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.50 ppbv

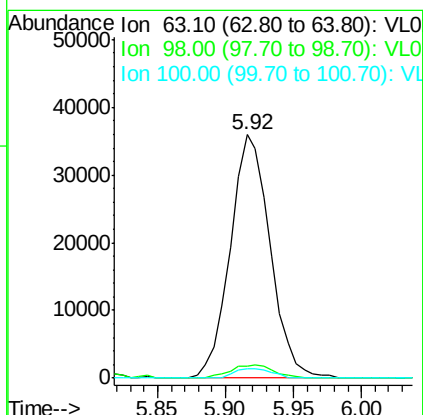
RT: 5.92 min Scan# 464

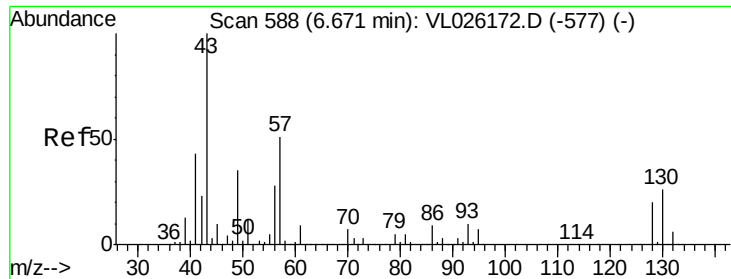
Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion:	63	Resp:	73564
Ion	Ratio	Lower	Upper
63	100		
98	5.1	2.9	8.7
100	3.7	1.8	5.5





#25

Ethyl Acetate

Concen: 0.48 ppbv m

RT: 6.70 min Scan# 593

Delta R.T. 0.03 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 118063

Ion Ratio Lower Upper

43 100

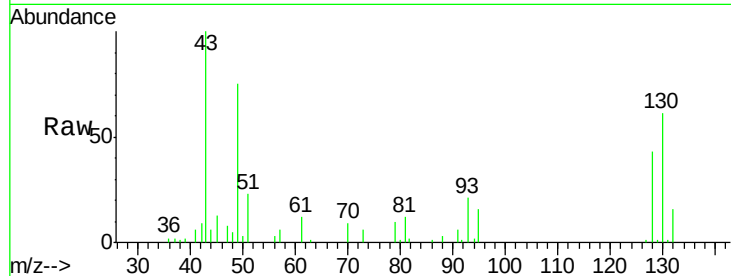
45 0.0 7.7 11.5#

61 0.0 7.4 11.2#

70 0.0 6.6 9.8#

Manual Integrations
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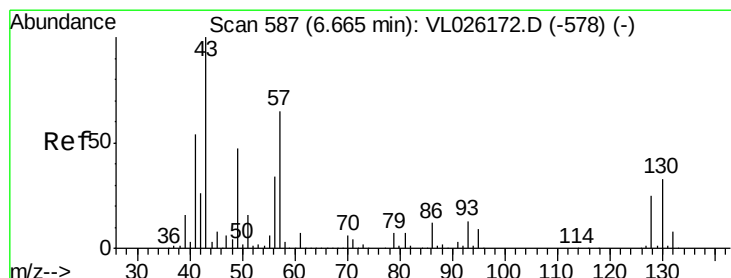
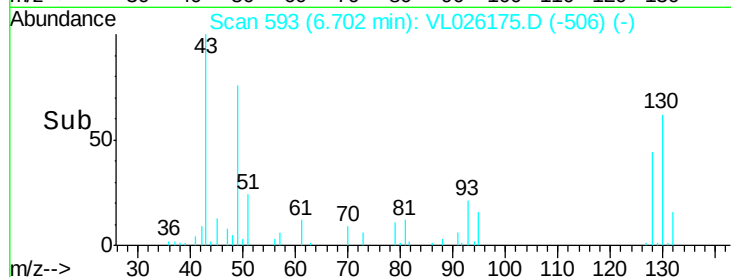
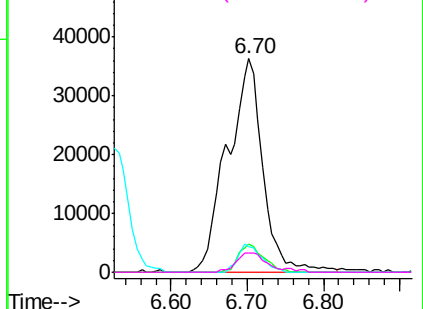


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.47 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion: 57 Resp: 55351

Ion Ratio Lower Upper

57 100

41 88.4 68.0 102.0

43 216.2 164.4 246.6

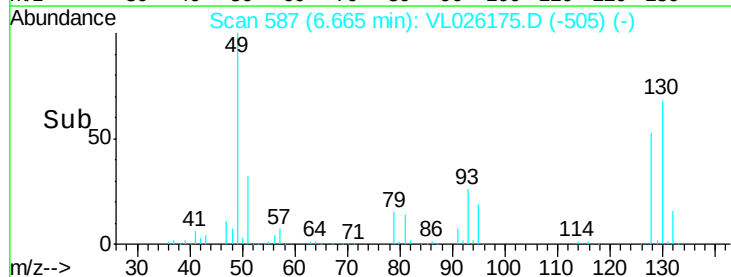
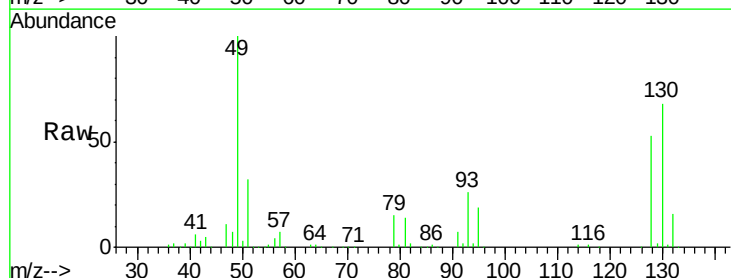
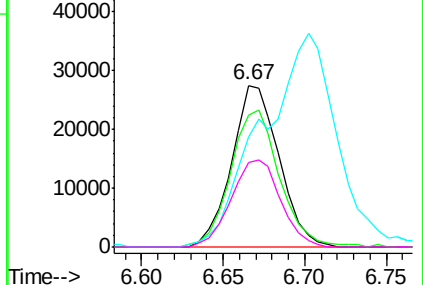
56 56.2 42.7 64.1

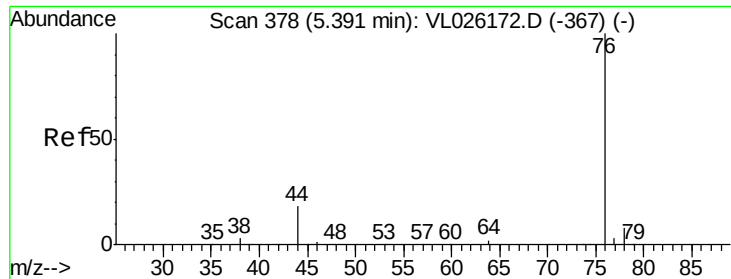
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.48 ppbv

RT: 5.40 min Scan# 380

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

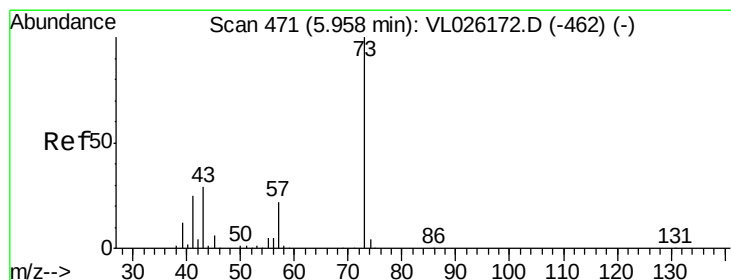
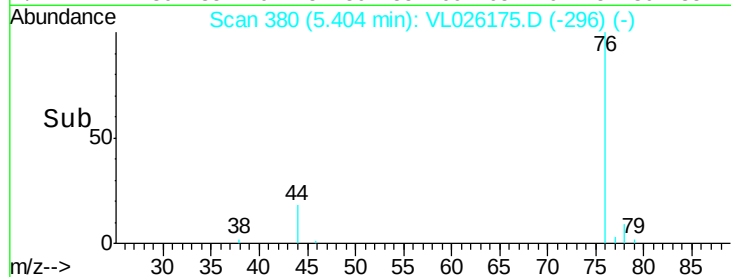
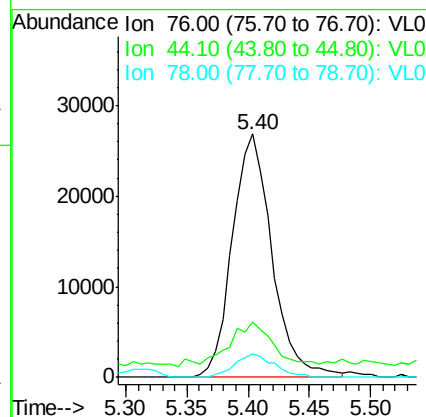
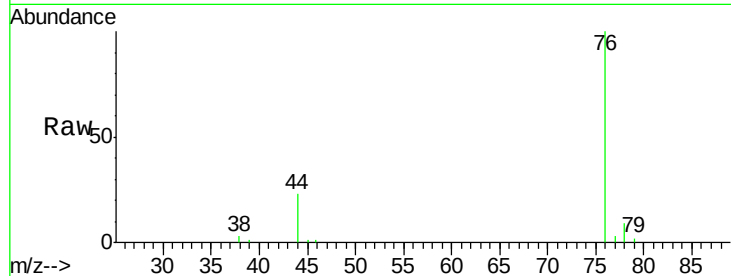
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
44	21.7	14.2	21.4#
78	9.5	7.5	11.3

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#28

Methyl tert-Butyl Ether

Concen: 0.47 ppbv

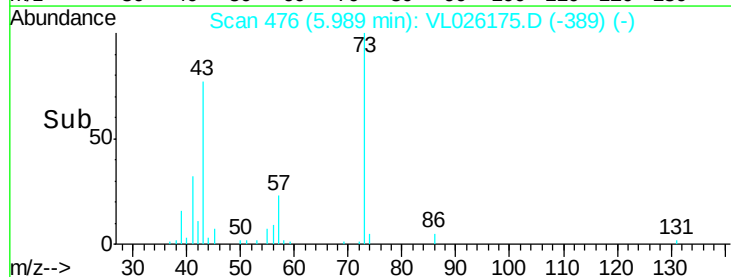
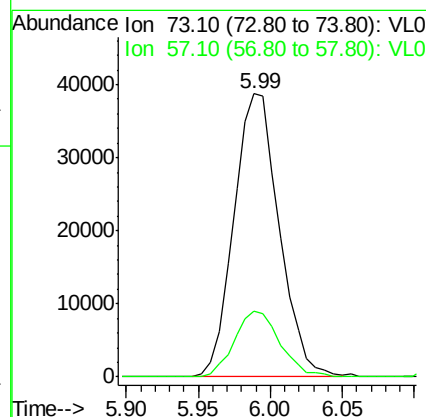
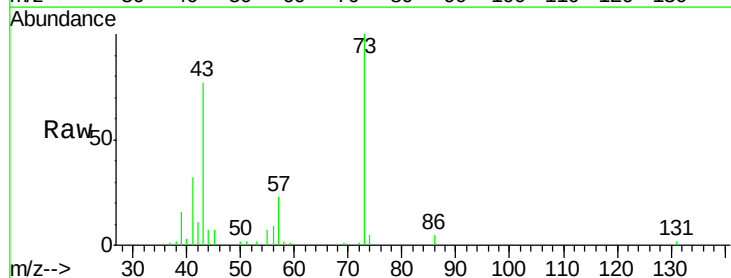
RT: 5.99 min Scan# 476

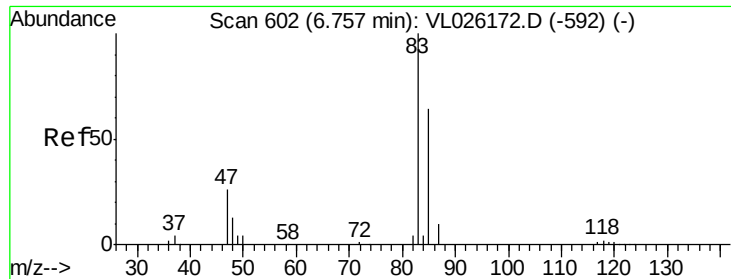
Delta R.T. 0.03 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.8	26.6





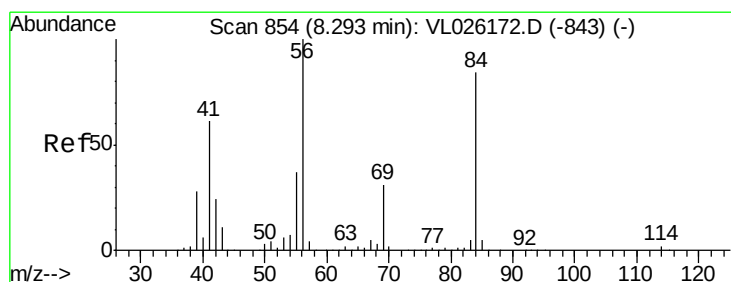
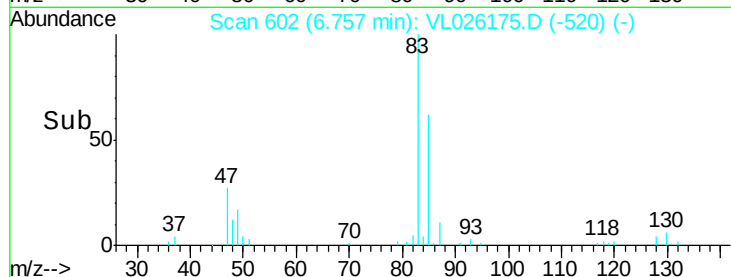
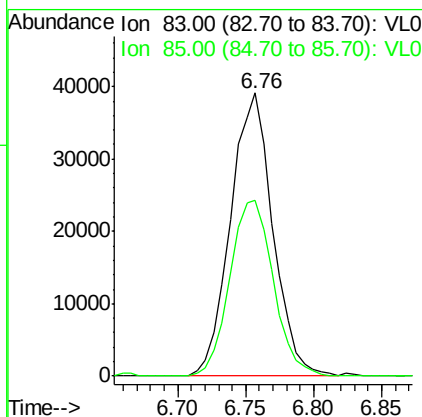
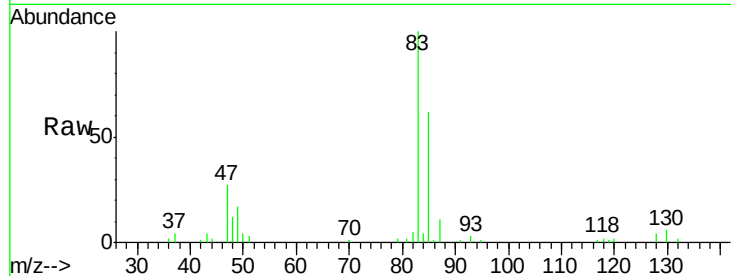
#29
Chloroform
Concen: 0.52 ppbv
RT: 6.76 min Scan# 602
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 84824
Ion Ratio Lower Upper
83 100
85 62.2 51.5 77.3

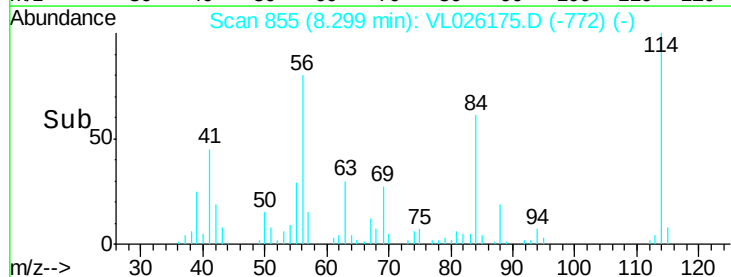
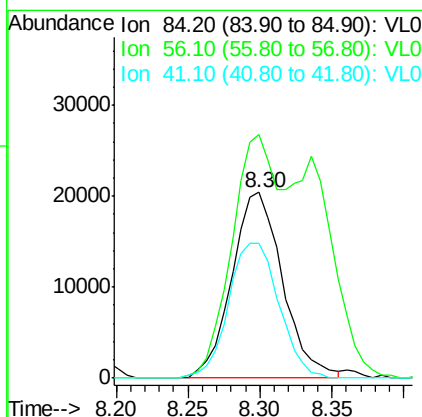
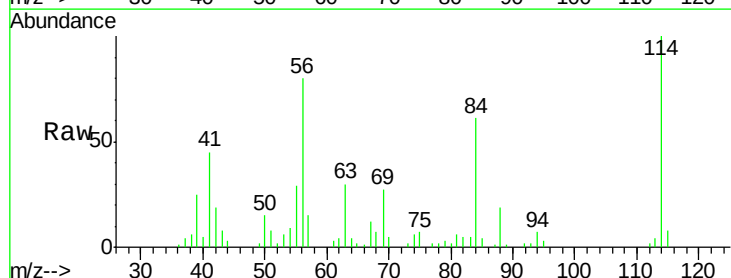
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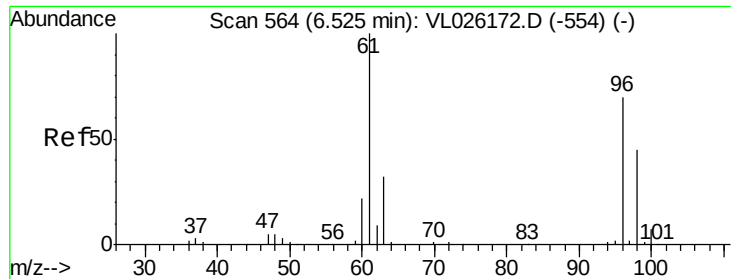
MMdadoda
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#30
Cyclohexane
Concen: 0.45 ppbv
RT: 8.30 min Scan# 855
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion: 84 Resp: 50123
Ion Ratio Lower Upper
84 100
56 222.4 99.8 149.8#
41 72.2 58.1 87.1





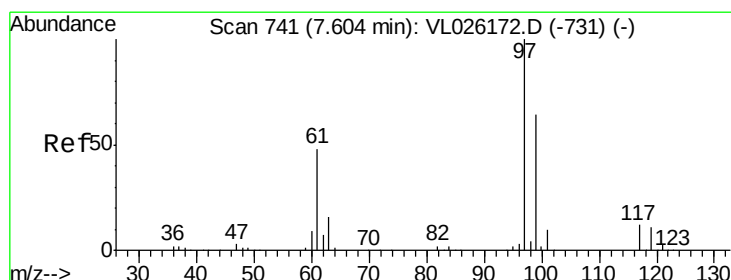
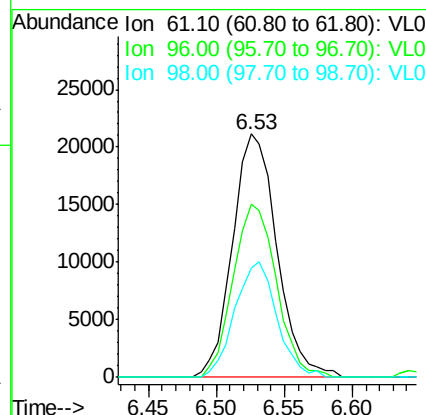
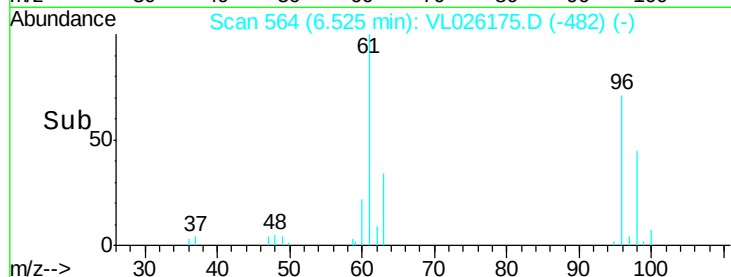
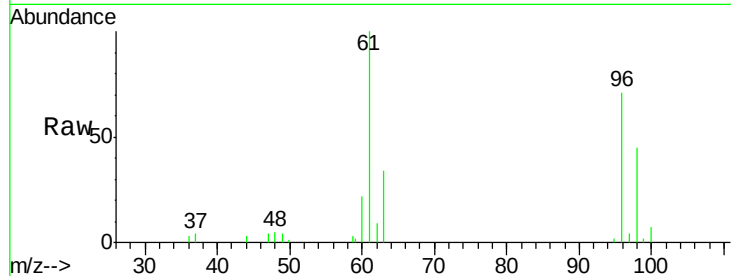
#31
 cis-1,2-Dichloroethene
 Concen: 0.45 ppbv
 RT: 6.53 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.2	55.8	83.8
98	45.1	35.8	53.6

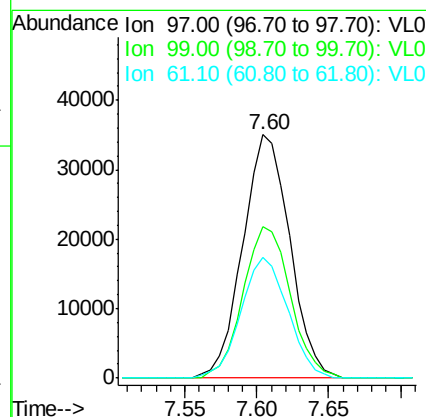
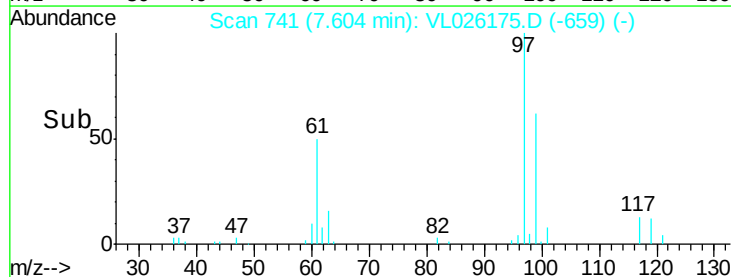
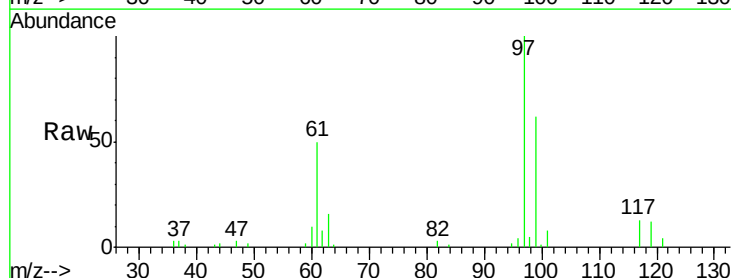
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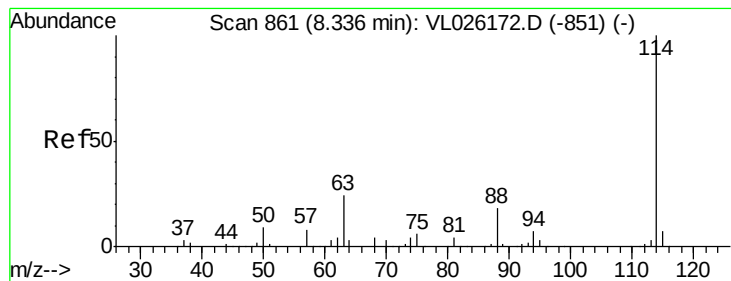
MMdadoda
 10/12/2015 1:25:25 PM



#32
 1,1,1-Trichloroethane
 Concen: 0.48 ppbv
 RT: 7.60 min Scan# 741
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.3	76.9
61	49.7	38.7	58.1





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.34 min Scan# 861

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion:114 Resp: 2490699

Ion Ratio Lower Upper

114 100

63 23.5 19.0 28.6

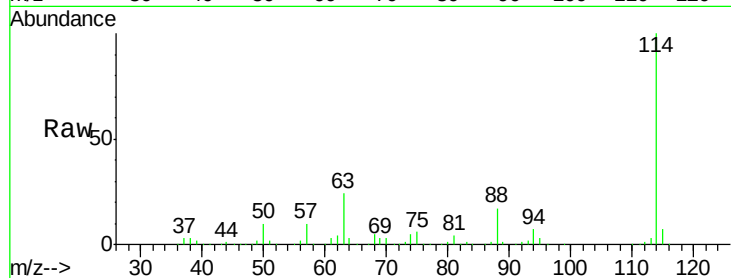
88 17.1 13.8 20.8

Manual Integrations

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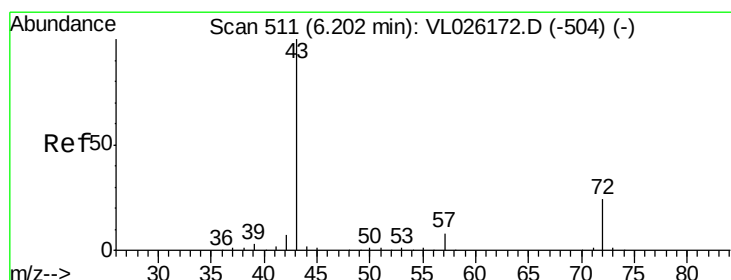
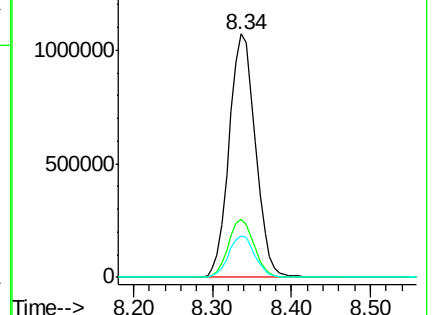
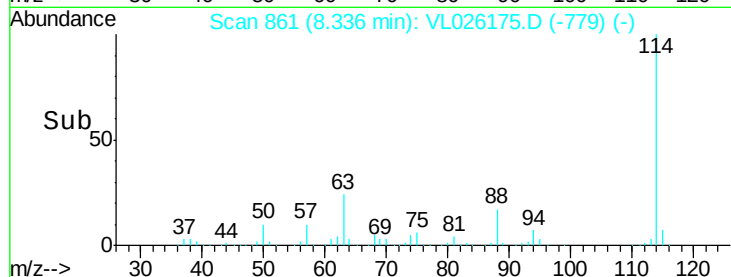
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.43 ppbv

RT: 6.23 min Scan# 516

Delta R.T. 0.03 min

Lab File: VL026175.D

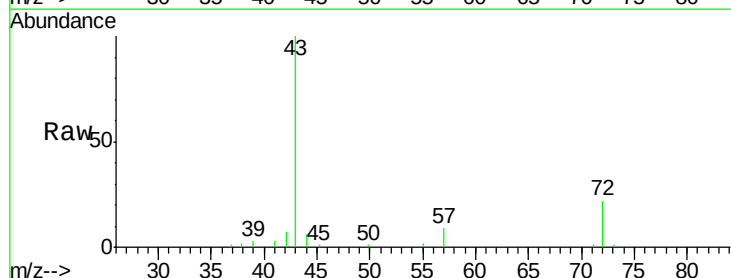
Acq: 9 Oct 2015 12:57

Tgt Ion: 43 Resp: 69287

Ion Ratio Lower Upper

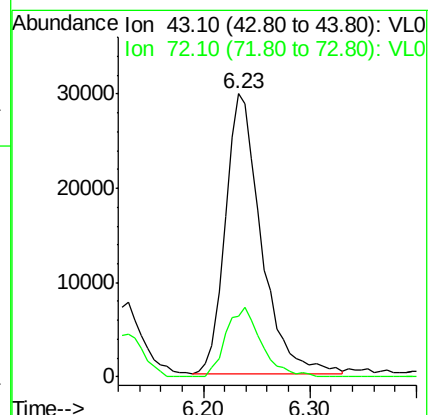
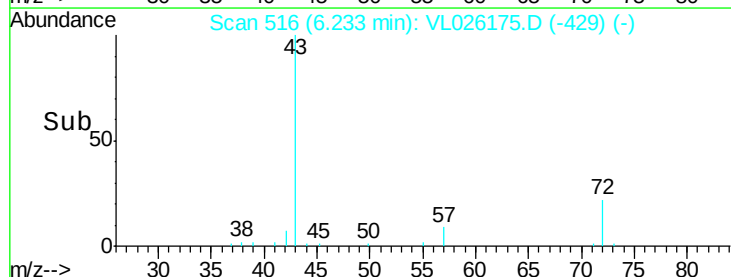
43 100

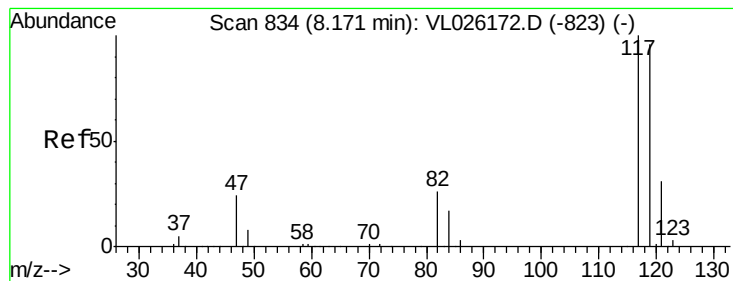
72 24.8 19.6 29.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.46 ppbv

RT: 8.17 min Scan# 834

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 77496

Ion Ratio Lower Upper

117 100

119 93.6 76.6 115.0

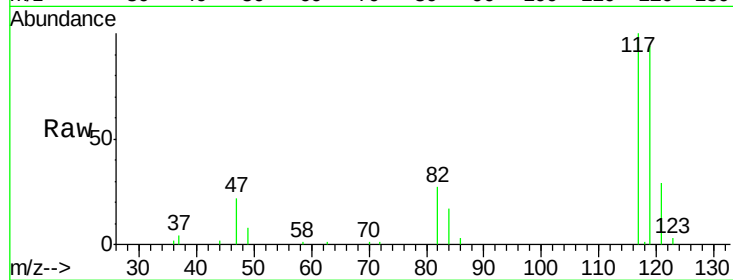
121 29.4 25.0 37.4

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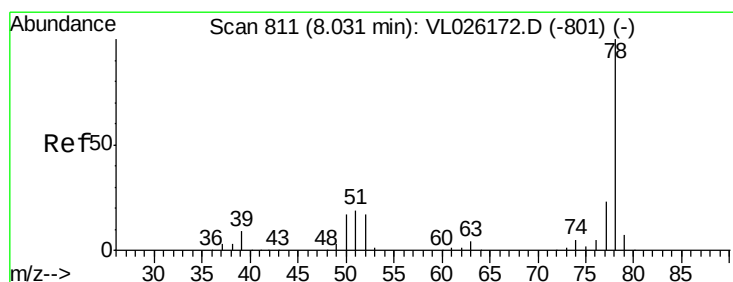
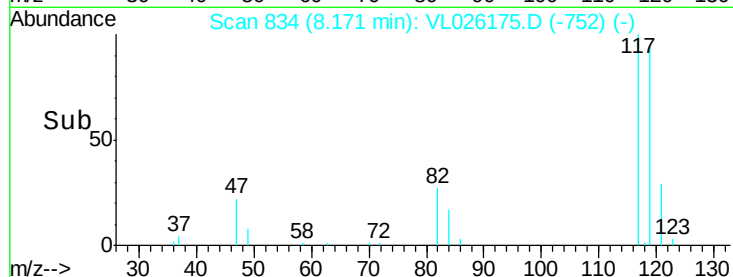
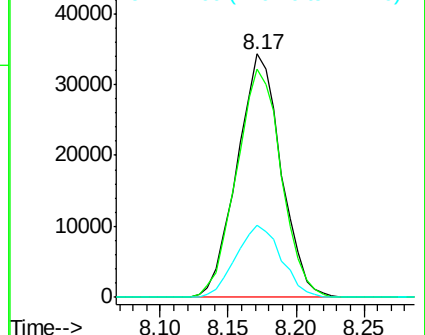
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.46 ppbv

RT: 8.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

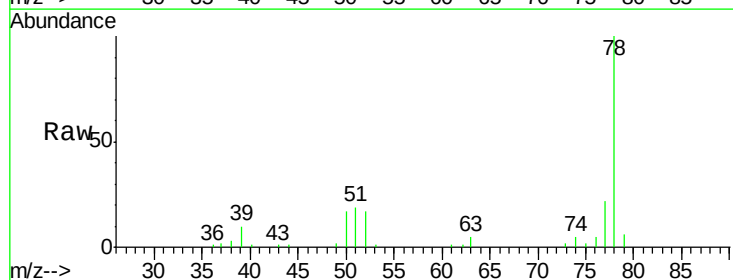
Tgt Ion: 78 Resp: 120808

Ion Ratio Lower Upper

78 100

77 22.2 18.2 27.4

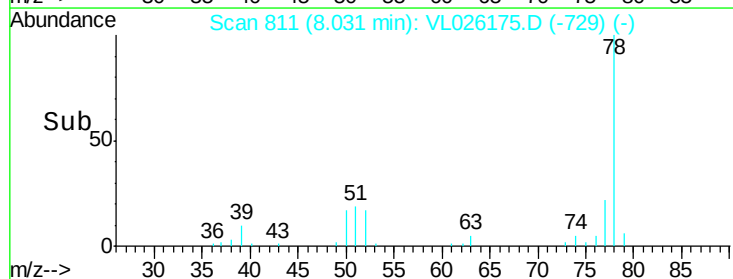
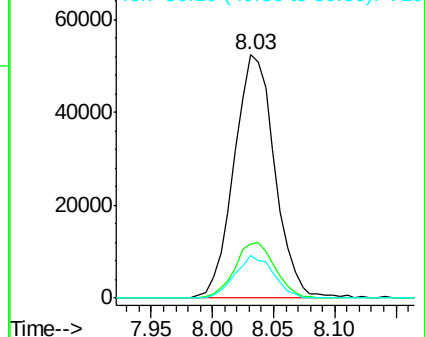
50 17.5 13.4 20.2

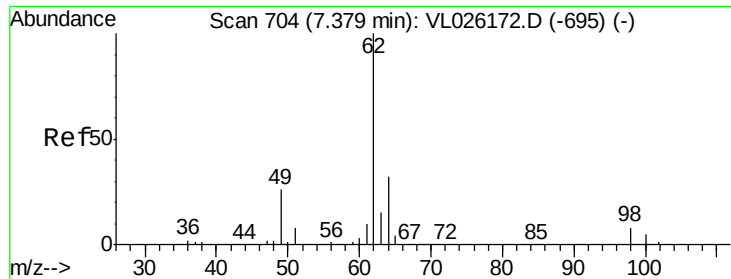


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





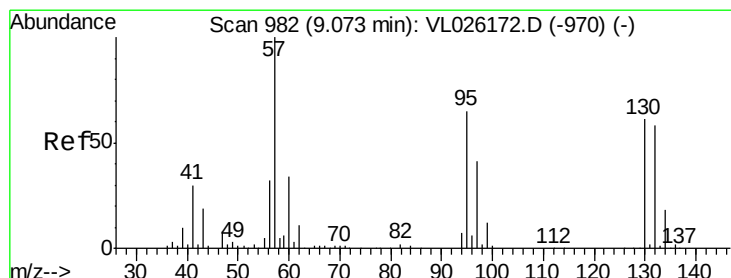
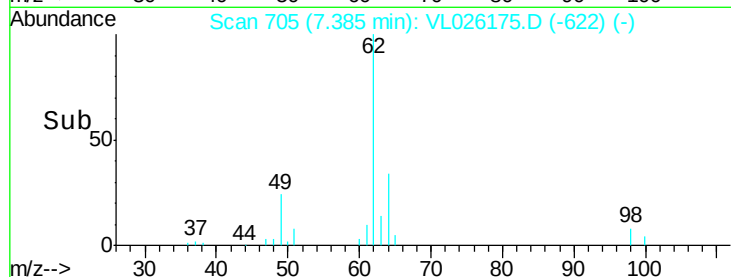
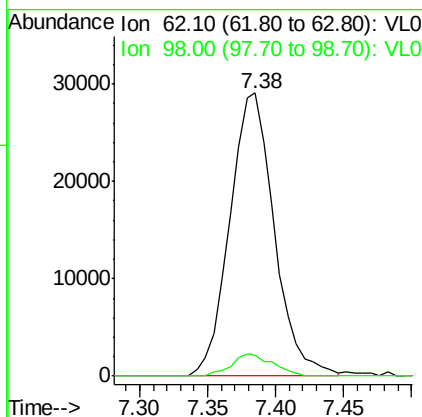
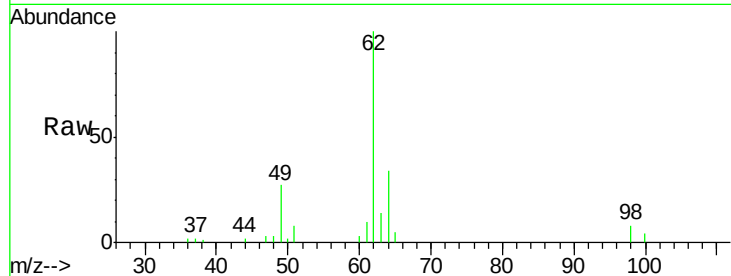
#37
 1,2-Dichloroethane
 Concen: 0.50 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.3	6.2	9.2

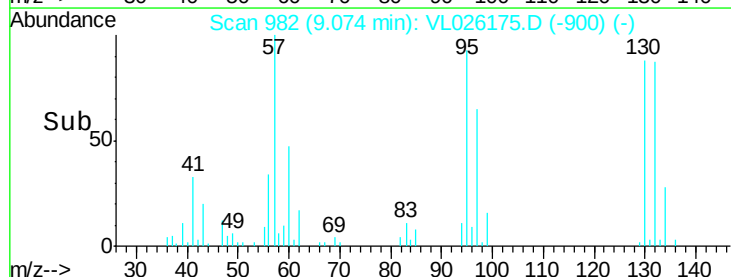
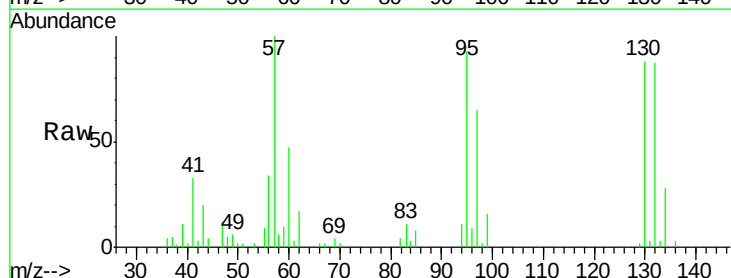
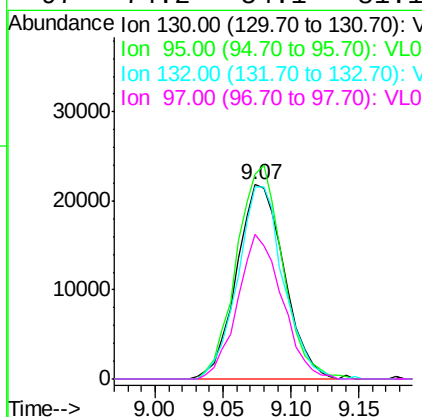
Manual Integrations
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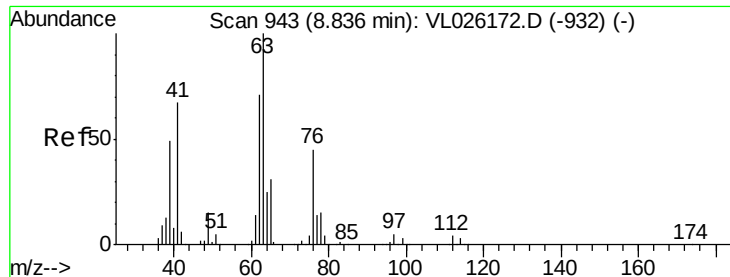
MMdadoda
 10/12/2015 1:25:25 PM



#38
 Trichloroethene
 Concen: 0.46 ppbv
 RT: 9.07 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	84.9	127.3
132	98.8	76.8	115.2
97	74.2	54.1	81.1





#39

1,2-Dichloropropane

Concen: 0.48 ppbv

RT: 8.84 min Scan# 944

Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

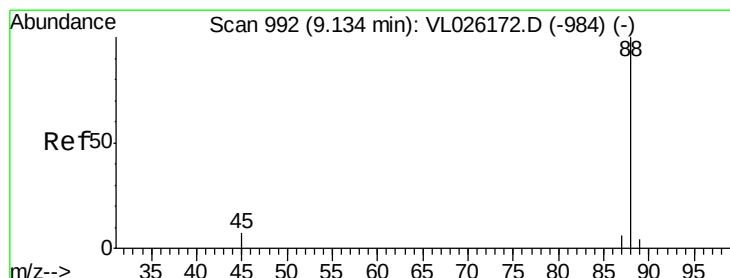
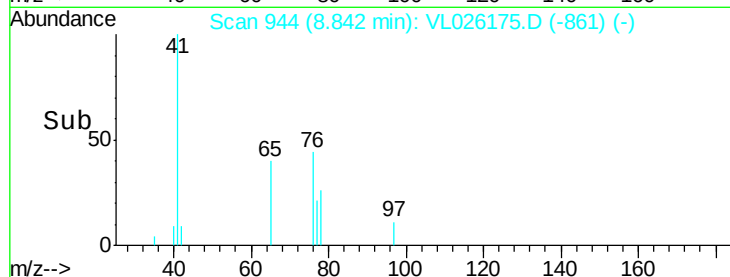
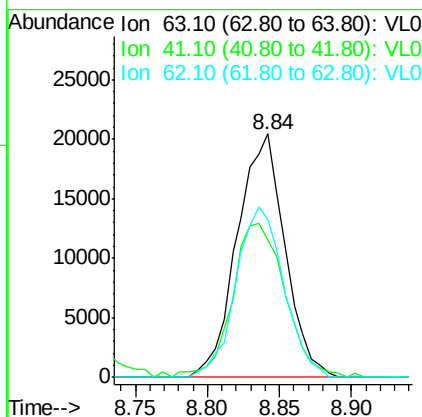
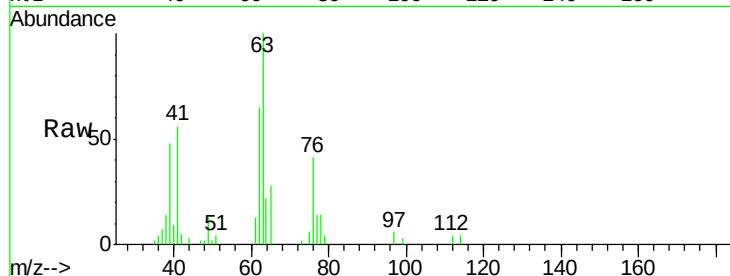
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	46971
Ion	Ratio	Lower	Upper
63	100		
41	54.6	53.9	80.9
62	64.6	57.1	85.7

Manual Integrations
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#40

1,4-Dioxane

Concen: 0.39 ppbv m

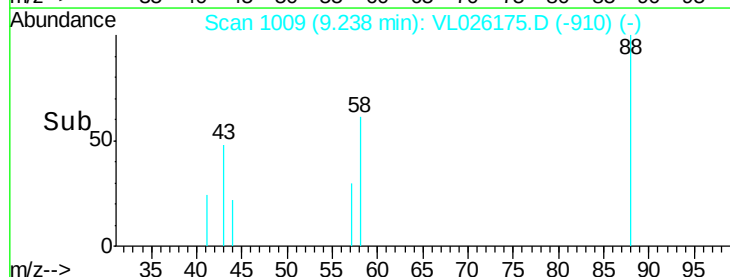
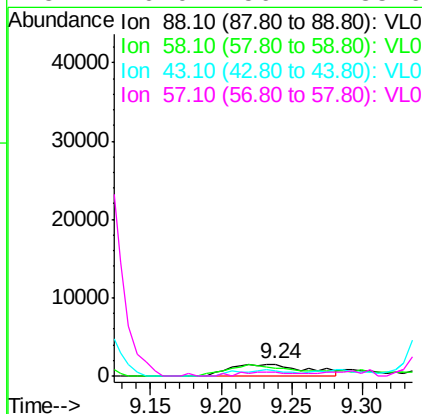
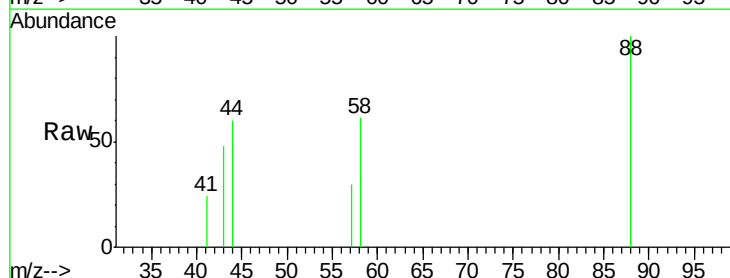
RT: 9.24 min Scan# 1009

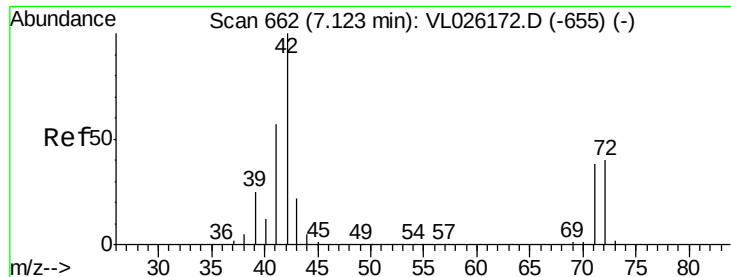
Delta R.T. 0.10 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion:	88	Resp:	5602
Ion	Ratio	Lower	Upper
88	100		
58	108.4	178.4	267.6#
43	0.0	510.2	765.4#
57	0.0	2564.2	3846.4#





#41

Tetrahydrofuran

Concen: 0.37 ppbv

RT: 7.18 min Scan# 671

Delta R.T. 0.05 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

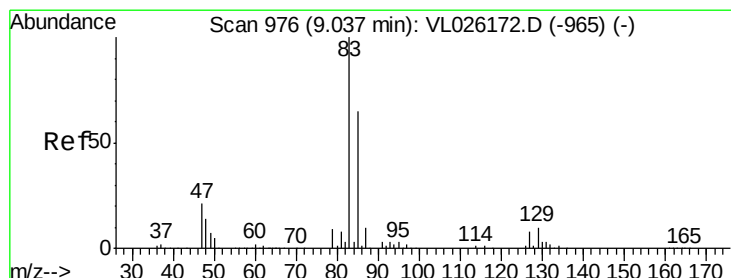
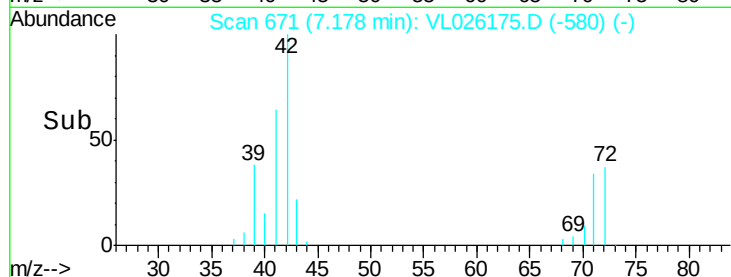
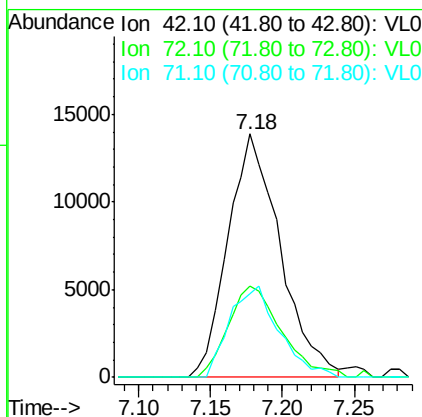
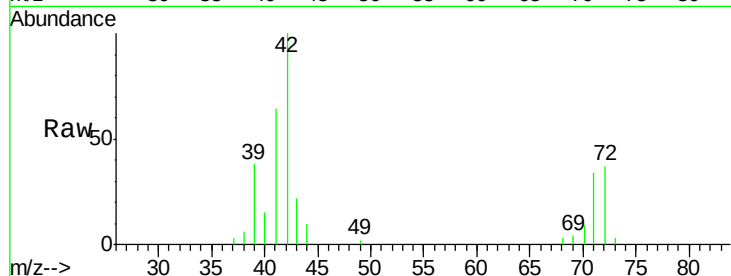
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	35087
Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.4	48.6
71	35.6	30.2	45.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.47 ppbv

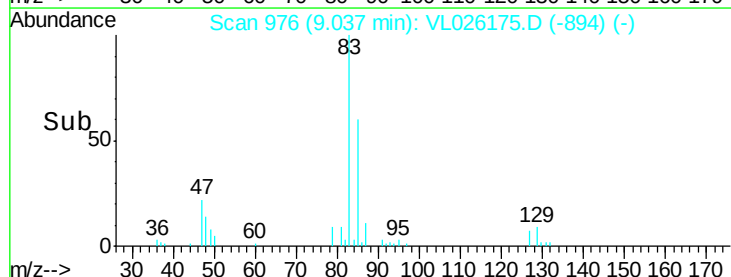
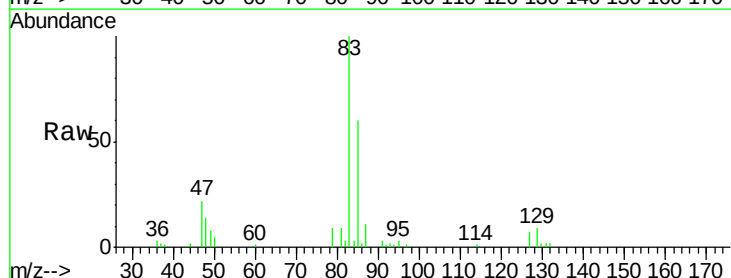
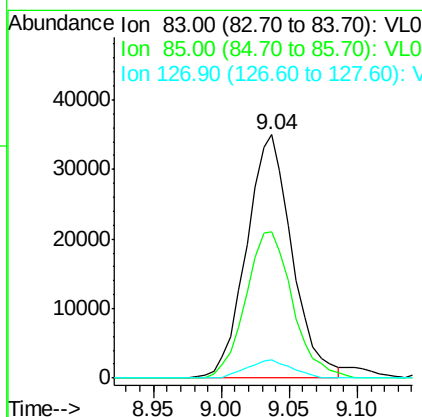
RT: 9.04 min Scan# 976

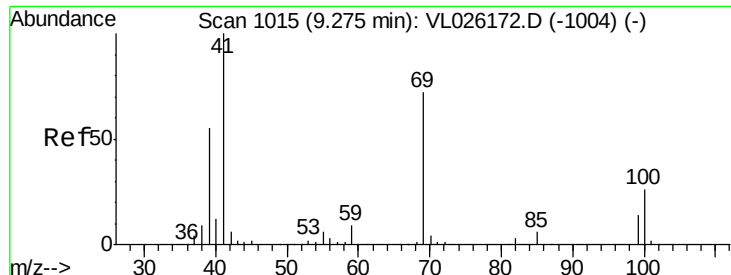
Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion:	83	Resp:	81812
Ion	Ratio	Lower	Upper
83	100		
85	60.3	51.9	77.9
127	7.3	6.2	9.4





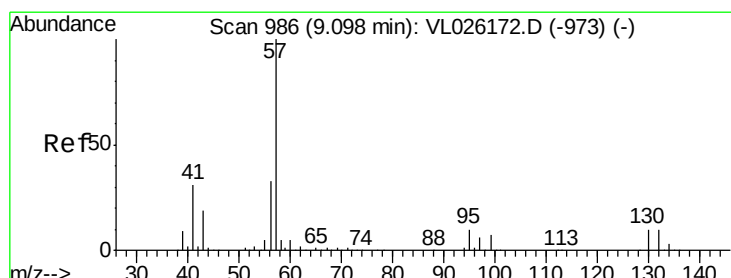
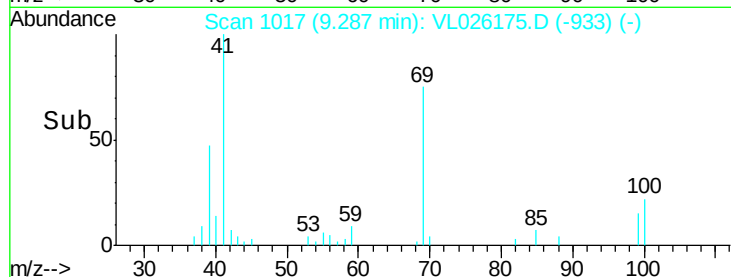
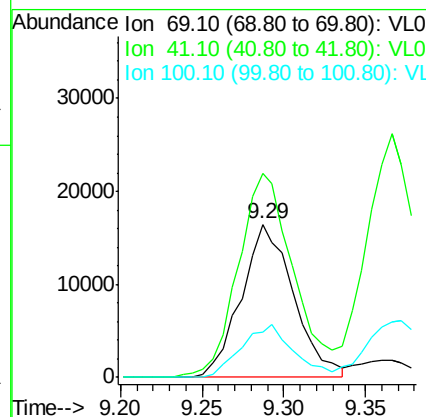
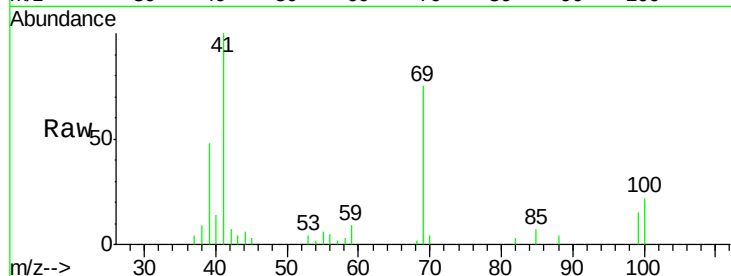
#43
Methyl Methacrylate
Concen: 0.39 ppbv
RT: 9.29 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		36932		
41	136.5	111.5	167.3		
100	33.8	28.4	42.6		

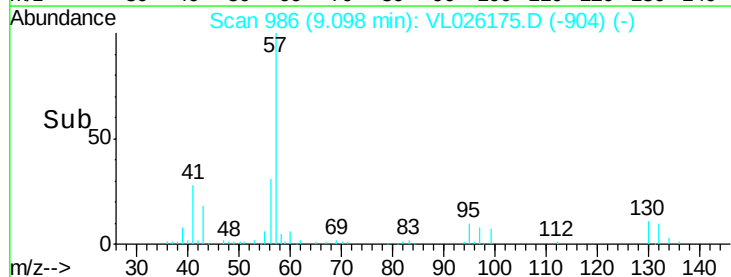
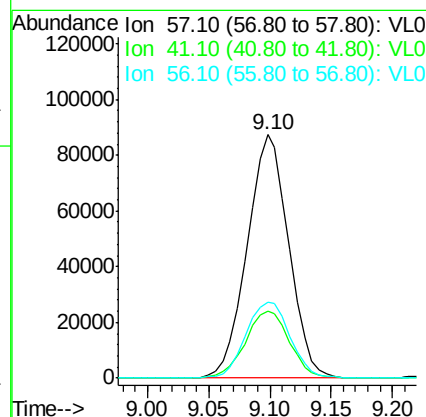
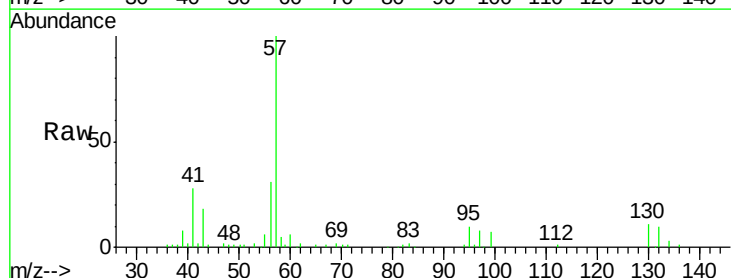
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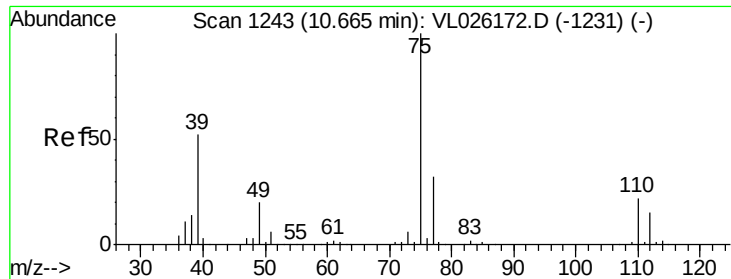
MMdadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.46 ppbv
RT: 9.10 min Scan# 986
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100		206470		
41	29.5	23.7	35.5		
56	33.1	26.4	39.6		





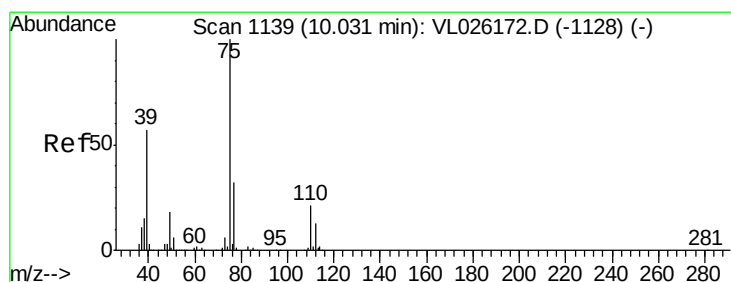
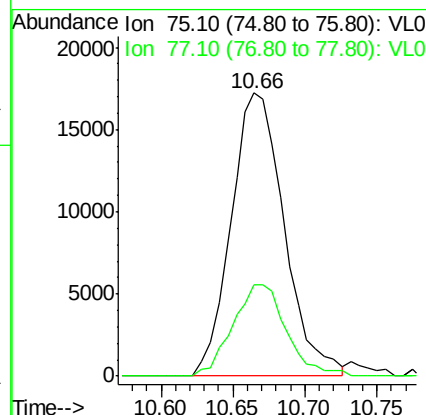
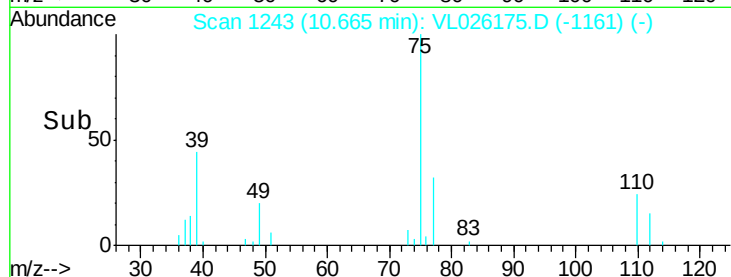
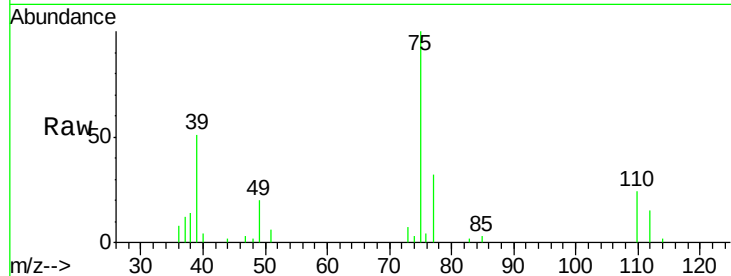
#45
t-1,3-Dichloropropene
Concen: 0.36 ppbv
RT: 10.66 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 44123
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3

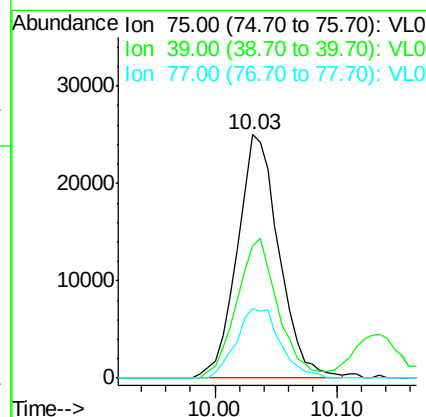
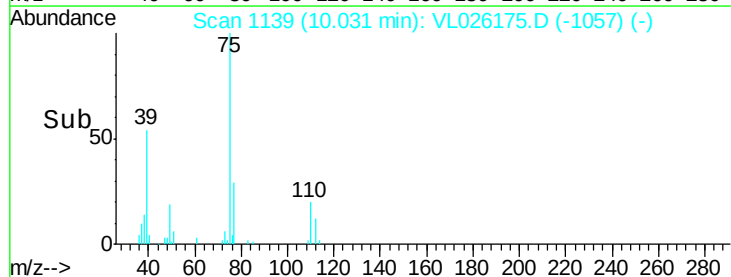
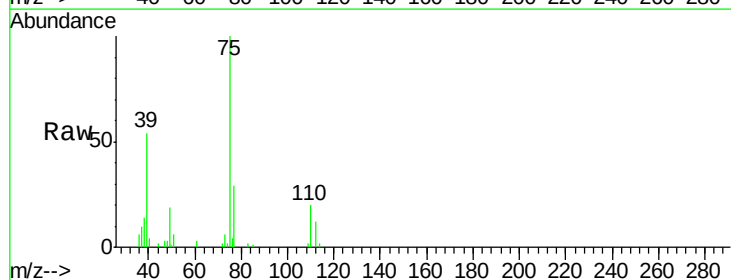
Manual Integrations
APPROVED

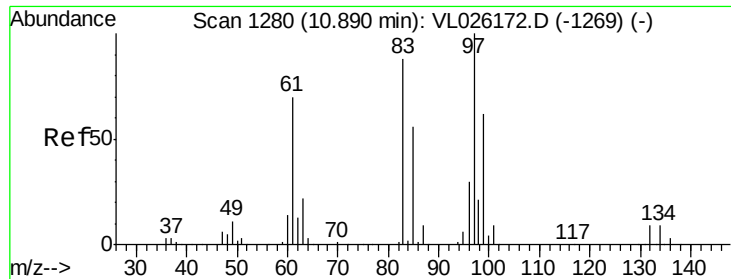
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#46
cis-1,3-Dichloropropene
Concen: 0.39 ppbv
RT: 10.03 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion: 75 Resp: 59192
Ion Ratio Lower Upper
75 100
39 54.1 45.4 68.2
77 28.7 25.4 38.2





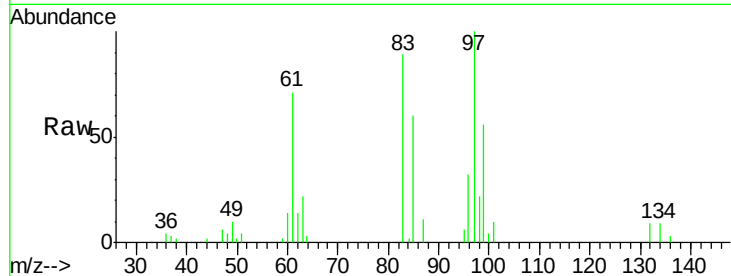
#47
 1,1,2-Trichloroethane
 Concen: 0.50 ppbv
 RT: 10.89 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		55498		
83	89.2	70.6	106.0		
85	60.0	45.1	67.7		
99	56.4	49.9	74.9		

Manual Integrations
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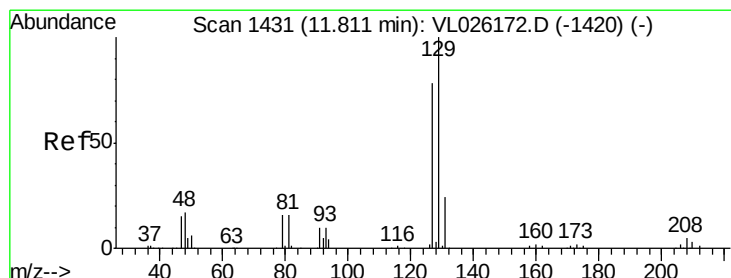
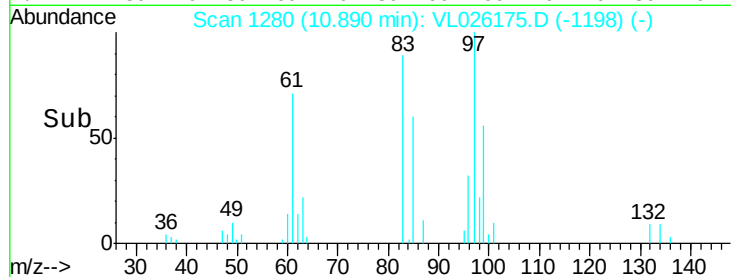
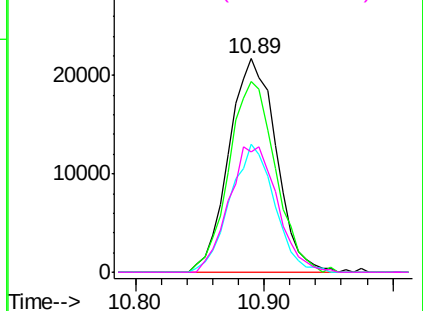


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

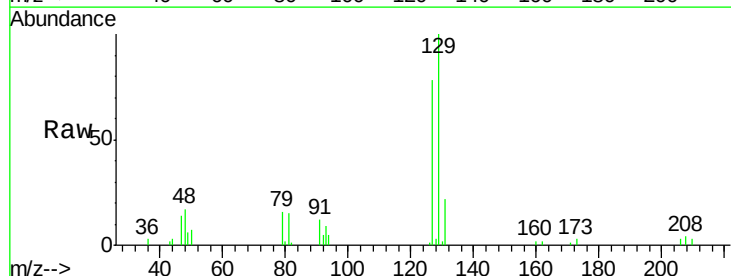
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



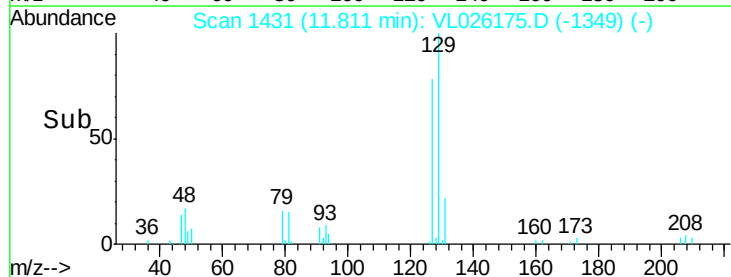
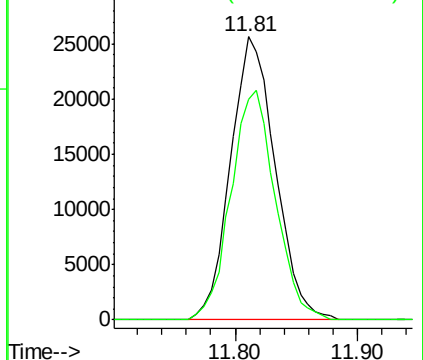
#48
 Dibromochloromethane
 Concen: 0.43 ppbv
 RT: 11.81 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

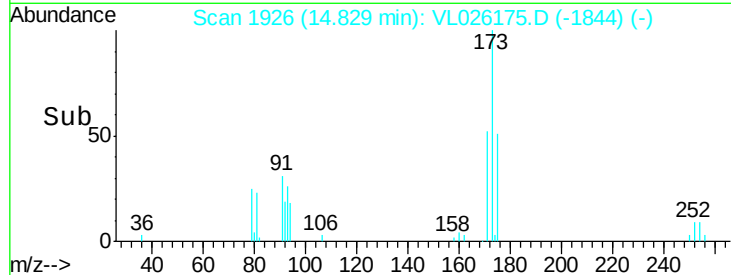
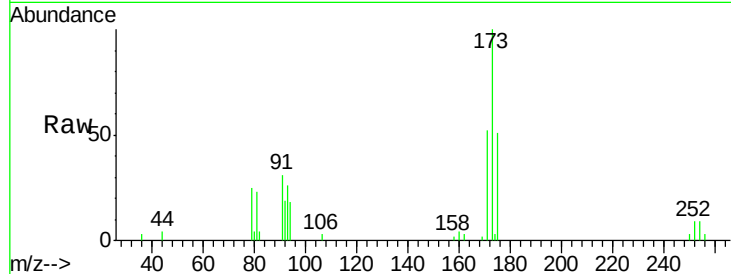
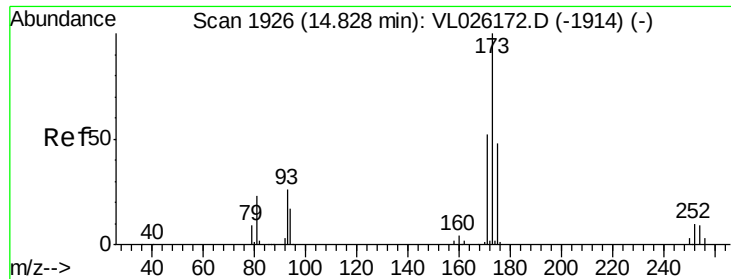
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		65085		
127	80.6	39.0	117.0		



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





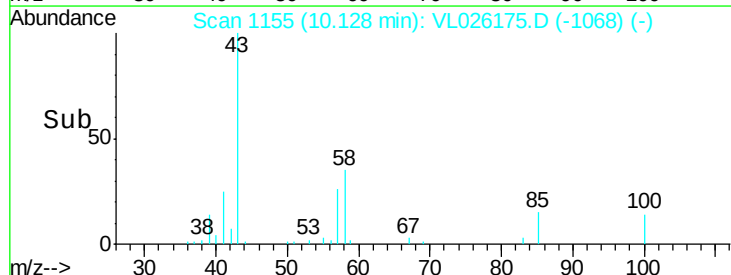
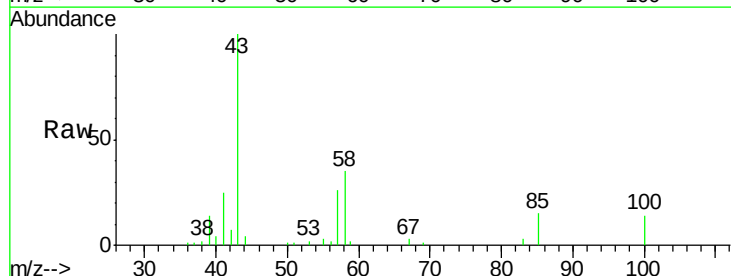
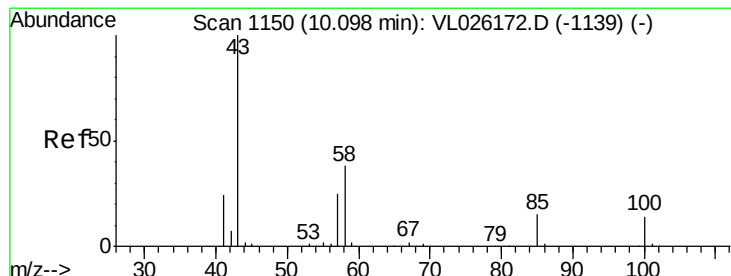
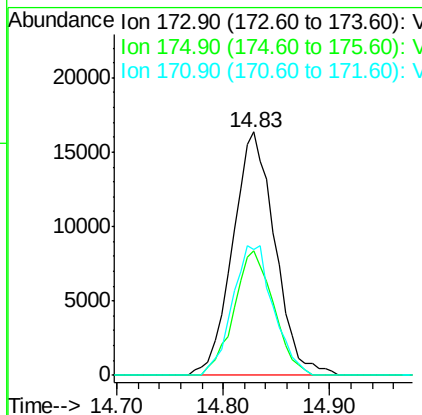
#49
Bromoform
Concen: 0.40 ppbv
RT: 14.83 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tot Ion: 173 Resp: 45567
Ion Ratio Lower Upper
173 100
175 47.9 39.0 58.6
171 51.5 41.9 62.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

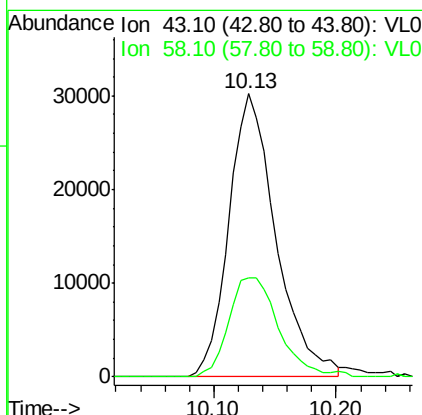
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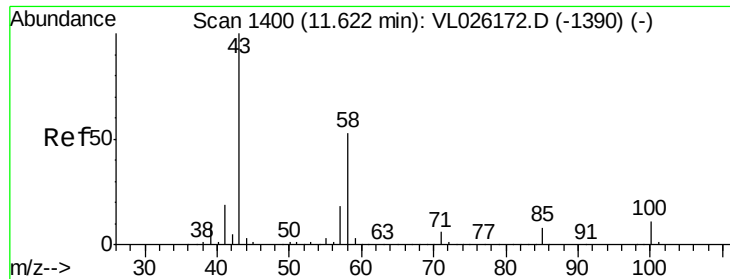
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#50
4-Methyl-2-Pentanone
Concen: 0.38 ppbv
RT: 10.13 min Scan# 1155
Delta R.T. 0.03 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion: 43 Resp: 80665
Ion Ratio Lower Upper
43 100
58 37.5 30.4 45.6





#51

2-Hexanone

Concen: 0.33 ppbv

RT: 11.67 min Scan# 1408

Delta R.T. 0.05 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

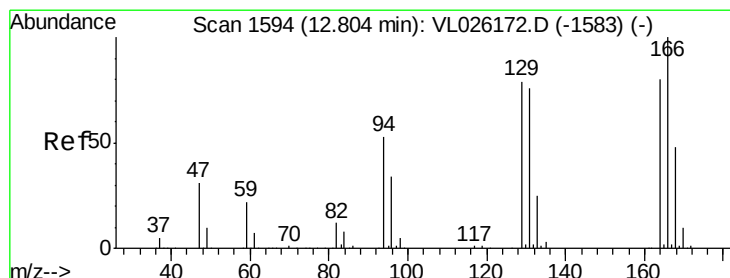
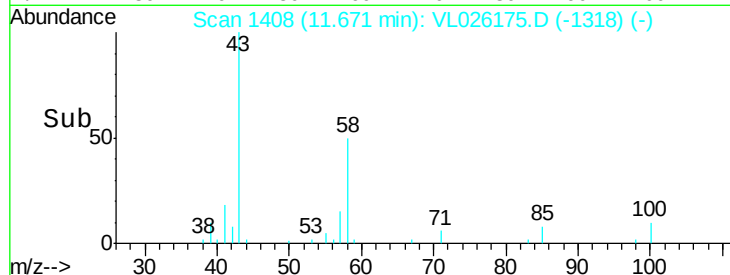
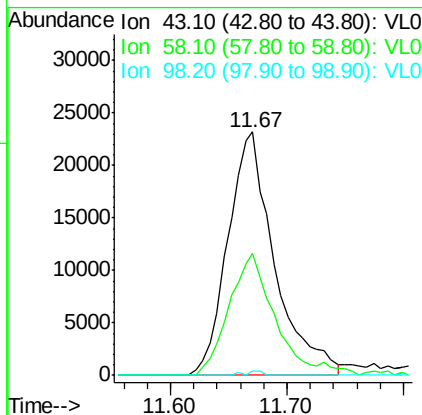
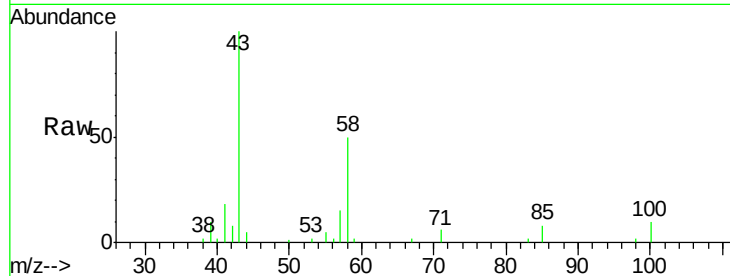
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	64477
Ion	Ratio	Lower	Upper
43	100		
58	50.7	42.2	63.4
98	0.6	0.2	0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 0.46 ppbv

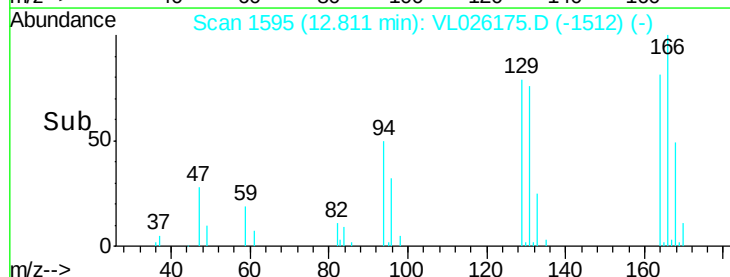
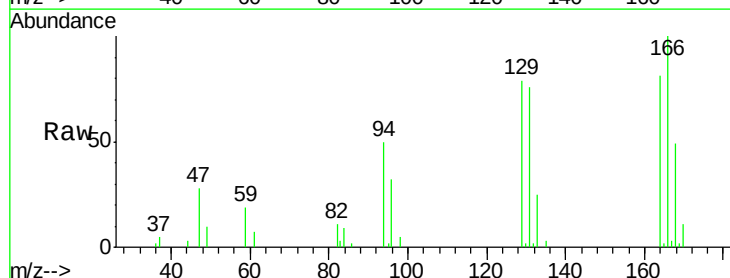
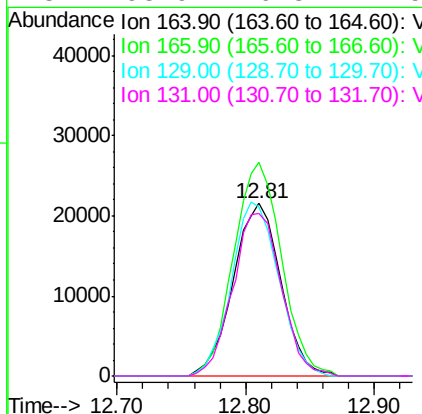
RT: 12.81 min Scan# 1595

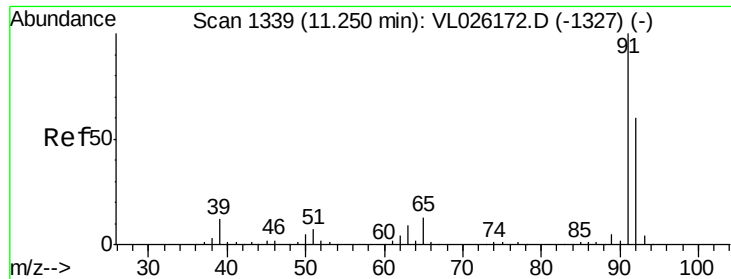
Delta R.T. 0.01 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion:	164	Resp:	55351
Ion	Ratio	Lower	Upper
164	100		
166	123.8	99.9	149.9
129	97.7	79.1	118.7
131	93.9	76.3	114.5





#53

Toluene

Concen: 0.44 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 147638

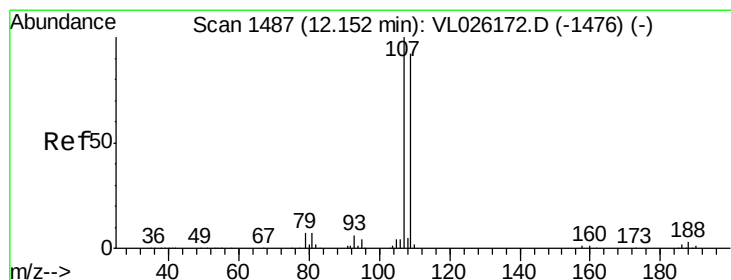
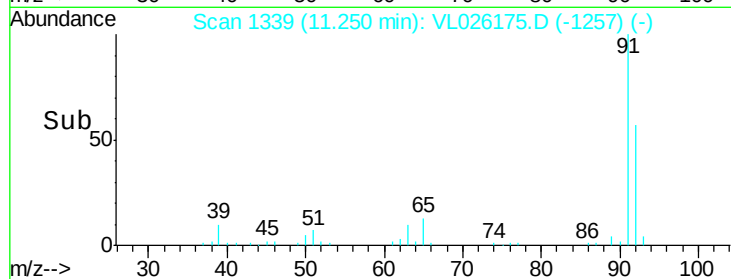
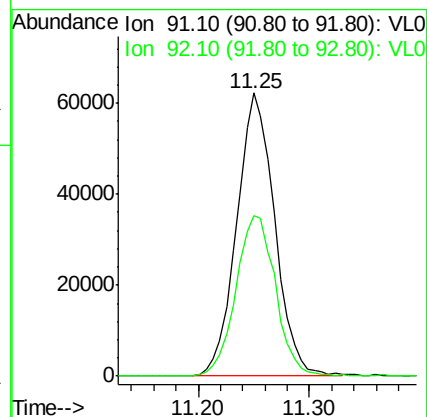
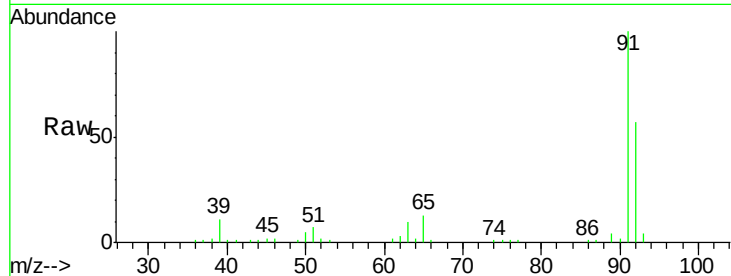
Ion Ratio Lower Upper

91 100

92 58.6 48.5 72.7

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 0.48 ppbv

RT: 12.16 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VL026175.D

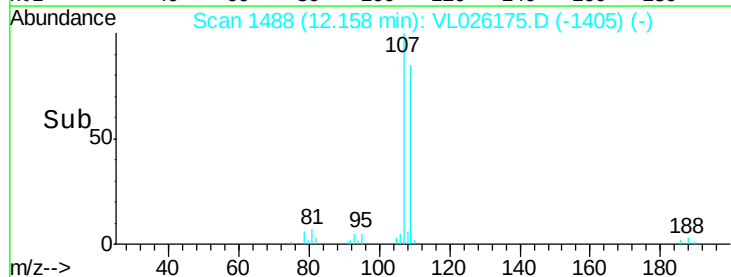
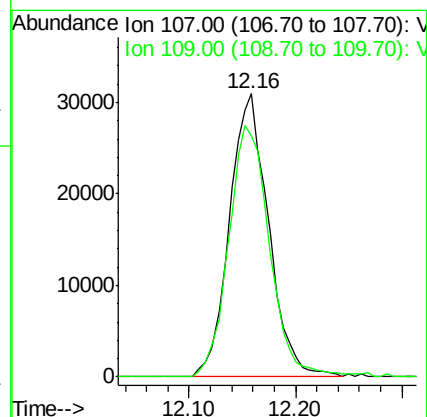
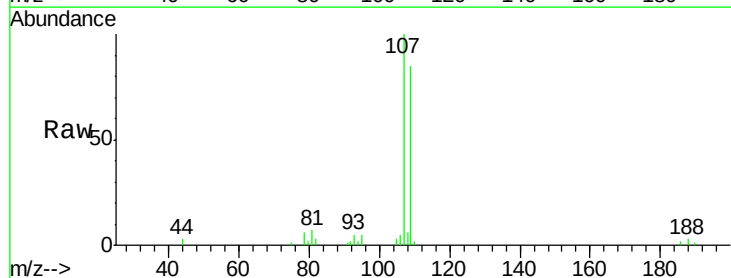
Acq: 9 Oct 2015 12:57

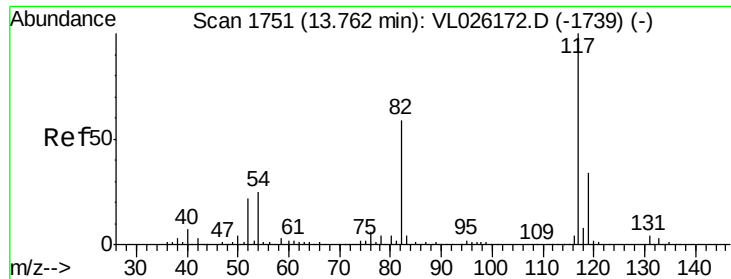
Tgt Ion: 107 Resp: 79468

Ion Ratio Lower Upper

107 100

109 85.3 73.2 109.8





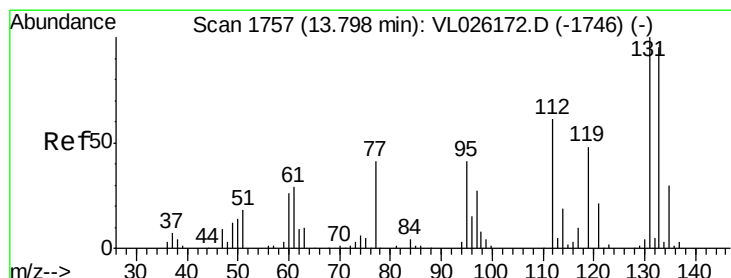
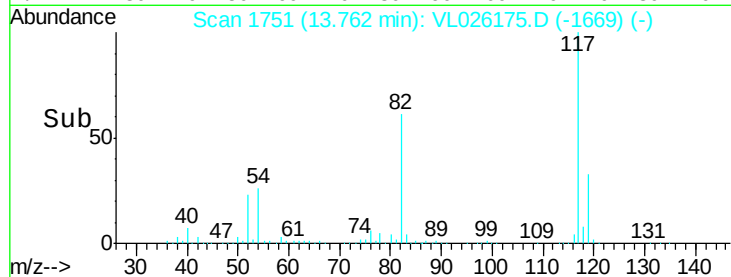
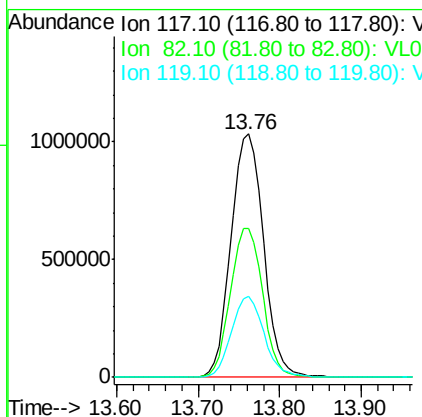
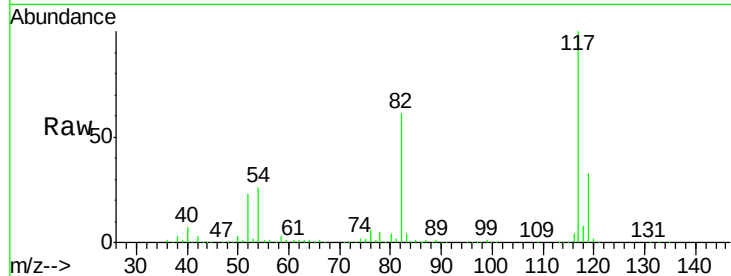
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 2865462
Ion Ratio Lower Upper
117 100
82 61.1 47.7 71.5
119 33.7 43.7 65.5#

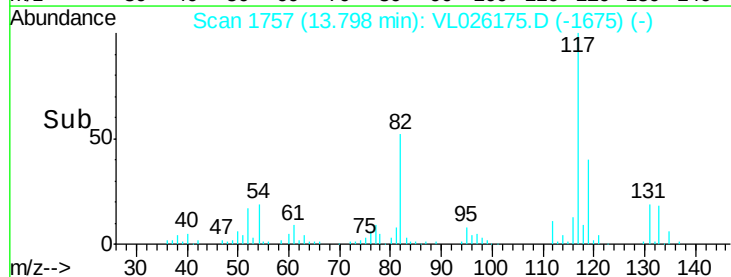
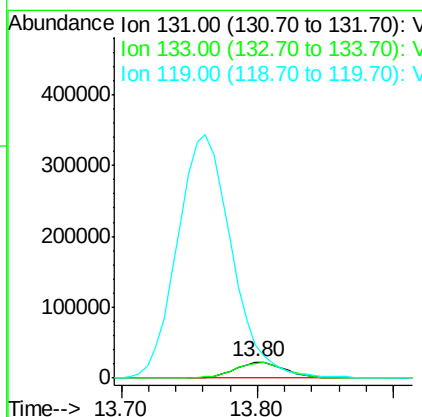
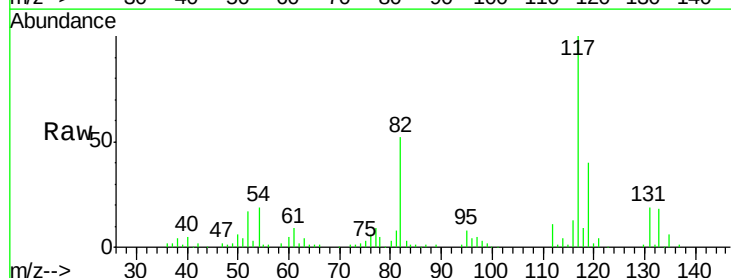
Manual Integrations
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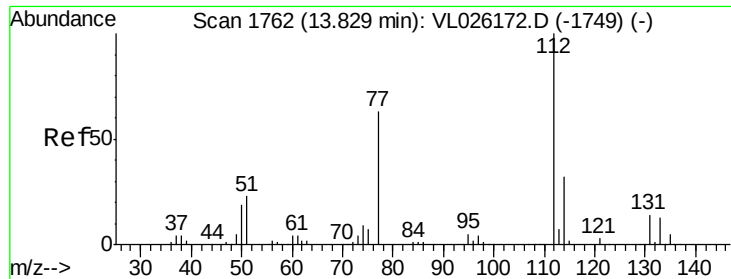
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.48 ppbv
RT: 13.80 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion:131 Resp: 57483
Ion Ratio Lower Upper
131 100
133 98.1 76.5 114.7
119 1676.5 116.0 174.0#





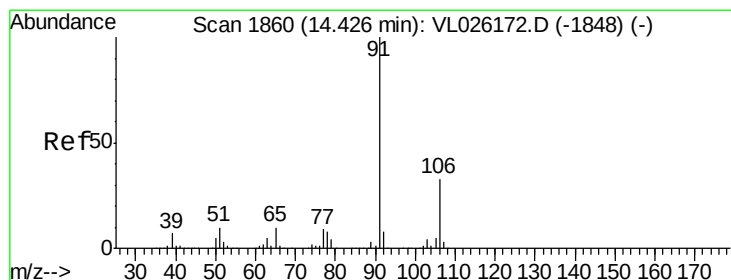
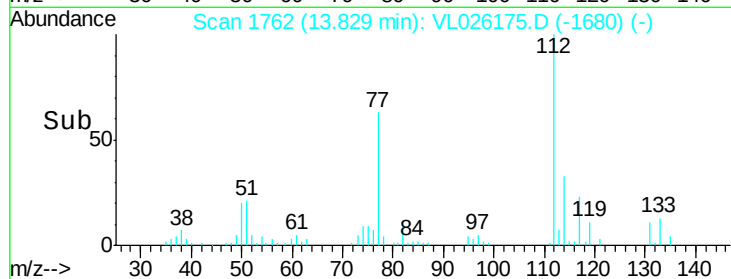
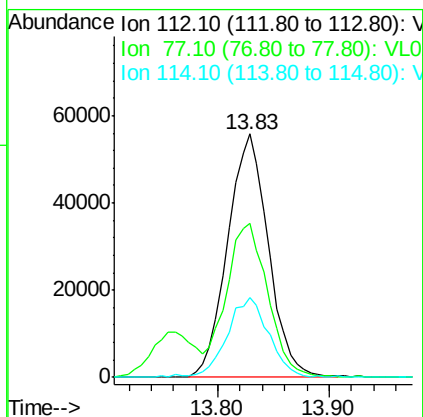
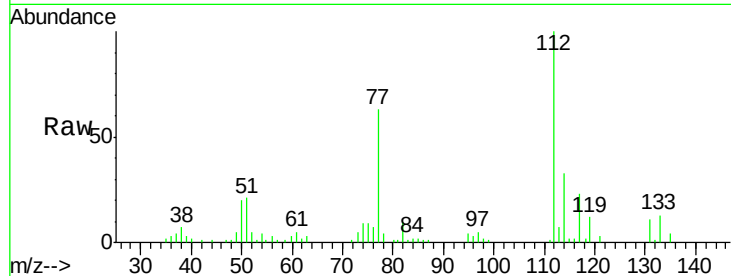
#57
Chlorobenzene
Concen: 0.50 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.1	51.0	76.4
114	32.1	29.0	35.4

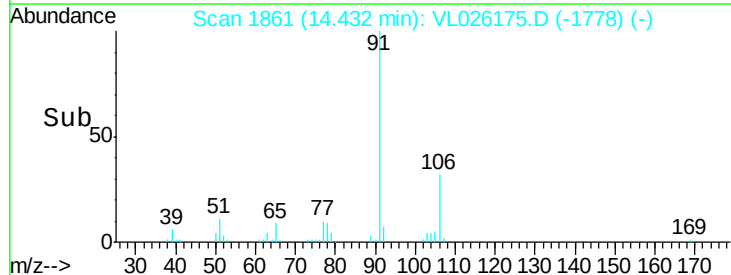
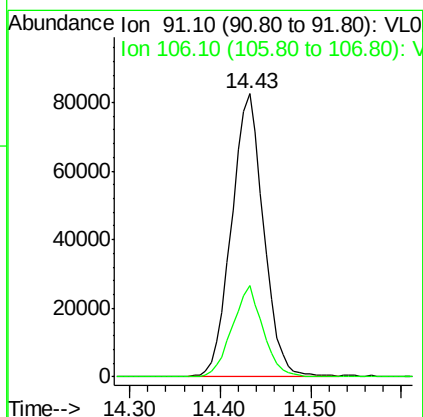
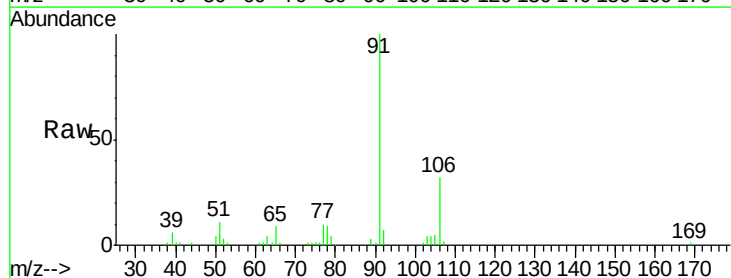
Manual Integrations
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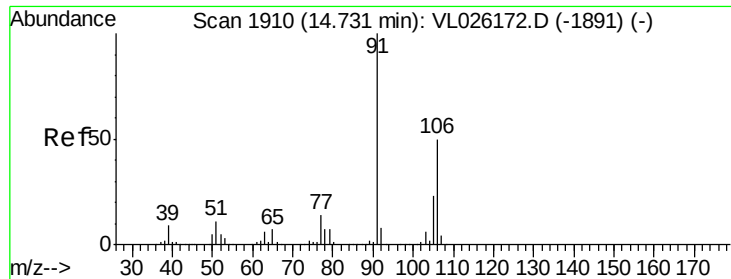
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#58
Ethyl Benzene
Concen: 0.43 ppbv
RT: 14.43 min Scan# 1861
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.1	39.1





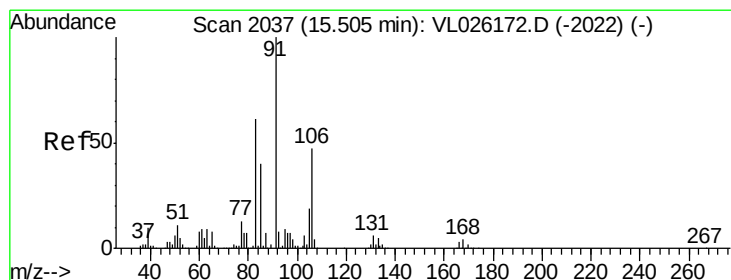
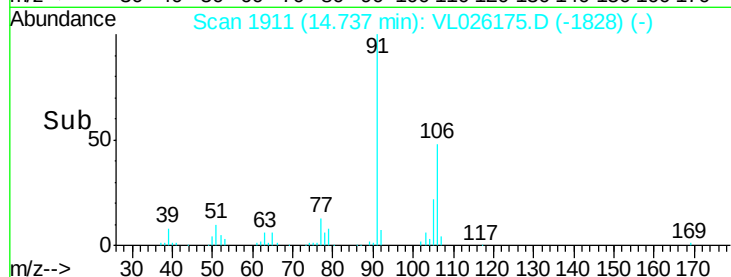
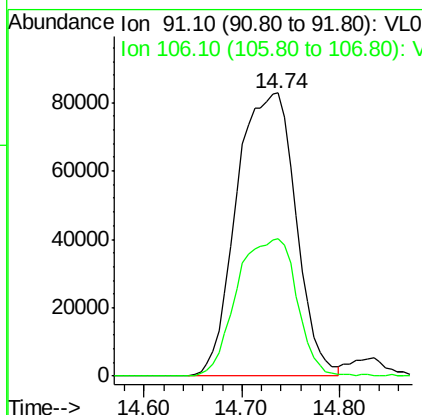
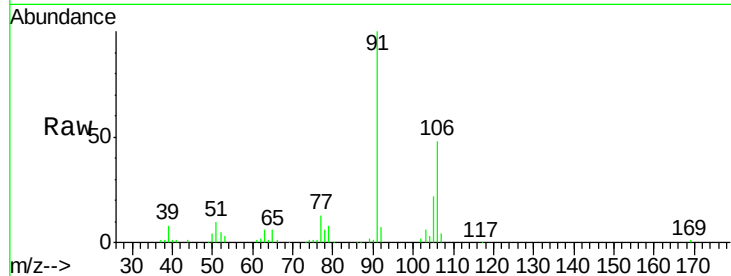
#59
m/p-Xylene
Concen: 0.93 ppbv
RT: 14.74 min Scan# 1911
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 347618
Ion Ratio Lower Upper
91 100
106 48.9 40.2 60.4

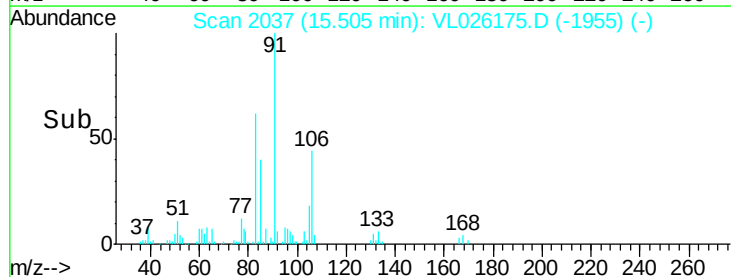
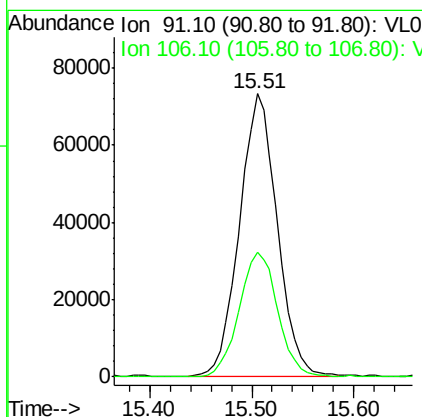
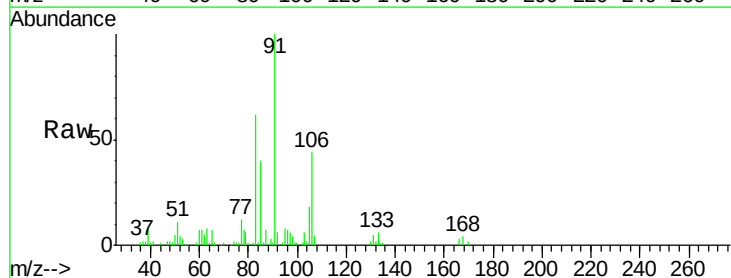
Manual Integrations
APPROVED

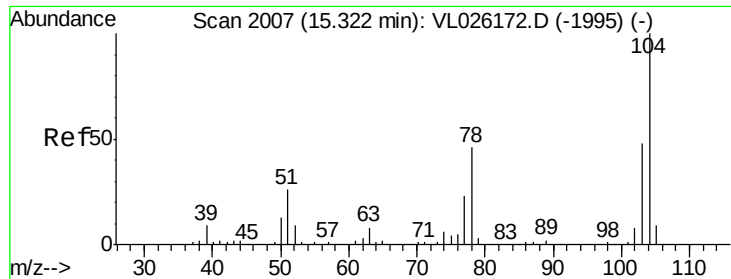
MMdadoda
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#60
o-Xylene
Concen: 0.49 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion: 91 Resp: 188976
Ion Ratio Lower Upper
91 100
106 44.8 23.4 70.3





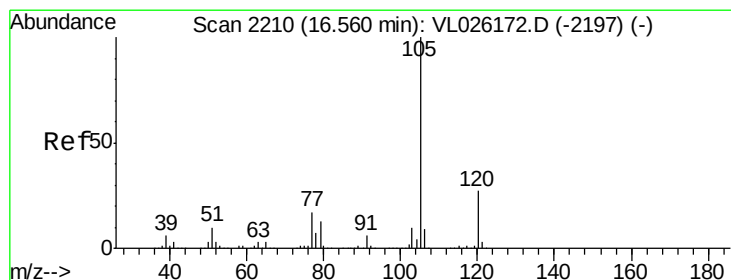
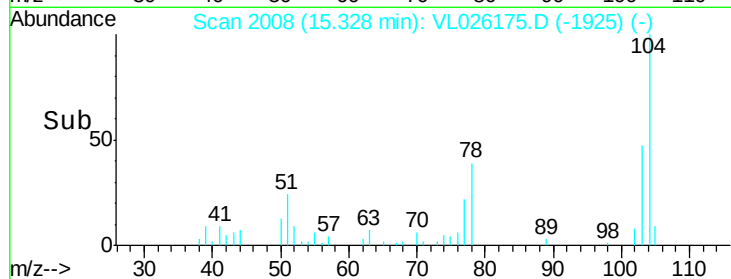
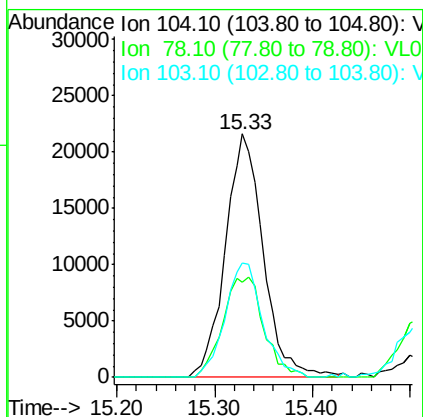
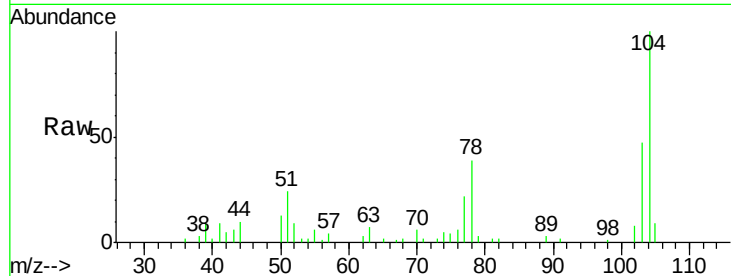
#61
Stvrene
Concen: 0.35 ppbv
RT: 15.33 min Scan# 2008
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	44.5	36.1	54.1
103	46.8	37.5	56.3

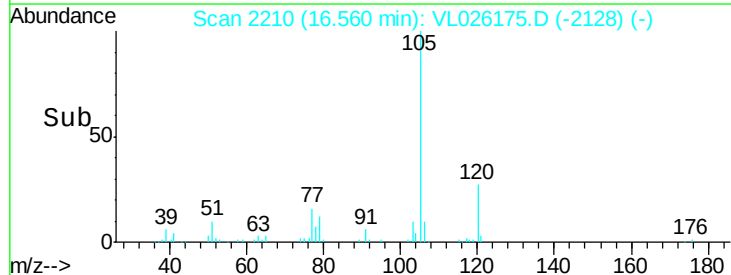
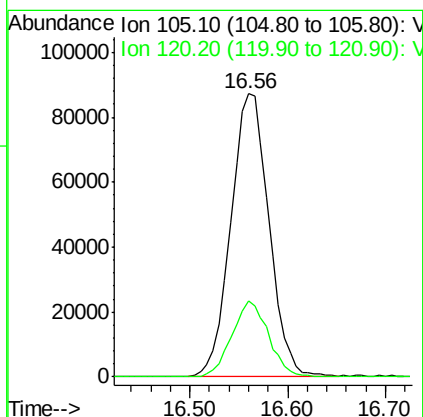
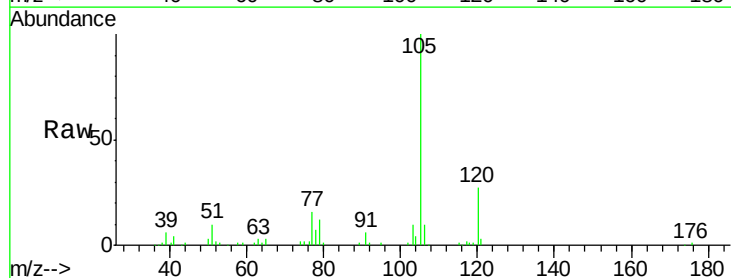
Manual Integrations
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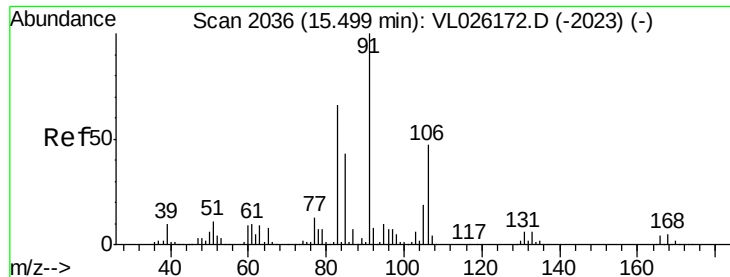
MMdadoda
10/12/2015 1:25:25 PM



#62
Isopropylbenzene
Concen: 0.46 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.8	32.6





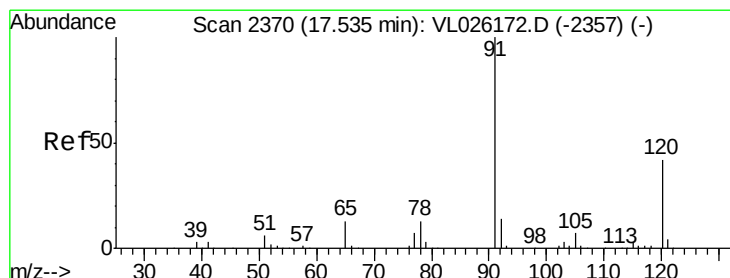
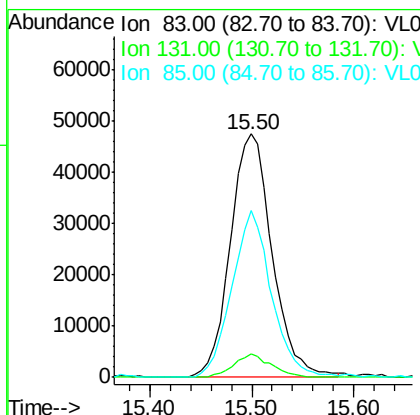
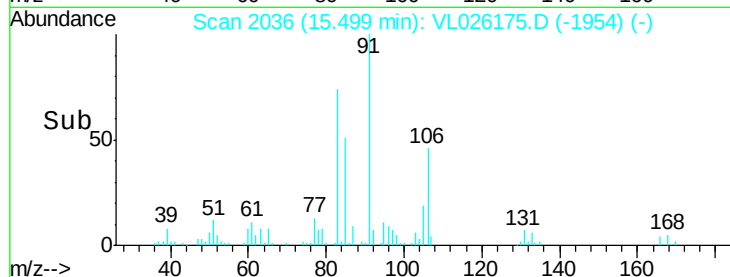
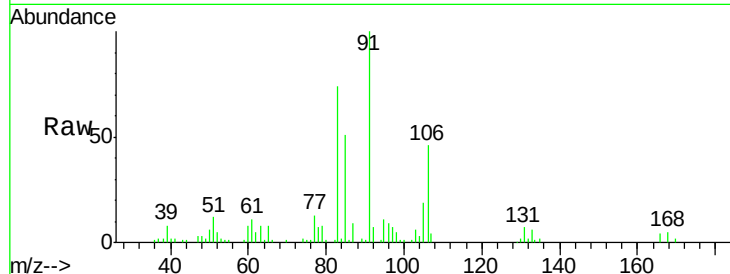
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.45 ppbv
 RT: 15.50 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	83	Resp	135226
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.5	13.7
85	65.3	32.6	97.7

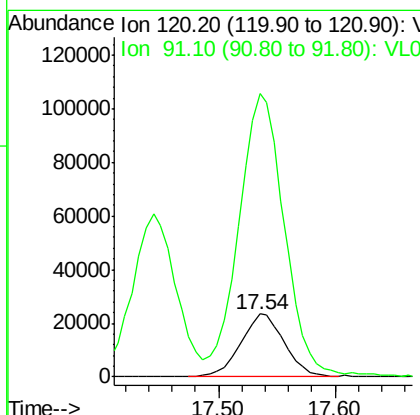
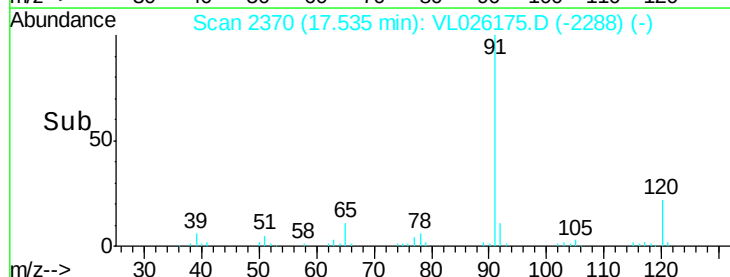
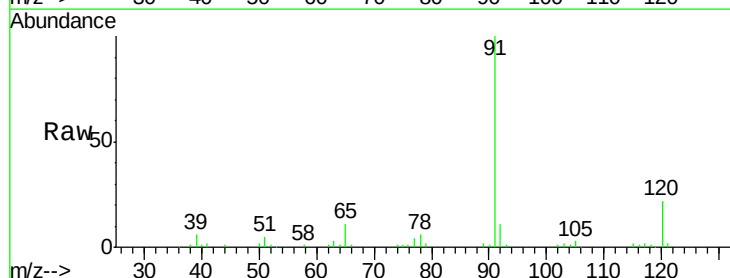
Manual Integrations
 APPROVED

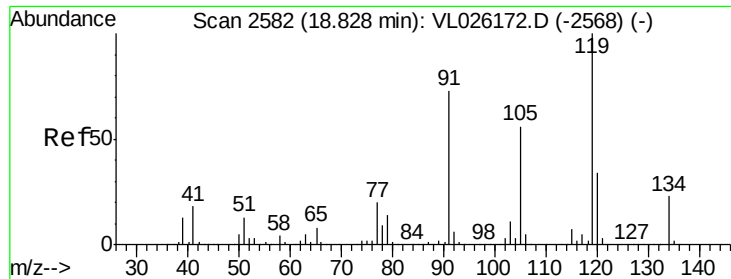
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#64
 n-propylbenzene
 Concen: 0.45 ppbv
 RT: 17.54 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion	120	Resp	60782
Ion	Ratio	Lower	Upper
120	100		
91	470.0	353.4	530.2





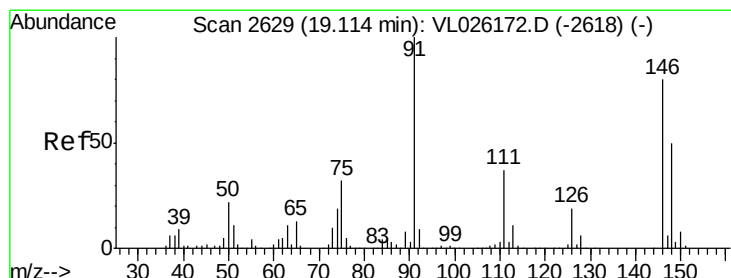
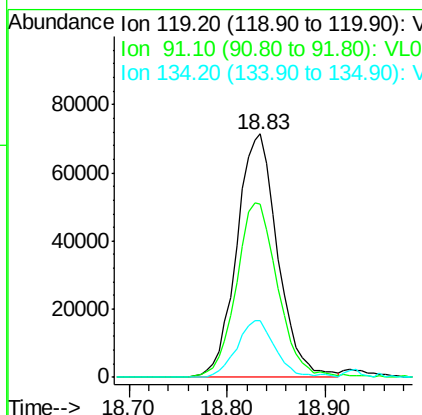
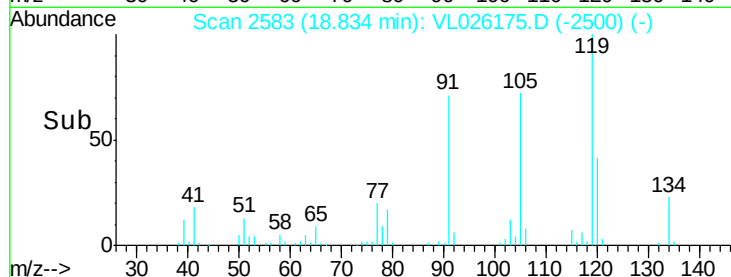
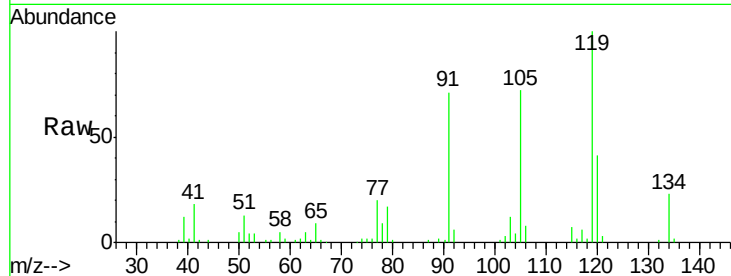
#65
 tert-Butylbenzene
 Concen: 0.46 ppbv
 RT: 18.83 min Scan# 2583
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206892		
91	72.9	58.5	87.7	
134	22.0	18.0	27.0	

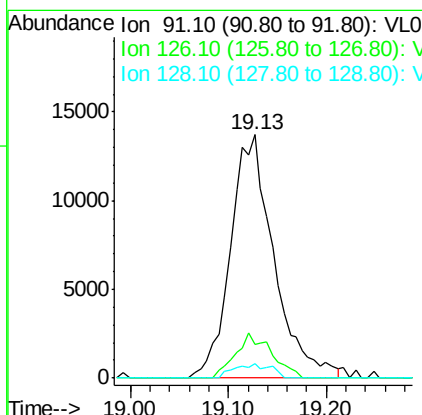
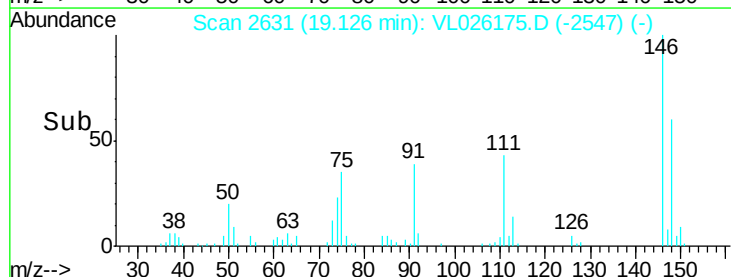
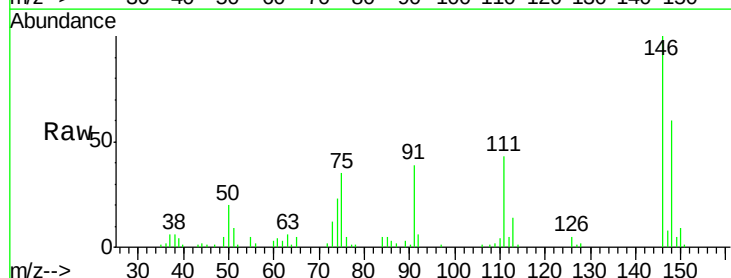
Manual Integrations
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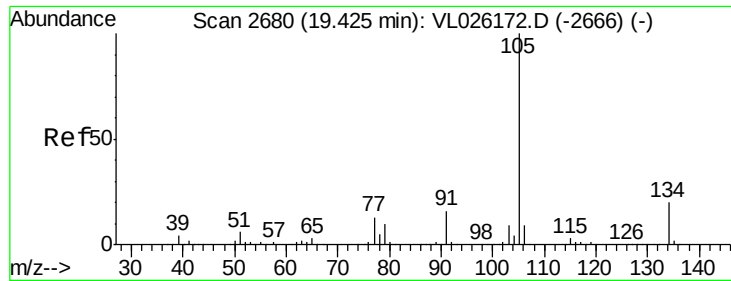
MMdadoda
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#66
 Benzyl Chloride
 Concen: 0.35 ppbv
 RT: 19.13 min Scan# 2631
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	42273		
126	15.3	15.2	22.8	
128	4.9	4.8	7.2	





#67

sec-Butylbenzene

Concen: 0.44 ppbv

RT: 19.43 min Scan# 2680

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 279421

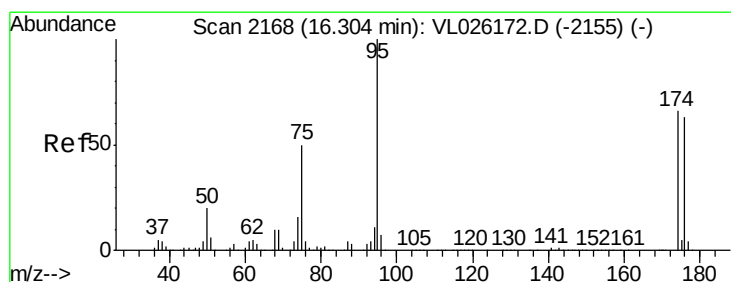
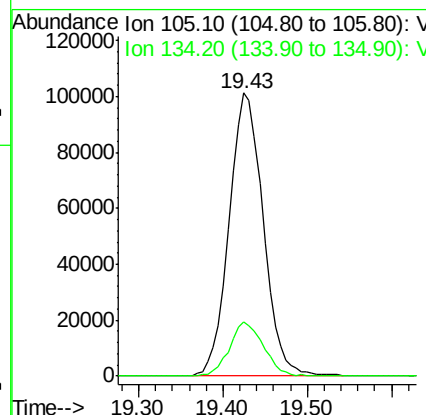
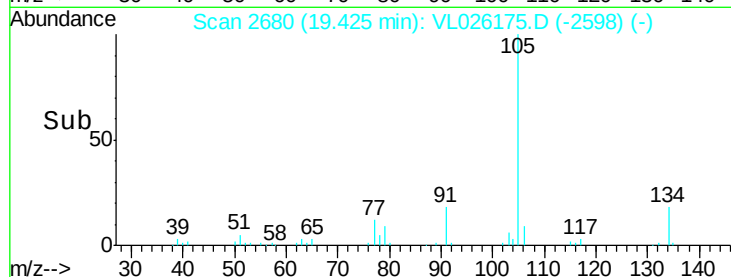
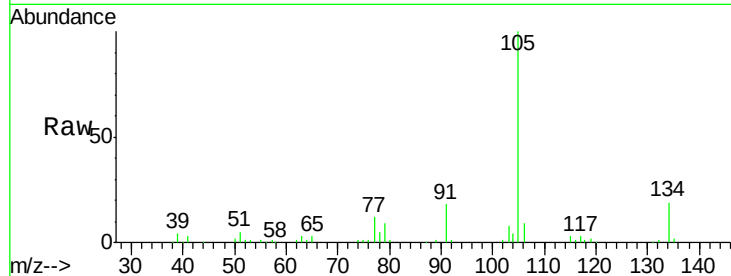
Ion Ratio Lower Upper

105 100

134 19.0 15.9 23.9

Manual Integrations
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MMdadoda
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.64 ppbv

RT: 16.30 min Scan# 2168

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

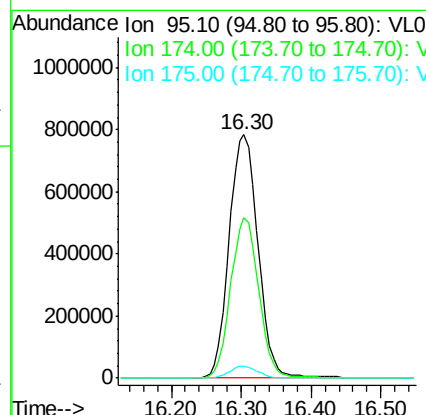
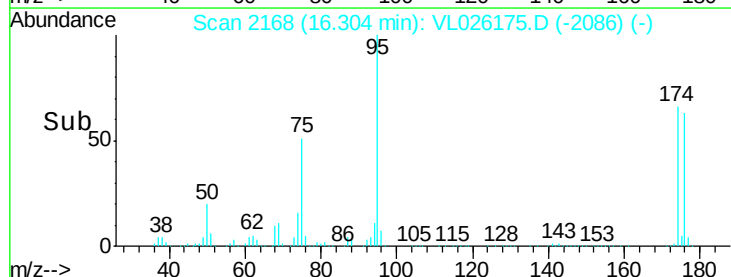
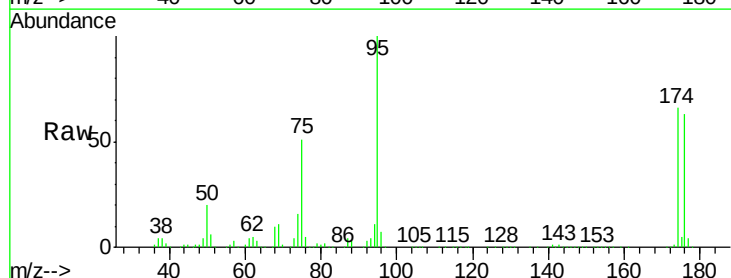
Tgt Ion: 95 Resp: 2250293

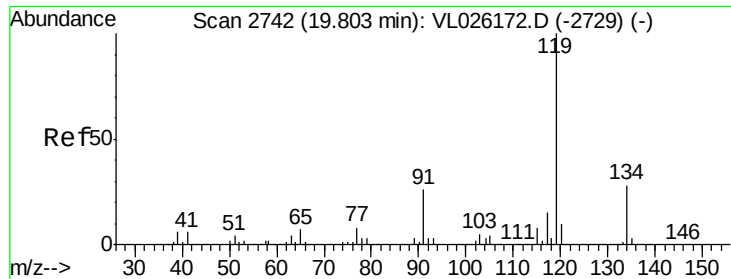
Ion Ratio Lower Upper

95 100

174 64.4 52.2 78.4

175 4.7 3.9 5.9





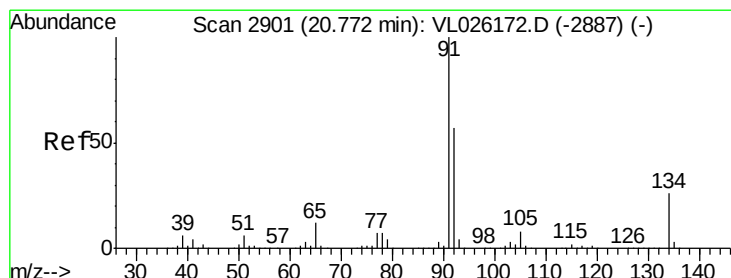
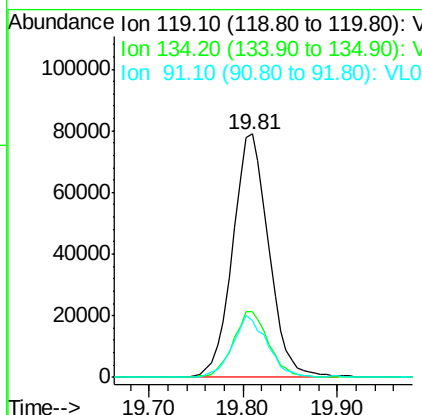
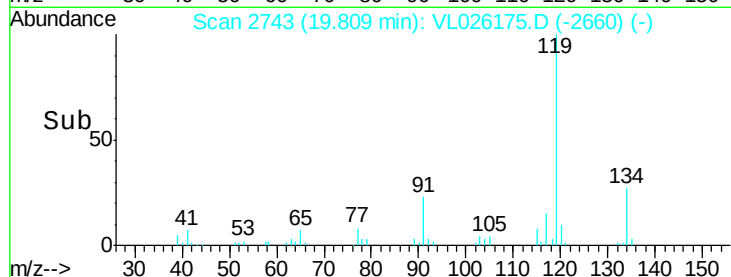
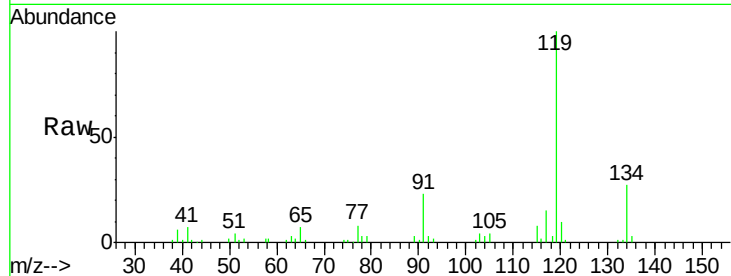
#69
 p-Isopropyltoluene
 Concen: 0.41 ppbv
 RT: 19.81 min Scan# 2743
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.4	32.0
91	24.5	19.9	29.9

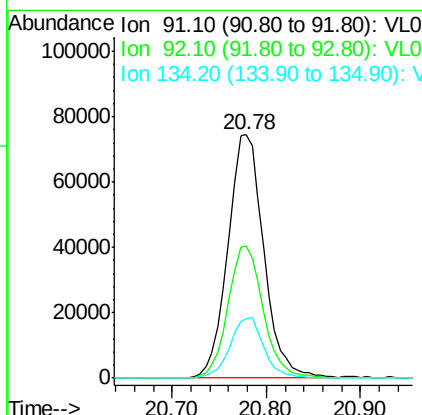
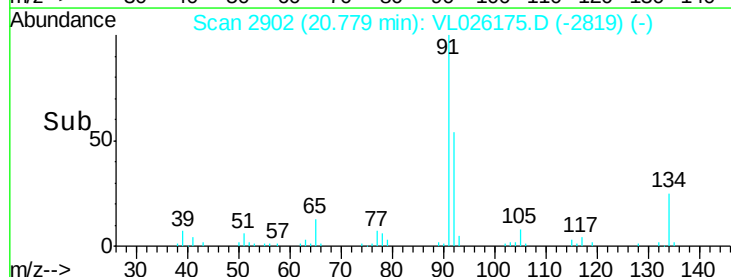
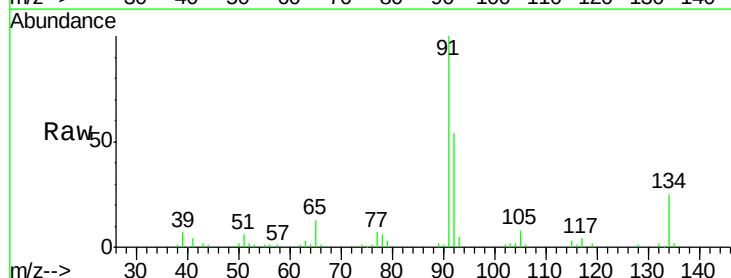
Manual Integrations
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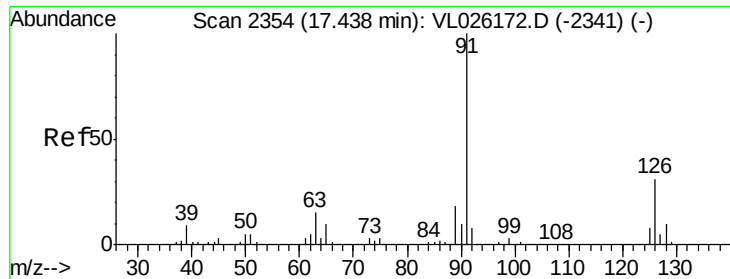
MMdadoda
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#70
 n-Butylbenzene
 Concen: 0.39 ppbv
 RT: 20.78 min Scan# 2902
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	45.0	67.6
134	23.4	19.8	29.8





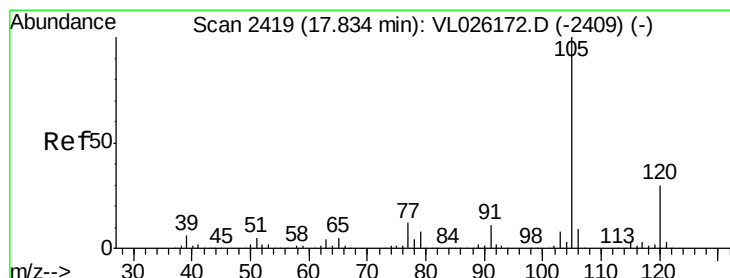
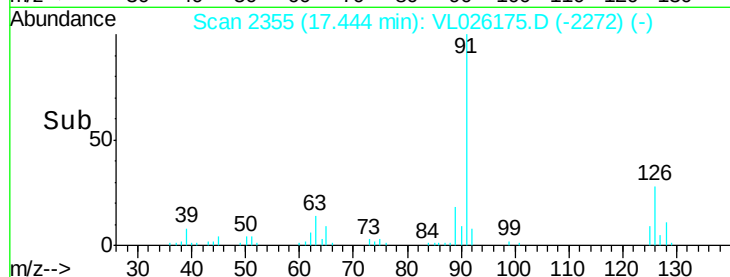
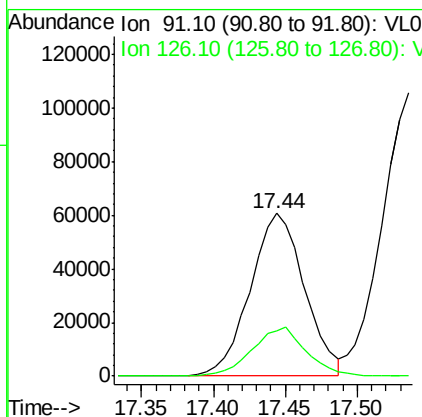
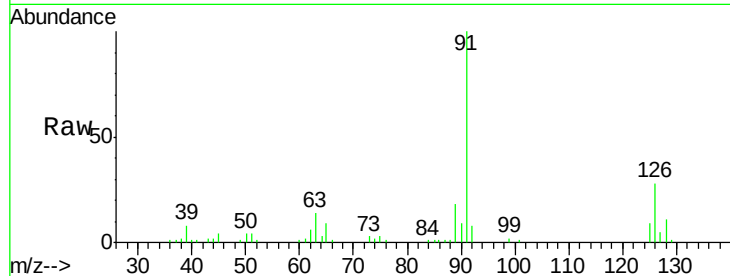
#71
 2-Chlorotoluene
 Concen: 0.41 ppbv
 RT: 17.44 min Scan# 2355
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 159575
 Ion Ratio Lower Upper
 91 100
 126 29.8 12.8 51.2

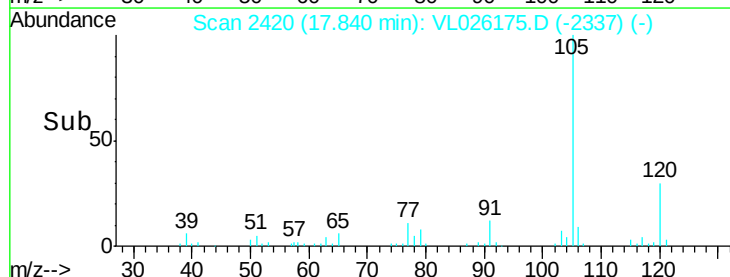
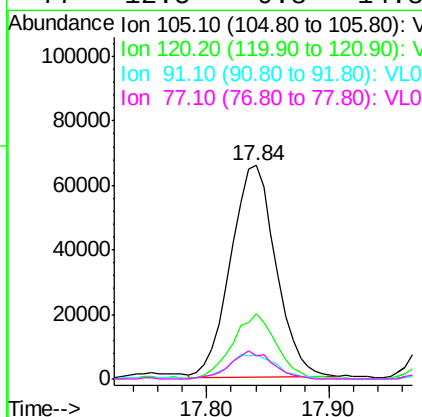
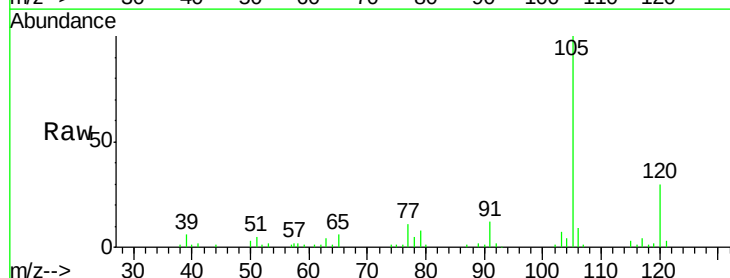
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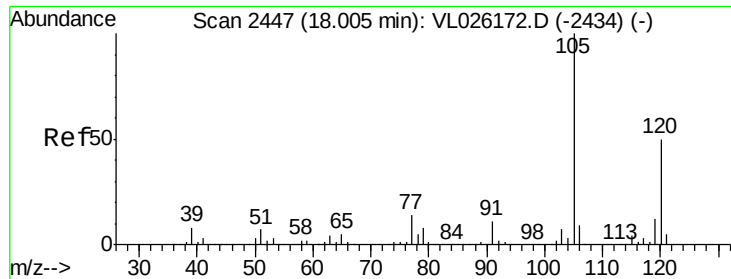
MMdadoda
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#72
 4-Ethyltoluene
 Concen: 0.40 ppbv
 RT: 17.84 min Scan# 2420
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion: 105 Resp: 168824
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.7 37.1
 91 13.6 9.2 13.8
 77 12.5 9.8 14.8





#73

1,3,5-Trimethylbenzene

Concen: 0.42 ppbv

RT: 18.00 min Scan# 2447

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 164902

Ion Ratio Lower Upper

105 100

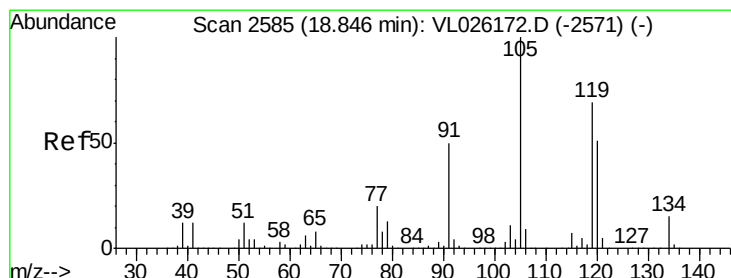
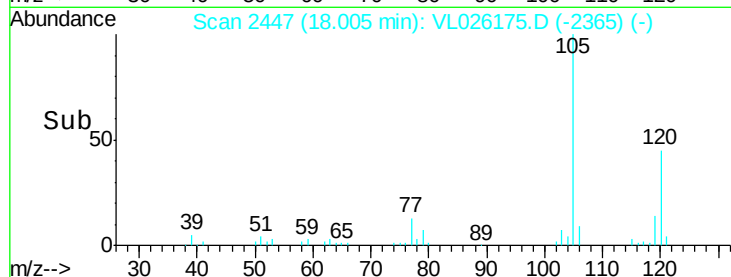
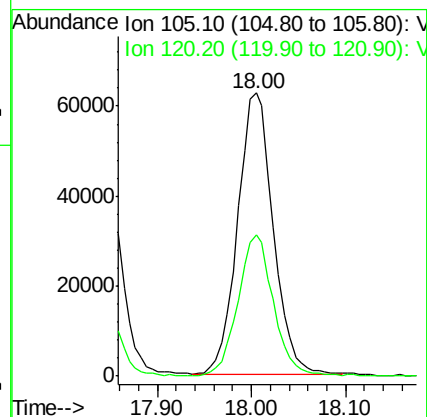
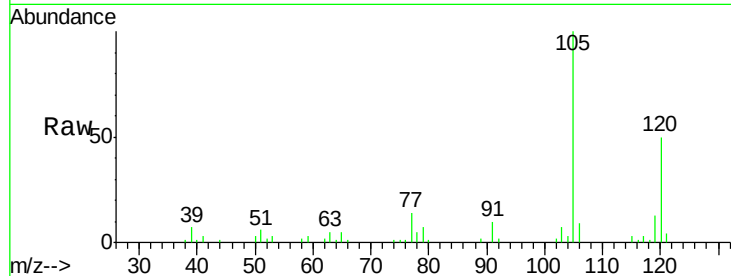
120 50.3 40.1 60.1

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 0.46 ppbv

RT: 18.85 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VL026175.D

Acq: 9 Oct 2015 12:57

Tgt Ion:105 Resp: 188078

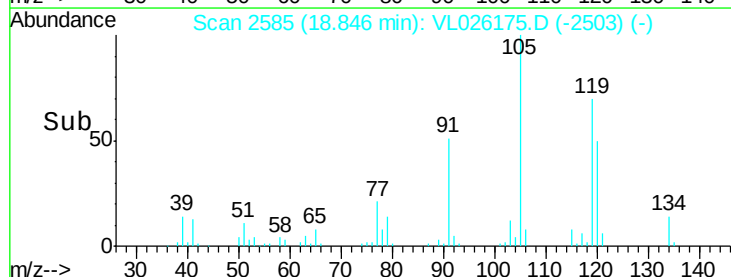
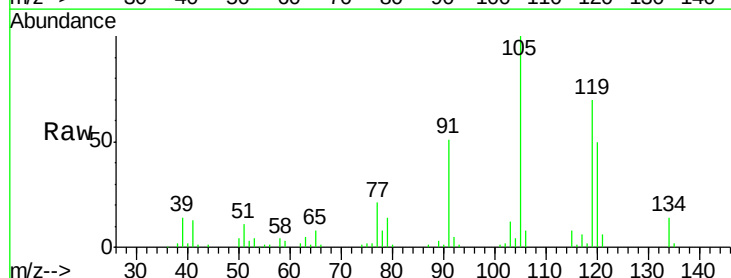
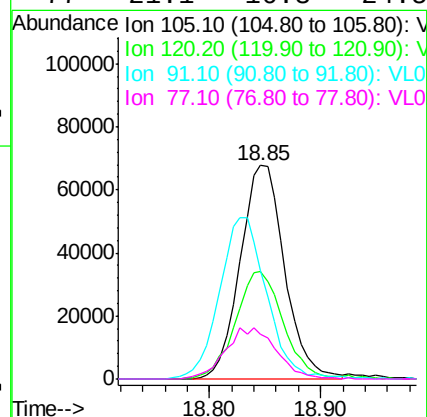
Ion Ratio Lower Upper

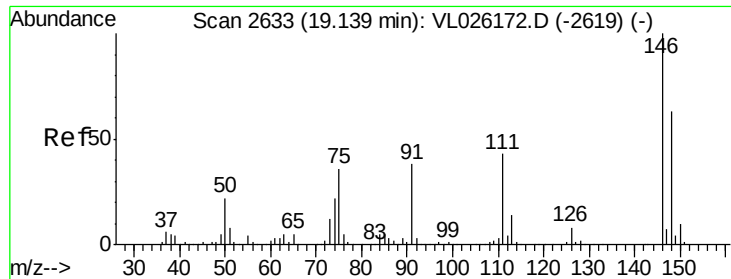
105 100

120 49.7 41.1 61.7

91 49.7 39.8 59.6

77 21.1 16.3 24.5





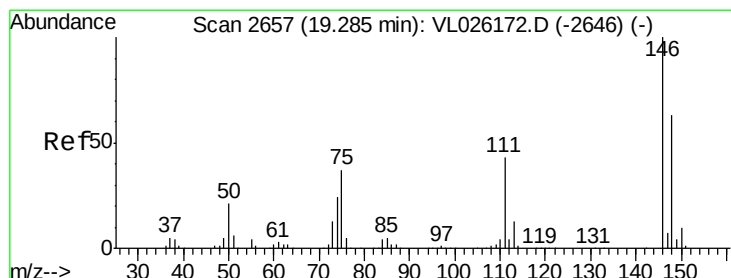
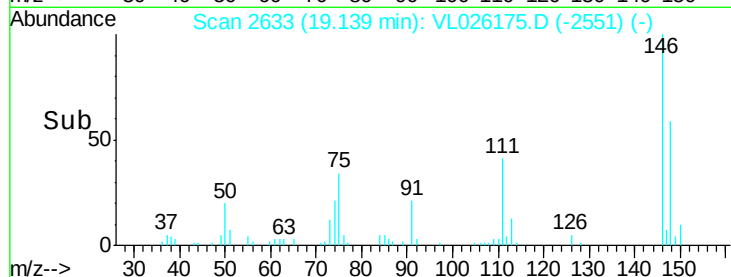
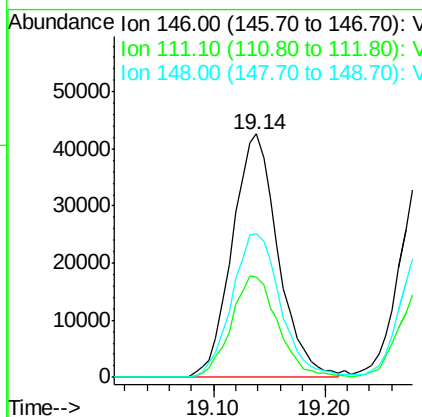
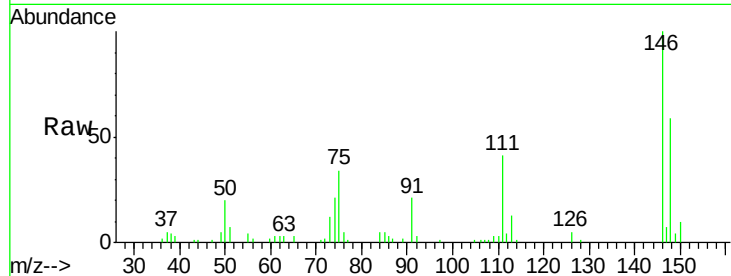
#75
 1,3-Dichlorobenzene
 Concen: 0.48 ppbv
 RT: 19.14 min Scan# 2633
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.1	66.3
148	62.7	31.9	95.5

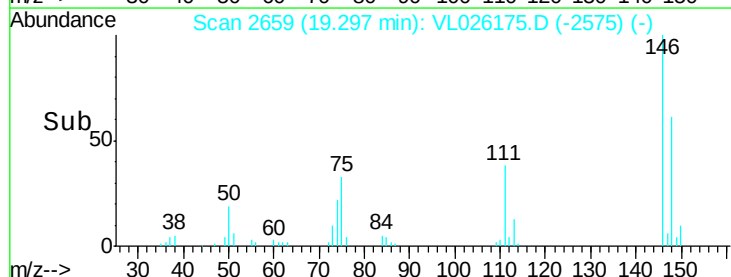
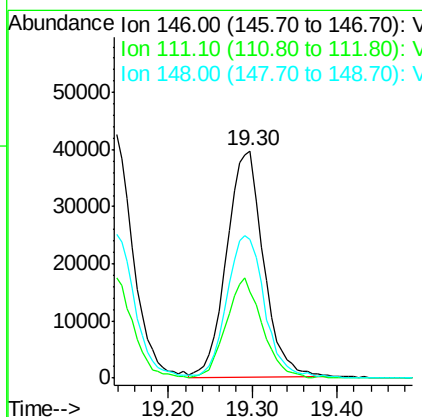
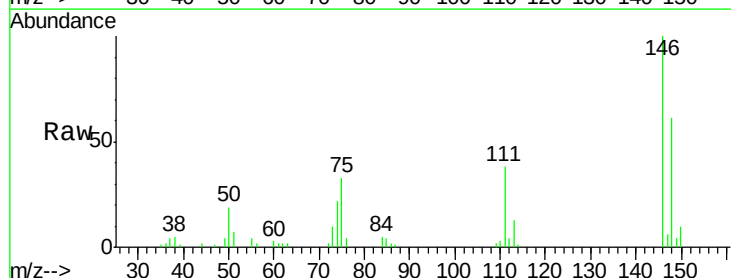
Manual Integrations
 APPROVED

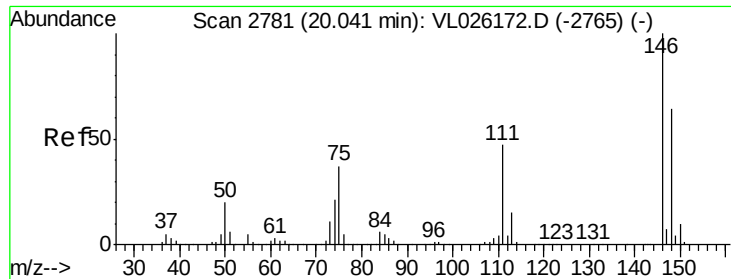
MMdadoda
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#76
 1,4-Dichlorobenzene
 Concen: 0.44 ppbv
 RT: 19.30 min Scan# 2659
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	63.9
148	65.5	31.6	94.8





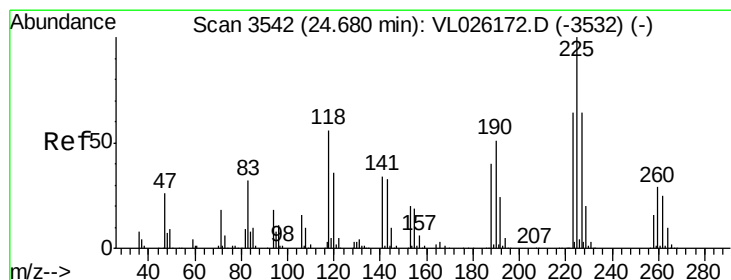
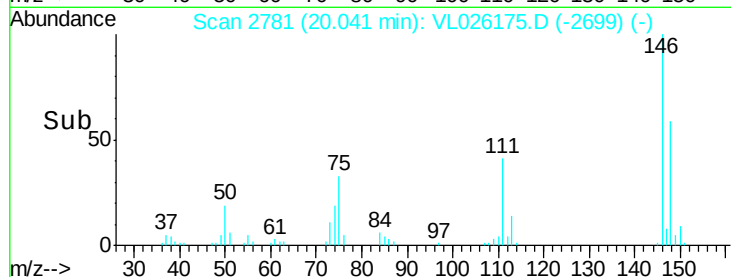
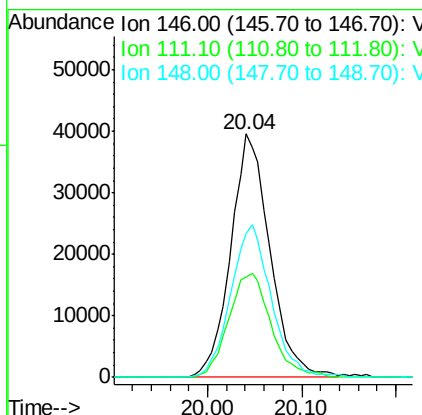
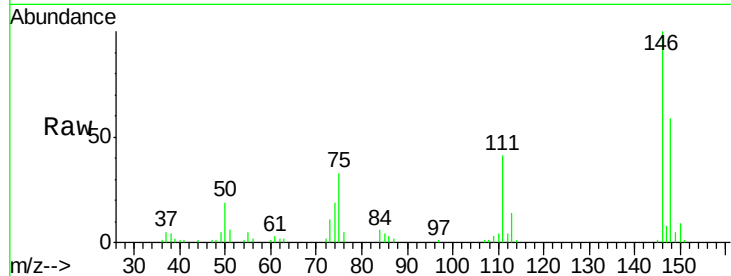
#77
 1,2-Dichlorobenzene
 Concen: 0.45 ppbv
 RT: 20.04 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114818		
111	46.0	23.0	69.0	
148	64.7	31.8	95.3	

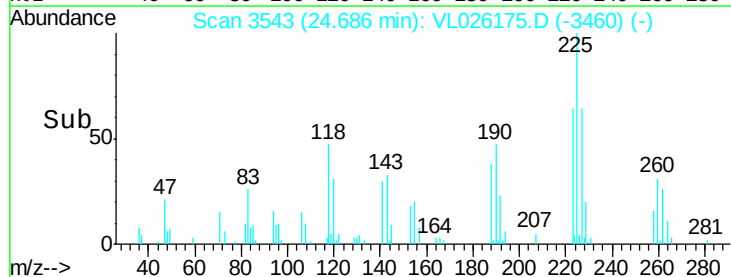
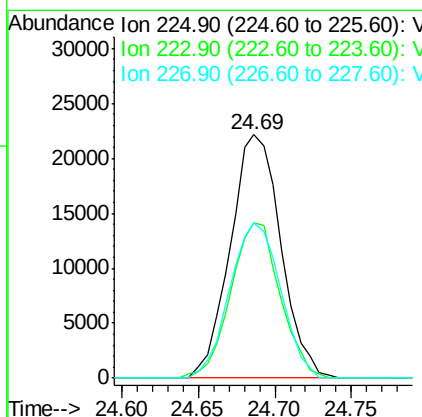
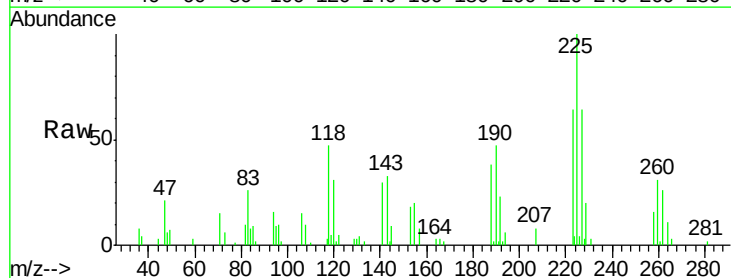
Manual Integrations
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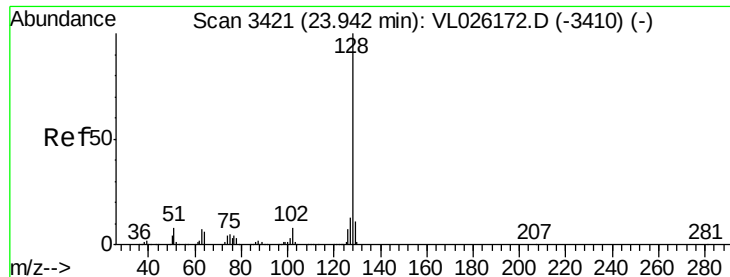
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.50 ppbv
 RT: 24.69 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51046		
223	62.2	51.1	76.7	
227	63.7	50.8	76.2	





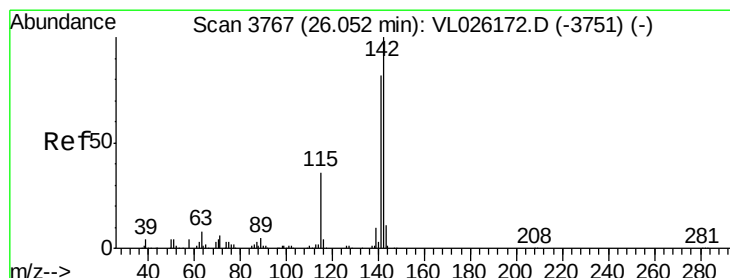
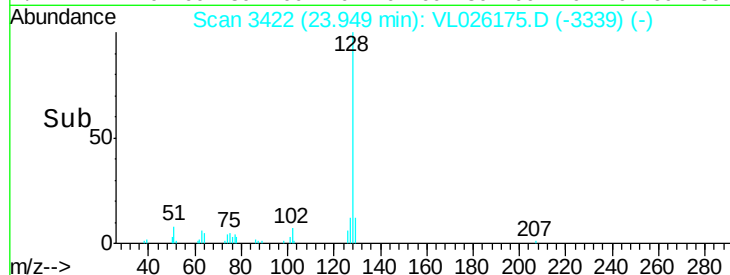
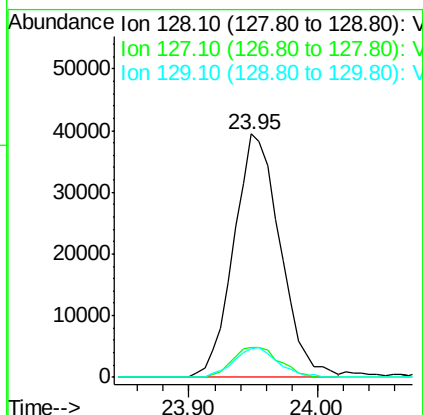
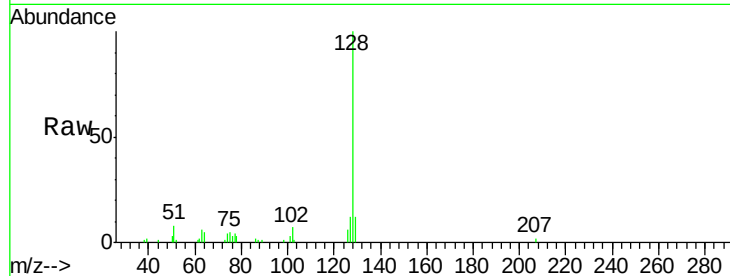
#79
Naphthalene
Concen: 0.31 ppbv
RT: 23.95 min Scan# 3422
Delta R.T. 0.01 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.2
129	11.7	8.7	13.1

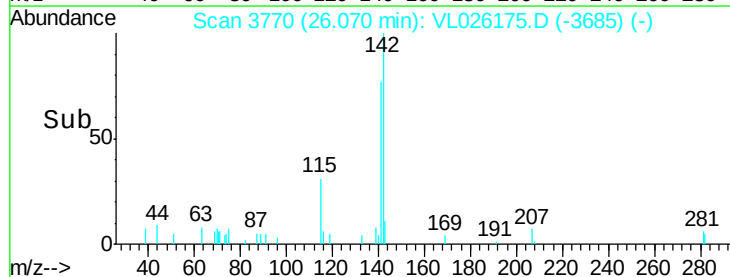
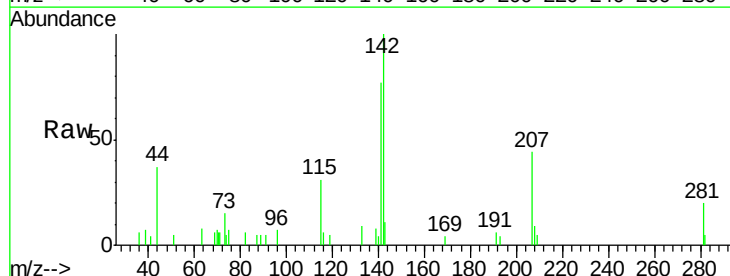
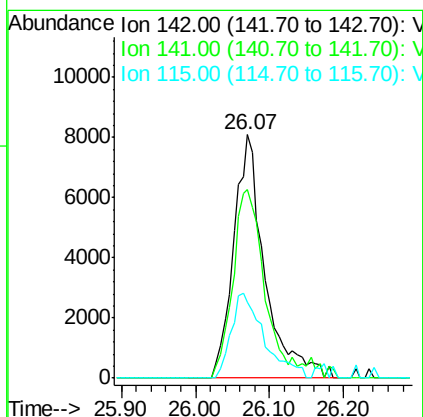
Manual Integrations
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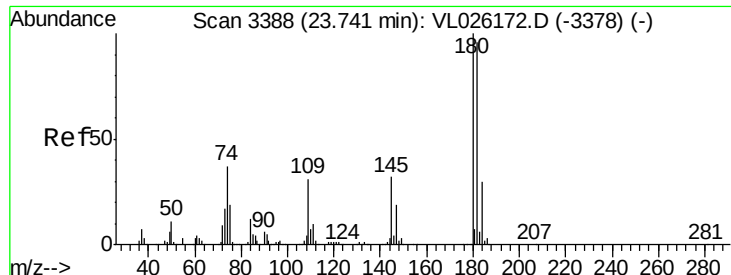
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#80
Naphthalene, 2-methyl-
Concen: 0.32 ppbv
RT: 26.07 min Scan# 3770
Delta R.T. 0.02 min
Lab File: VL026175.D
Acq: 9 Oct 2015 12:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.6	66.6	99.8
115	36.9	28.4	42.6





#81
 1,2,4-Trichlorobenzene
 Concen: 0.35 ppbv
 RT: 23.75 min Scan# 3390
 Delta R.T. 0.01 min
 Lab File: VL026175.D
 Acq: 9 Oct 2015 12:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	28.6	24.0	36.0

Manual Integrations
 APPROVED

MMdadoda
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