

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026174.D
 Acq On : 9 Oct 2015 12:19
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

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 10/12/2015 1:25:26 PM

Quant Time: Oct 09 14:28:59 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:28:59 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	929285	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	2510991	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.76	117	2928031	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	2251995	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.65	85	188773	1.42	ppbv	97
3) Chlorodifluoromethane	3.57	51	114974	1.08	ppbv	99
4) Chloromethane	3.76	50	62455	0.99	ppbv	99
5) Vinyl Chloride	3.89	62	61773	0.92	ppbv	98
6) Bromomethane	4.15	94	44559	1.05	ppbv	98
7) Chloroethane	4.25	64	27379	1.04	ppbv	98
8) Dichlorotetrafluoroethane	3.81	85	158997	1.10	ppbv	98
9) Propene	3.60	41	50514	0.93	ppbv	97
10) Heptane	9.37	43	179540	0.96	ppbv	100
11) Trichlorofluoromethane	4.70	101	174124	1.14	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	5.31	101	117375	1.11	ppbv	99
13) Ethanol	4.36	45	8548m	1.30	ppbv	
14) Bromoethene	4.46	108	48572	1.08	ppbv	97
15) Acetone	4.62	43	129038	1.12	ppbv #	85
16) 1,3-Butadiene	3.98	39	57473	1.00	ppbv	95
17) tert-Butyl alcohol	5.16	59	71887	0.96	ppbv	98
18) 1,1-Dichloroethene	5.09	96	52916	1.07	ppbv	97
19) Isopropyl Alcohol	4.78	45	50895	1.05	ppbv #	1
20) Methylene Chloride	5.16	84	51737	1.05	ppbv	98
21) Allyl Chloride	5.23	41	74181	0.93	ppbv #	81
22) trans-1,2-Dichloroethene	5.78	96	68705	1.04	ppbv	92
23) Vinyl Acetate	5.99	43	210724	0.96	ppbv	99
24) 1,1-Dichloroethane	5.92	63	150368	1.02	ppbv	99
25) Ethyl Acetate	6.69	43	237017	0.97	ppbv	99
26) Hexane	6.67	57	117719	1.00	ppbv	99
27) Carbon Disulfide	5.40	76	127850	1.02	ppbv #	94
28) Methyl tert-Butyl Ether	5.98	73	181565	1.02	ppbv	100
29) Chloroform	6.75	83	171948	1.05	ppbv	95
30) Cyclohexane	8.29	84	107623	0.96	ppbv #	79
31) cis-1,2-Dichloroethene	6.53	61	101788	0.95	ppbv	98
32) 1,1,1-Trichloroethane	7.60	97	157260	0.96	ppbv	98
34) 2-Butanone	6.22	43	143821	0.89	ppbv	99
35) Carbon Tetrachloride	8.17	117	162847	0.97	ppbv	97
36) Benzene	8.03	78	249310	0.94	ppbv	98
37) 1,2-Dichloroethane	7.38	62	132105	1.00	ppbv	100
38) Trichloroethene	9.07	130	108319	0.93	ppbv	93
39) 1,2-Dichloropropane	8.83	63	91268	0.92	ppbv	98
40) 1,4-Dioxane	9.18	88	14267	0.98	ppbv #	1
41) Tetrahydrofuran	7.16	42	79225	0.84	ppbv	97
42) Bromodichloromethane	9.03	83	170799	0.98	ppbv	99
43) Methyl Methacrylate	9.28	69	83685	0.89	ppbv	99

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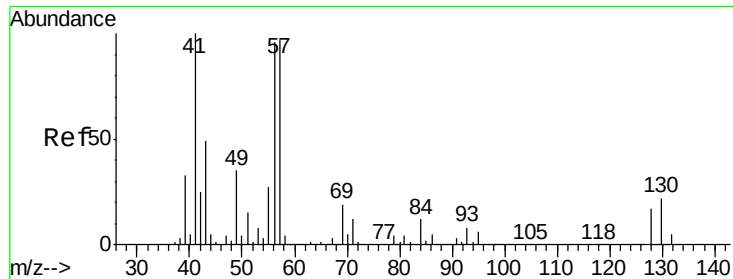
Manual Integrations
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Quant Time: Oct 09 14:28:59 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 09 14:28:59 2015
 QLast Update : Fri Oct 09 14:20:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.10	57	435054	0.97	ppbv	99
45) t-1,3-Dichloropropene	10.66	75	106457	0.86	ppbv	100
46) cis-1,3-Dichloropropene	10.03	75	136920	0.89	ppbv	95
47) 1,1,2-Trichloroethane	10.89	97	109575	0.97	ppbv	98
48) Dibromochloromethane	11.81	129	150205	0.98	ppbv	100
49) Bromoform	14.82	173	105665	0.93	ppbv	99
50) 4-Methyl-2-Pentanone	10.12	43	186578	0.86	ppbv	99
51) 2-Hexanone	11.65	43	161772	0.82	ppbv #	96
52) Tetrachloroethene	12.80	164	112683	0.93	ppbv	96
53) Toluene	11.25	91	320129	0.95	ppbv	99
54) 1,2-Dibromoethane	12.15	107	165117	0.98	ppbv	96
56) 1,1,1,2-Tetrachloroethane	13.79	131	121430	1.00	ppbv #	1
57) Chlorobenzene	13.82	112	291143	1.01	ppbv	97
58) Ethyl Benzene	14.43	91	450477	0.93	ppbv	97
59) m/p-Xylene	14.72	91	740046m	1.94	ppbv	
60) o-Xylene	15.51	91	389940	0.98	ppbv	100
61) Styrene	15.32	104	142714	0.84	ppbv	99
62) Isopropylbenzene	16.56	105	505166	0.97	ppbv	98
63) 1,1,2,2-Tetrachloroethane	15.49	83	274879	0.90	ppbv	100
64) n-propylbenzene	17.54	120	133457	0.96	ppbv	91
65) tert-Butylbenzene	18.83	119	455874	1.00	ppbv	100
66) Benzyl Chloride	19.11	91	104687	0.84	ppbv	96
67) sec-Butylbenzene	19.43	105	620677	0.96	ppbv	98
69) p-Isopropyltoluene	19.80	119	490555	0.94	ppbv	100
70) n-Butylbenzene	20.77	91	474122	0.91	ppbv	97
71) 2-Chlorotoluene	17.44	91	361071	0.91	ppbv	98
72) 4-Ethyltoluene	17.83	105	397829	0.92	ppbv	99
73) 1,3,5-Trimethylbenzene	18.00	105	376968	0.94	ppbv	99
74) 1,2,4-Trimethylbenzene	18.85	105	415154	0.98	ppbv	92
75) 1,3-Dichlorobenzene	19.13	146	252982	0.97	ppbv	99
76) 1,4-Dichlorobenzene	19.28	146	256149	0.95	ppbv	100
77) 1,2-Dichlorobenzene	20.04	146	248477	0.95	ppbv	100
78) Hexachloro-1,3-Butadiene	24.69	225	104772	1.00	ppbv	99
79) Naphthalene	23.95	128	240698	0.73	ppbv	98
80) Naphthalene, 2-methyl-	26.06	142	52062	0.68	ppbv	95
81) 1,2,4-Trichlorobenzene	23.75	180	122201	0.77	ppbv	99

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



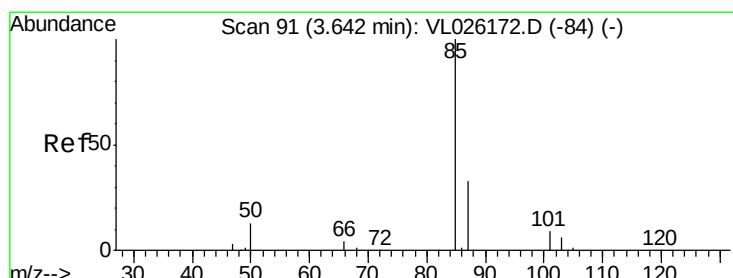
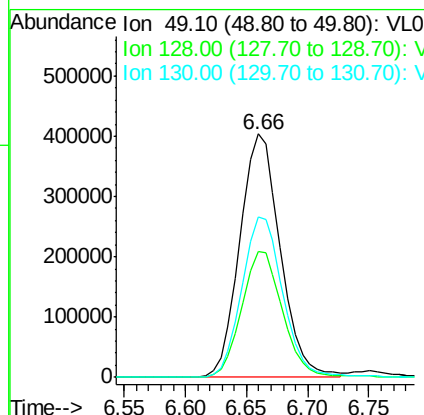
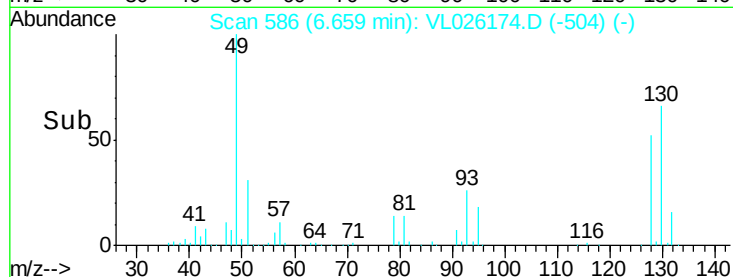
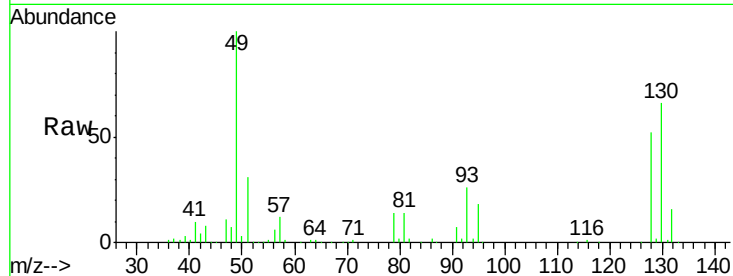
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.66 min Scan# 586
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
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 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
128	53.0	26.3	78.8
130	67.7	34.2	102.5

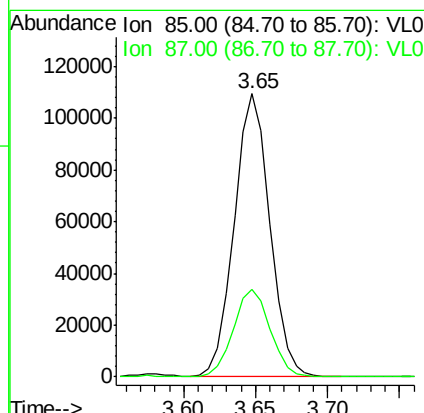
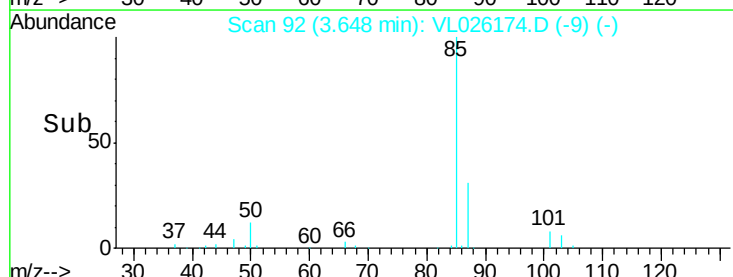
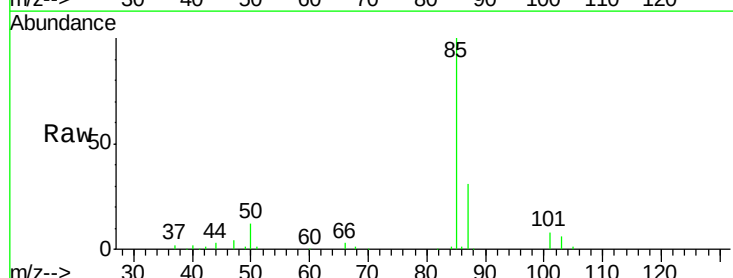
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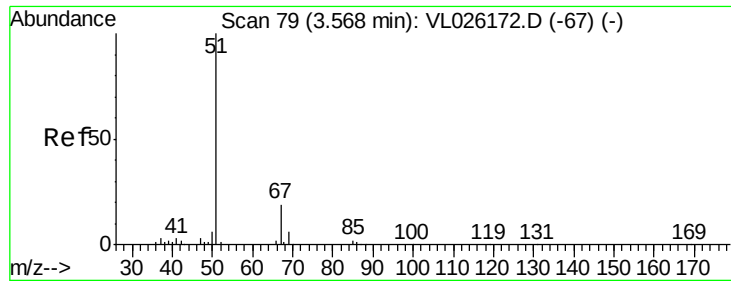
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#2
 Dichlorodifluoromethane
 Concen: 1.42 ppbv
 RT: 3.65 min Scan# 92
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.9	26.2	39.4





#3

Chlorodifluoromethane

Concen: 1.08 ppbv

RT: 3.57 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 114974

Ion Ratio Lower Upper

51 100

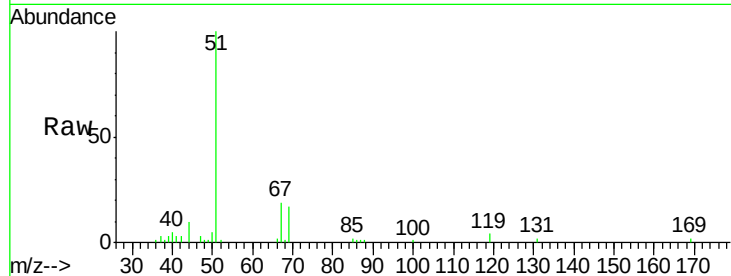
67 18.1 14.9 22.3

Manual Integrations

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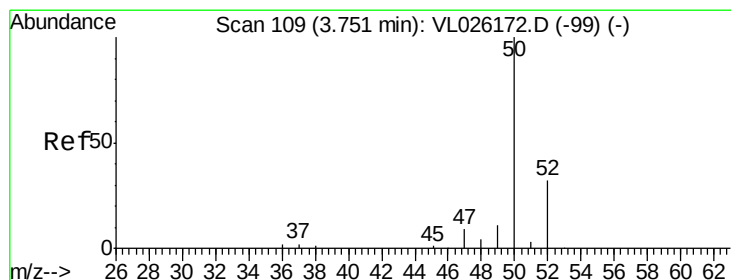
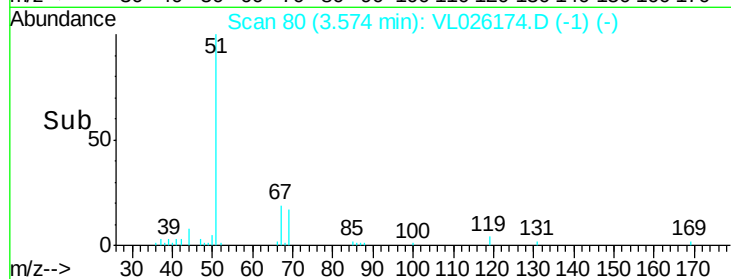
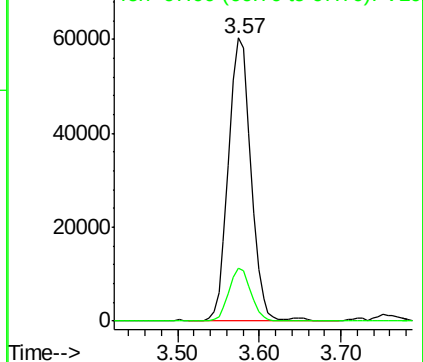
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.99 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL026174.D

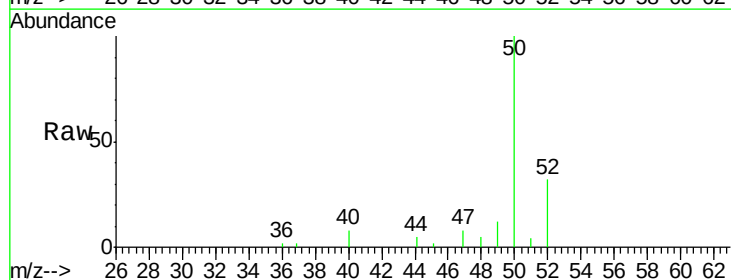
Acq: 9 Oct 2015 12:19

Tgt Ion: 50 Resp: 62455

Ion Ratio Lower Upper

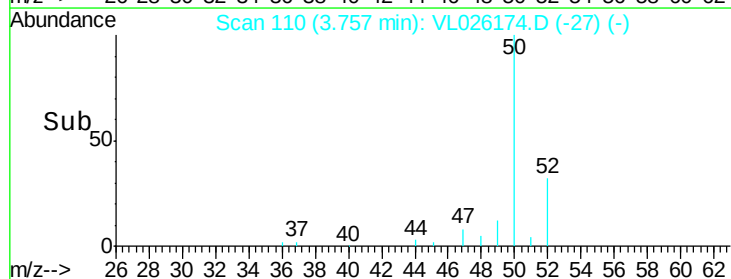
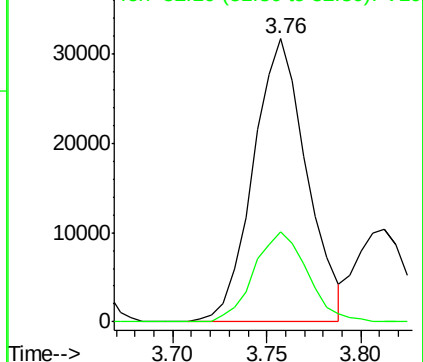
50 100

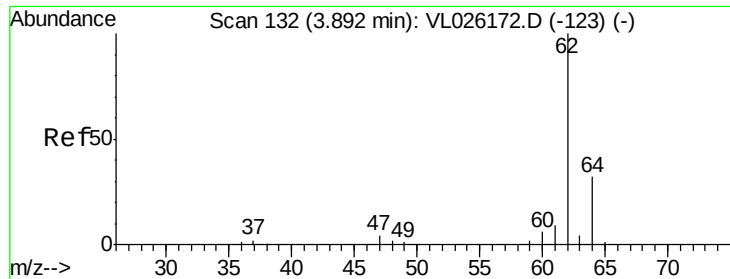
52 31.9 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.92 ppbv

RT: 3.89 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 61773

Ion Ratio Lower Upper

62 100

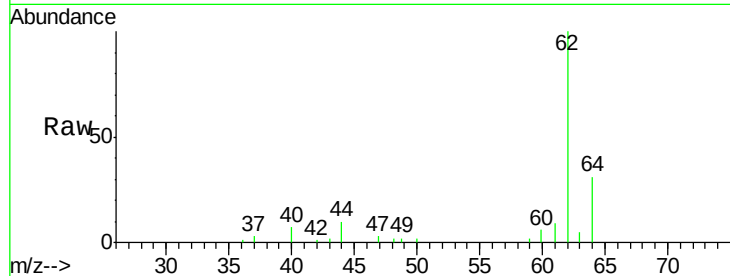
64 30.9 25.6 38.4

Manual Integrations

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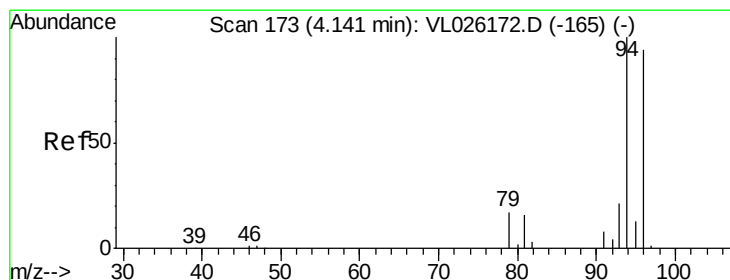
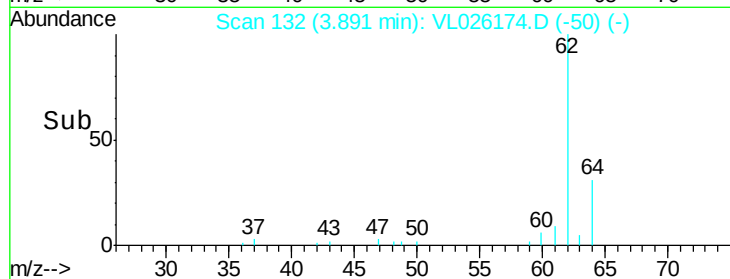
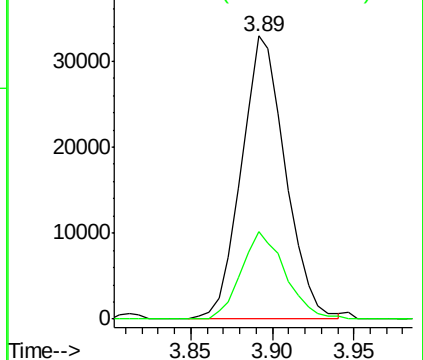
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.05 ppbv

RT: 4.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VL026174.D

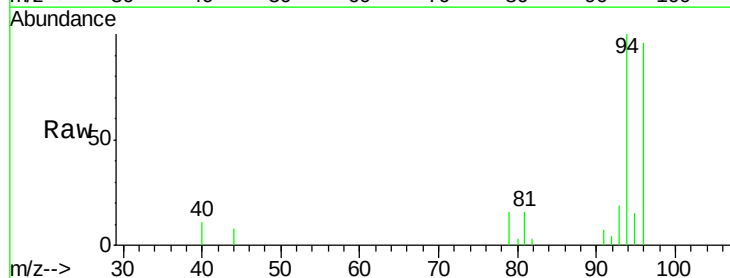
Acq: 9 Oct 2015 12:19

Tgt Ion: 94 Resp: 44559

Ion Ratio Lower Upper

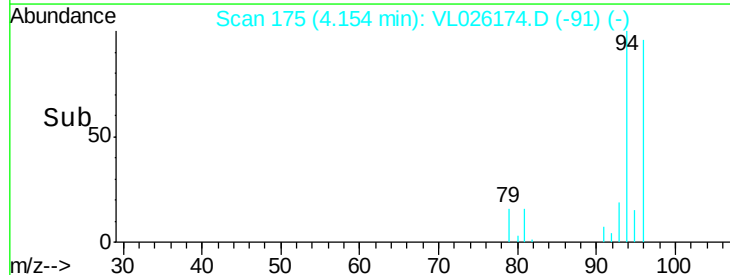
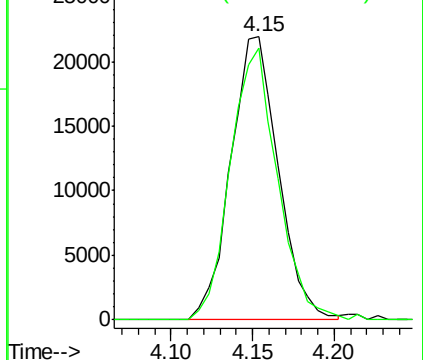
94 100

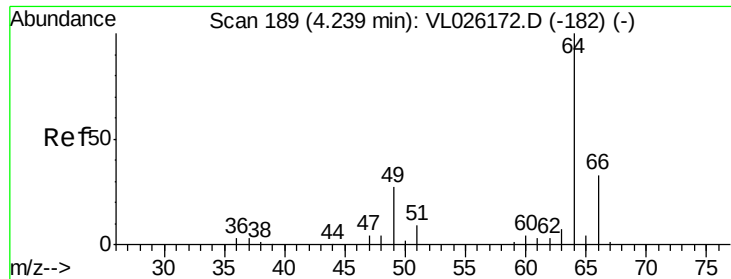
96 96.0 75.4 113.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.04 ppbv

RT: 4.25 min Scan# 190

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 27379

Ion Ratio Lower Upper

64 100

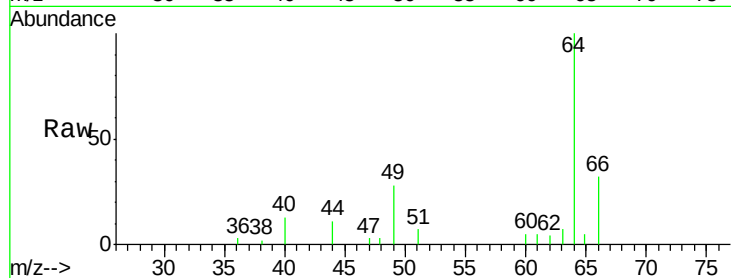
66 32.2 26.5 39.7

Manual Integrations

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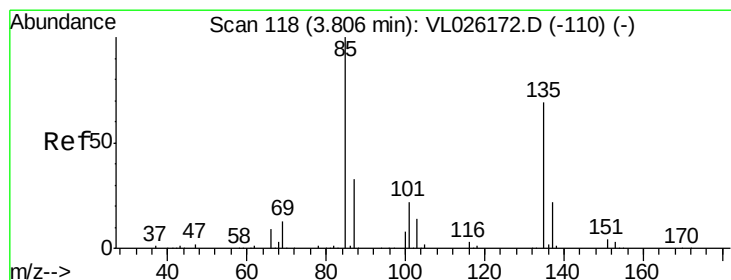
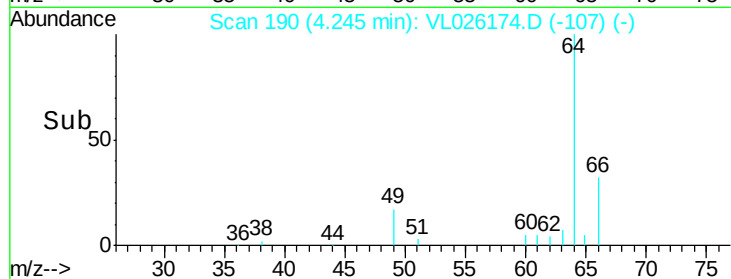
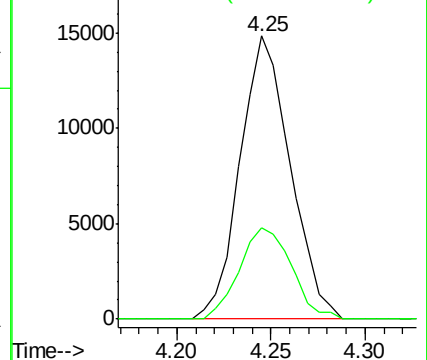
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.10 ppbv

RT: 3.81 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL026174.D

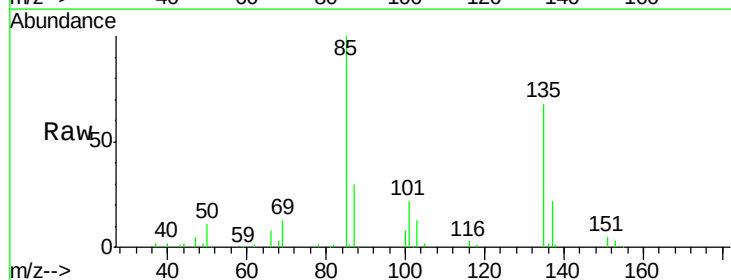
Acq: 9 Oct 2015 12:19

Tgt Ion: 85 Resp: 158997

Ion Ratio Lower Upper

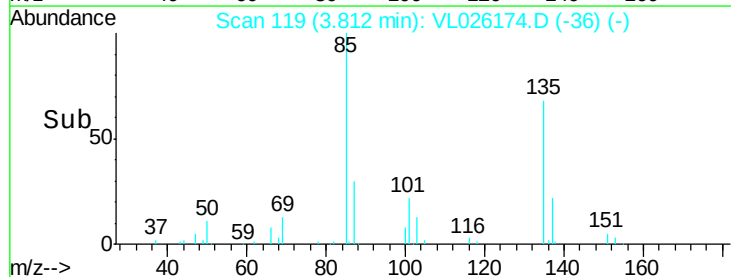
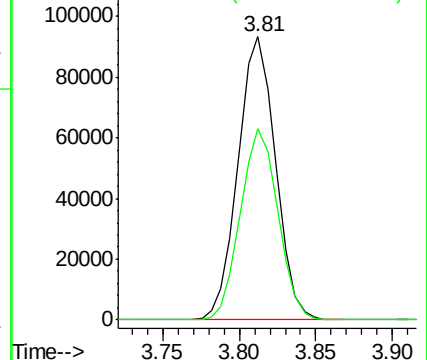
85 100

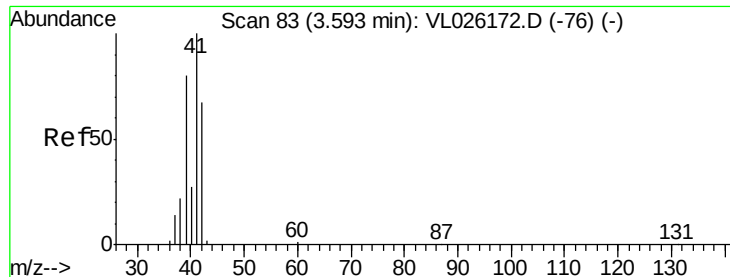
135 67.6 55.3 82.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.93 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 50514

Ion Ratio Lower Upper

41 100

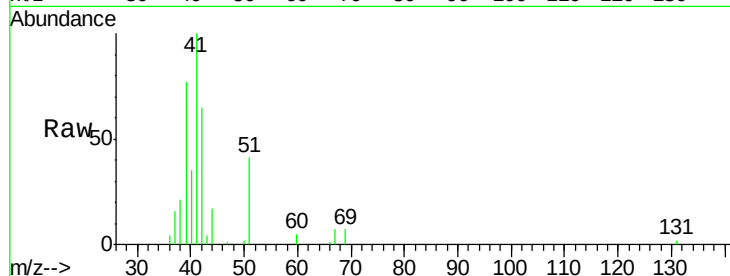
42 69.3 53.6 80.4

Manual Integrations

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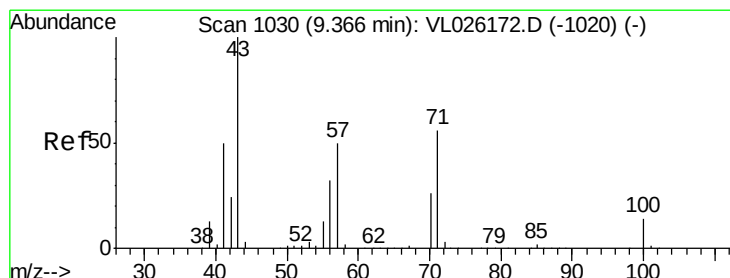
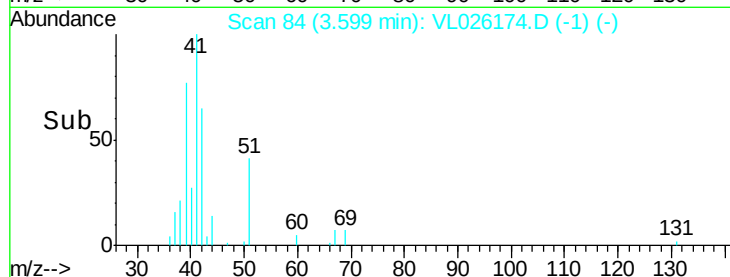
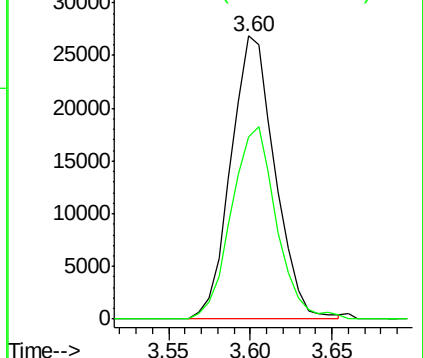
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.96 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VL026174.D

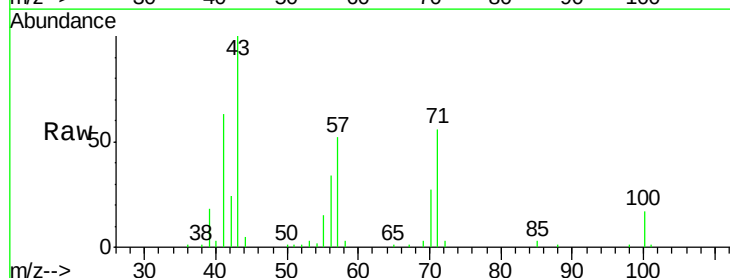
Acq: 9 Oct 2015 12:19

Tgt Ion: 43 Resp: 179540

Ion Ratio Lower Upper

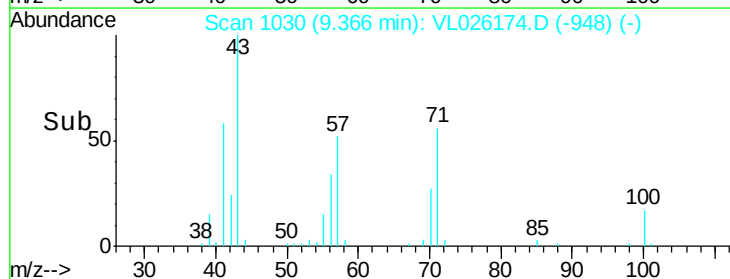
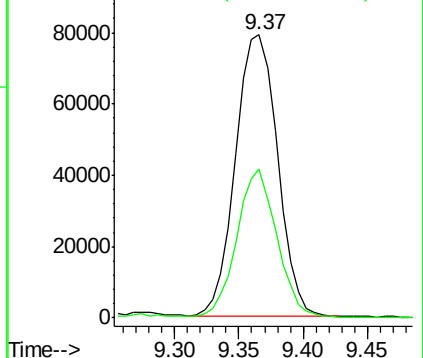
43 100

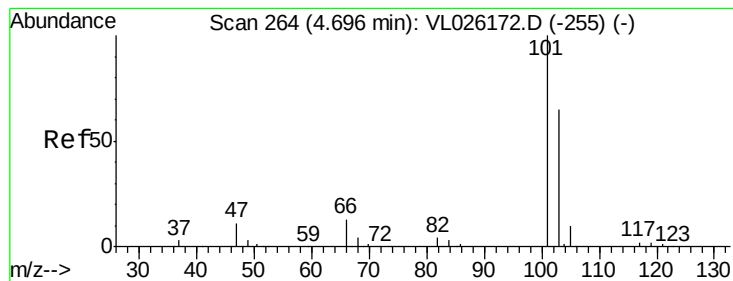
57 52.1 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 1.14 ppbv

RT: 4.70 min Scan# 265

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampled :

VSTDIC001

Tot Ion:101 Resp: 174124

Ion Ratio Lower Upper

101 100

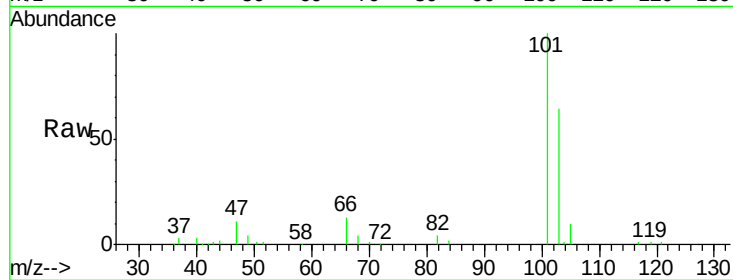
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Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.70

100000

80000

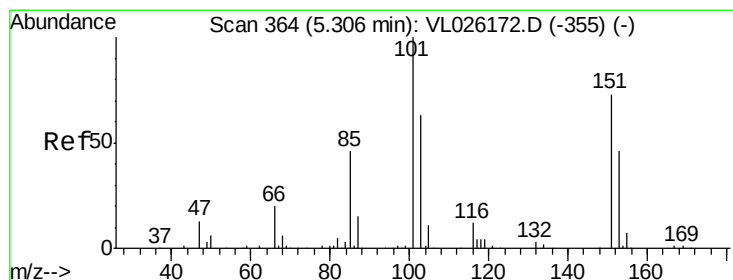
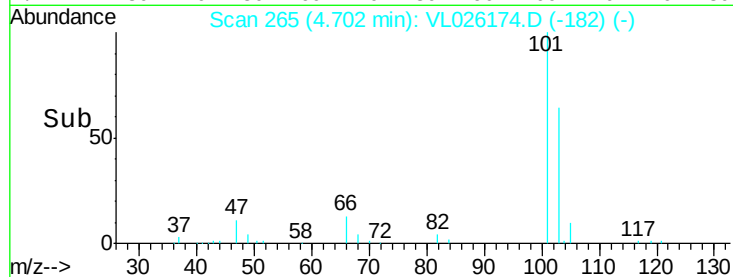
60000

40000

20000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.11 ppbv

RT: 5.31 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL026174.D

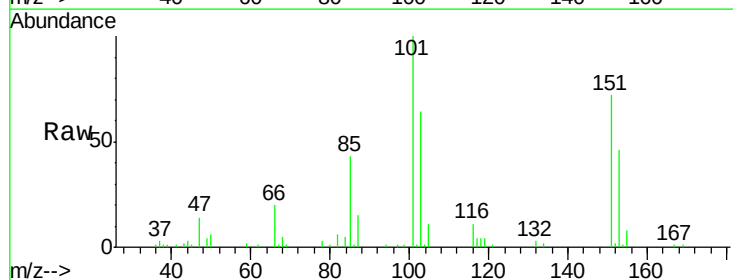
Acq: 9 Oct 2015 12:19

Tgt Ion:101 Resp: 117375

Ion Ratio Lower Upper

101 100

151 74.3 59.0 88.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

5.31

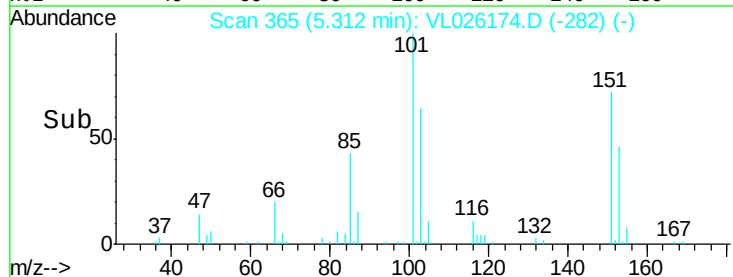
60000

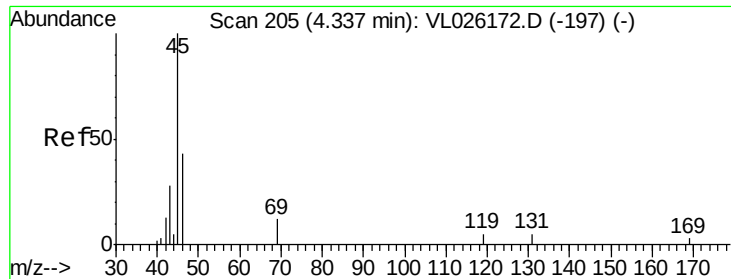
40000

20000

0

Time-->





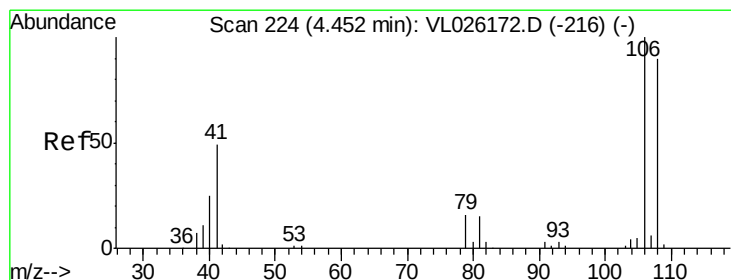
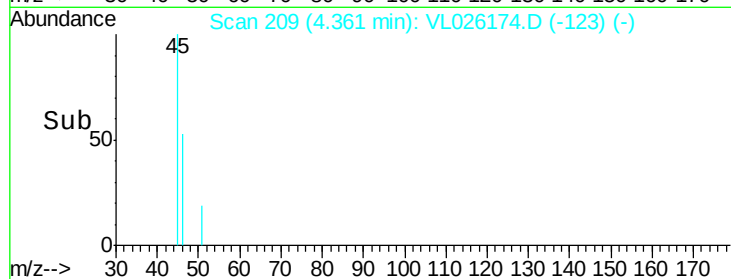
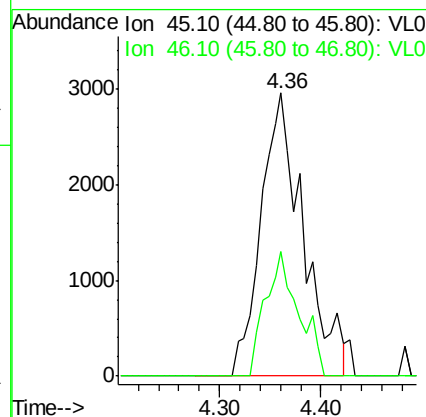
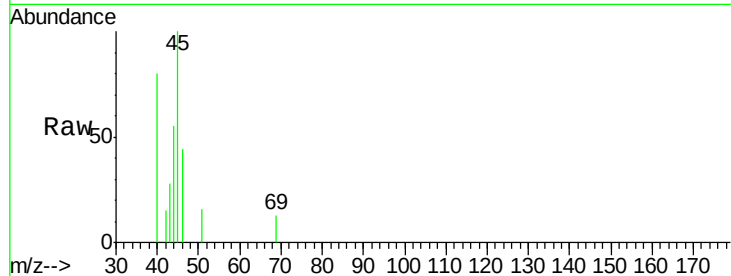
#13
Ethanol
Concen: 1.30 ppbv m
RT: 4.36 min Scan# 209
Delta R.T. 0.02 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 8548
Ion Ratio Lower Upper
45 100
46 34.9 18.1 72.5

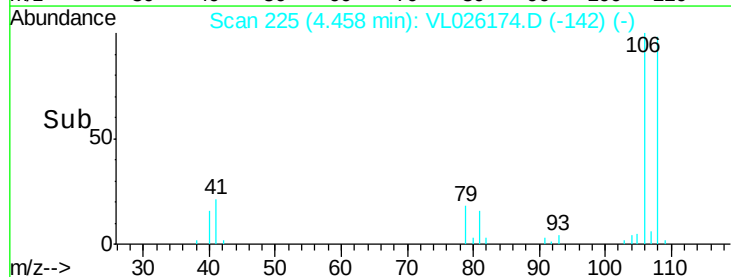
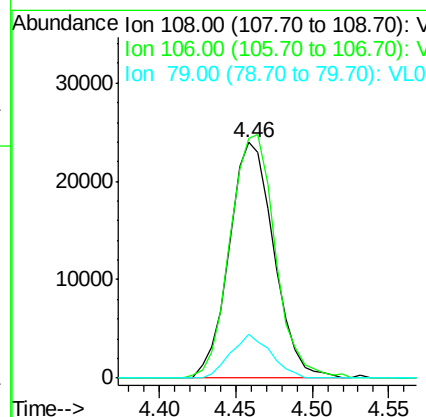
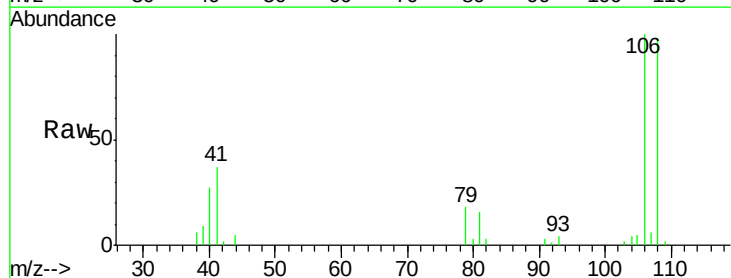
Manual Integrations
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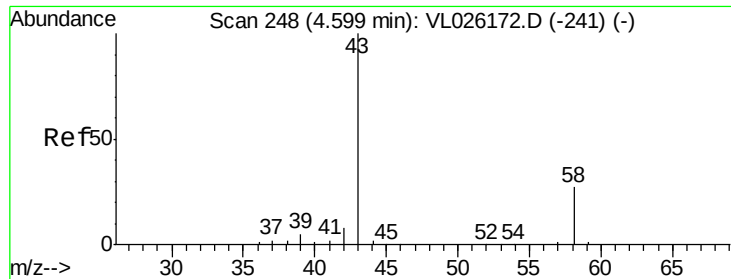
MMdadoda
10/12/2015 1:25:26 PM



#14
Bromoethene
Concen: 1.08 ppbv
RT: 4.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion: 108 Resp: 48572
Ion Ratio Lower Upper
108 100
106 104.4 85.9 128.9
79 16.5 14.0 21.0





#15

Acetone

Concen: 1.12 ppbv

RT: 4.62 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 129038

Ion Ratio Lower Upper

43 100

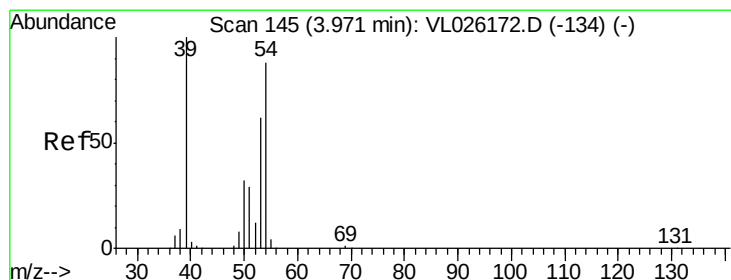
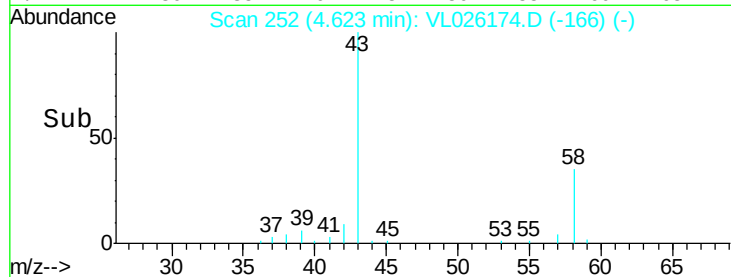
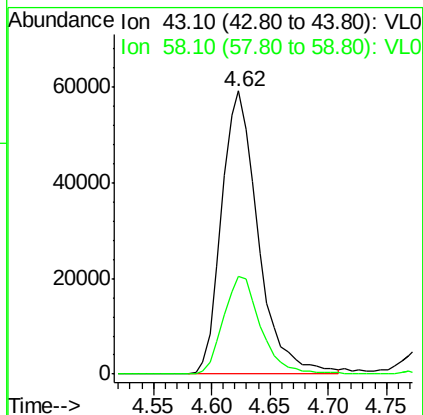
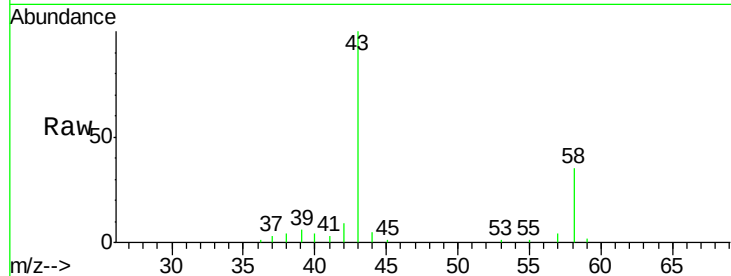
58 35.1 22.0 33.0#

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#16

1,3-Butadiene

Concen: 1.00 ppbv

RT: 3.98 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL026174.D

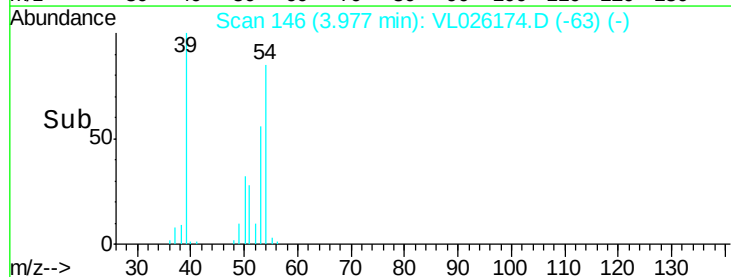
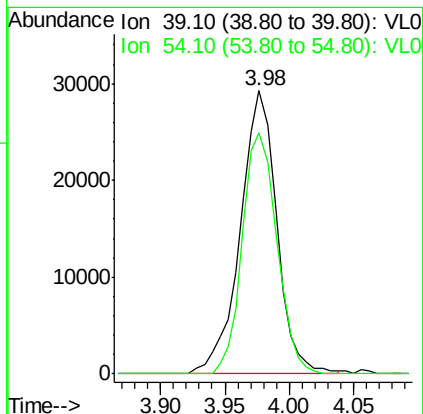
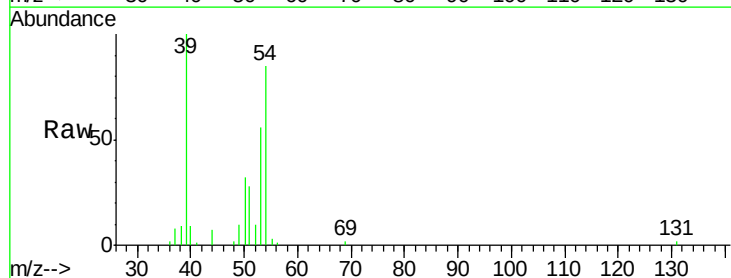
Acq: 9 Oct 2015 12:19

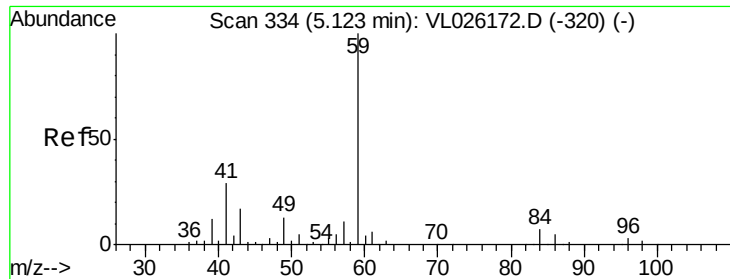
Tgt Ion: 39 Resp: 57473

Ion Ratio Lower Upper

39 100

54 80.5 67.9 101.9





#17

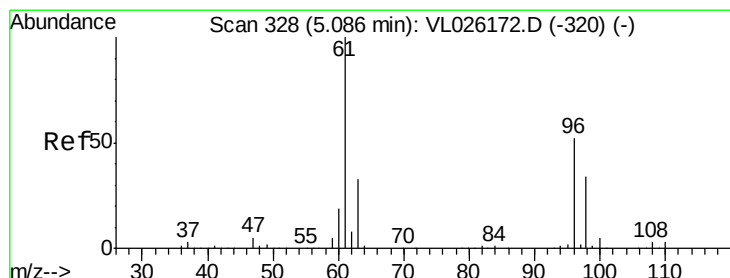
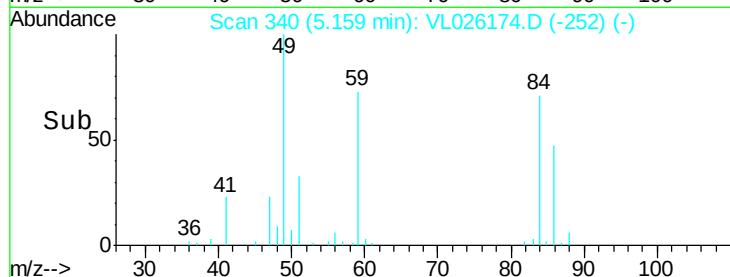
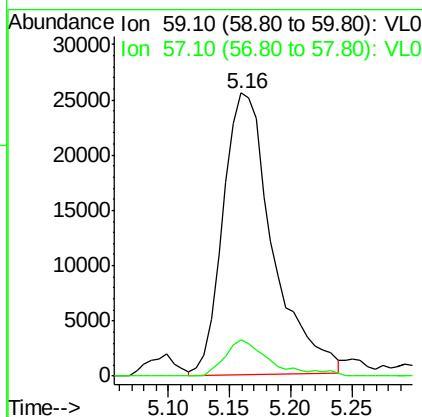
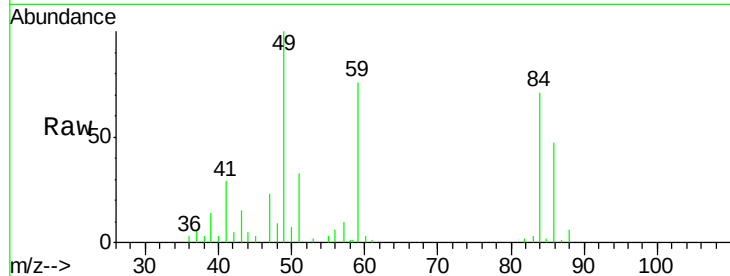
tert-Butyl alcohol
Concen: 0.96 ppbv
RT: 5.16 min Scan# 340
Delta R.T. 0.04 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.8	13.2

Manual Integrations
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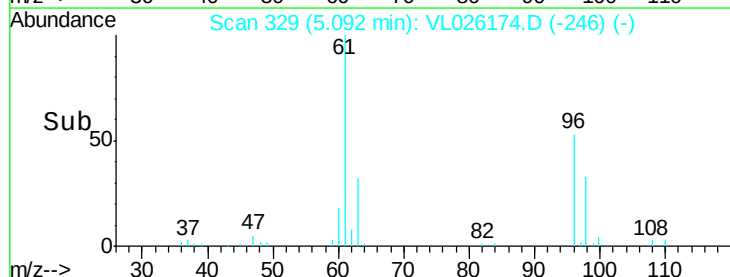
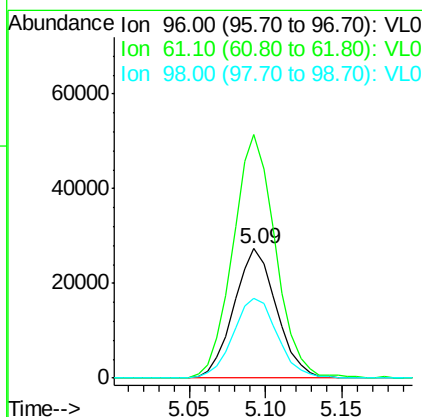
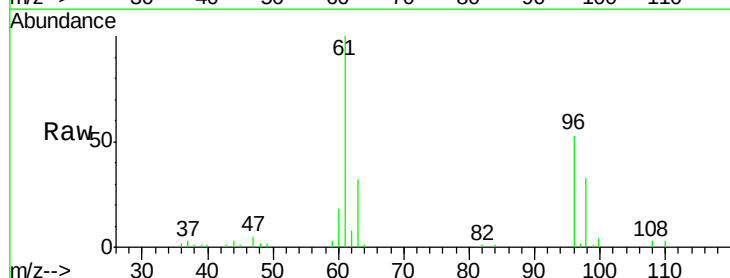
MMdadoda
10/12/2015 1:25:26 PM

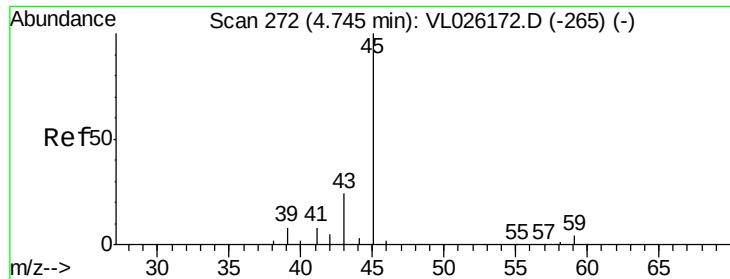


#18

1,1-Dichloroethene
Concen: 1.07 ppbv
RT: 5.09 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.4	153.2	229.8
98	61.4	52.1	78.1





#19

Isopropyl Alcohol

Concen: 1.05 ppbv

RT: 4.78 min Scan# 278

Delta R.T. 0.04 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 50895

Ion Ratio Lower Upper

45 100

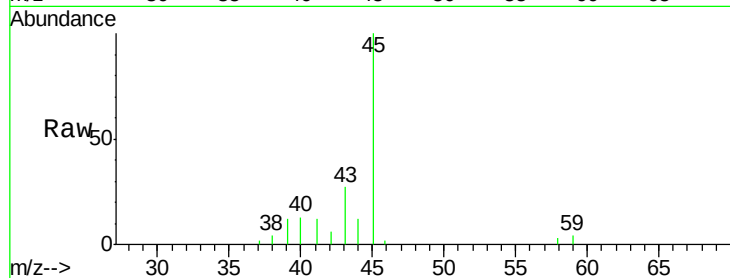
58 89.1 1.7 2.5#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.78

20000

15000

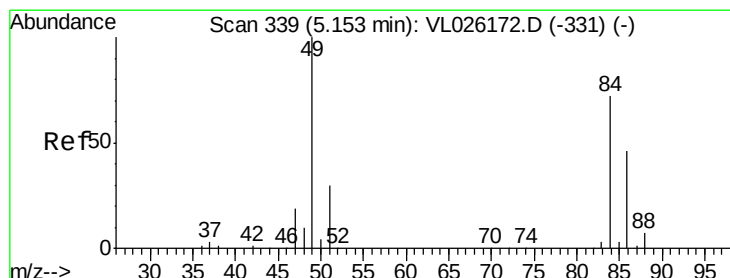
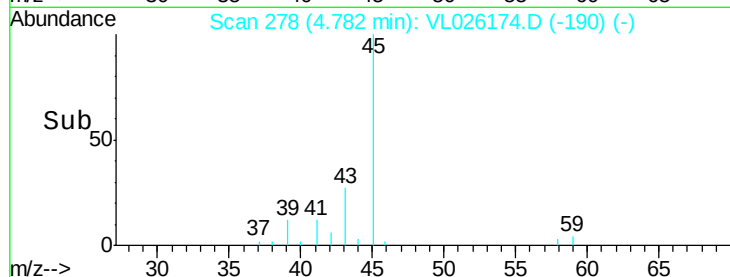
10000

5000

0

4.70 4.75 4.80 4.85 4.90

Time-->



#20

Methylene Chloride

Concen: 1.05 ppbv

RT: 5.16 min Scan# 340

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion: 84 Resp: 51737

Ion Ratio Lower Upper

84 100

49 138.3 111.3 166.9

51 46.5 33.0 49.6

86 65.4 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

50000

40000

30000

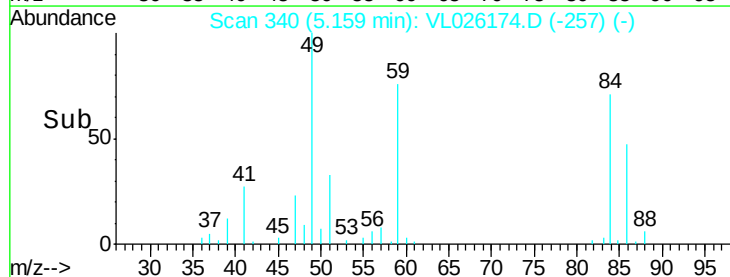
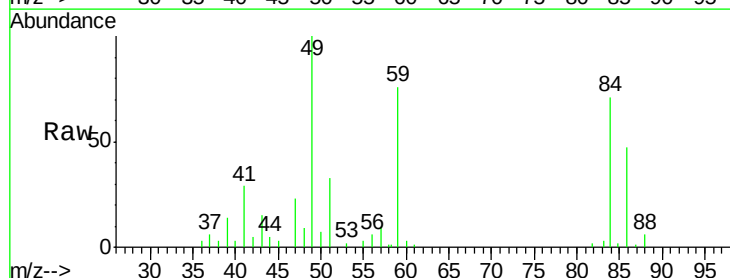
20000

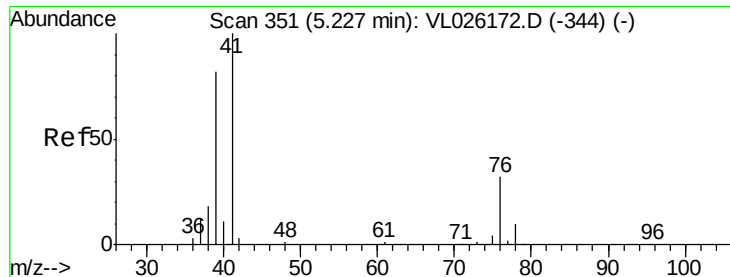
10000

0

5.10 5.15 5.20 5.25

Time-->





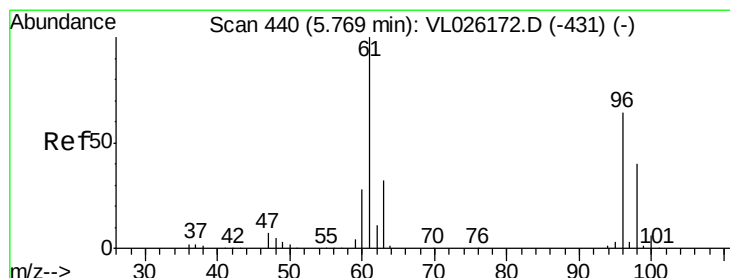
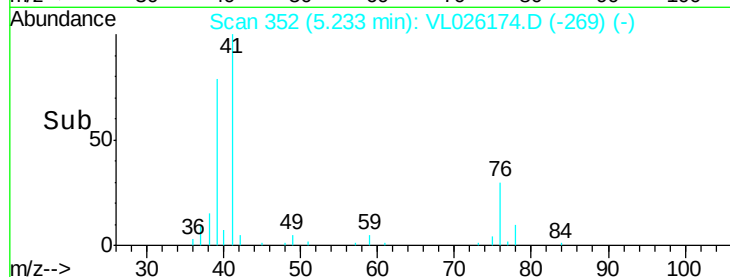
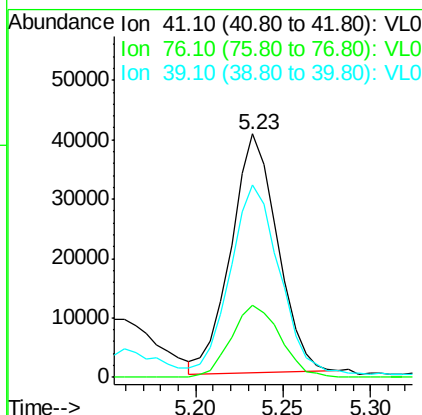
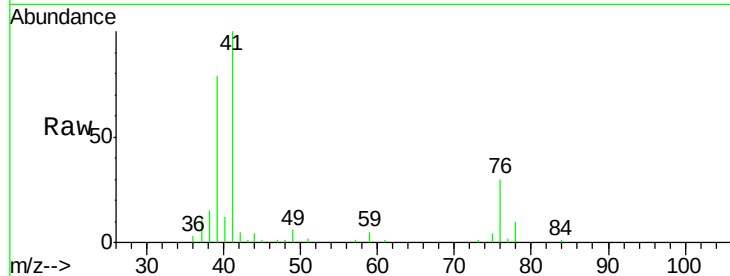
#21
Allvl Chloride
Concen: 0.93 ppbv
RT: 5.23 min Scan# 352
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	32.1	25.4	38.2
39	106.4	66.5	99.7#

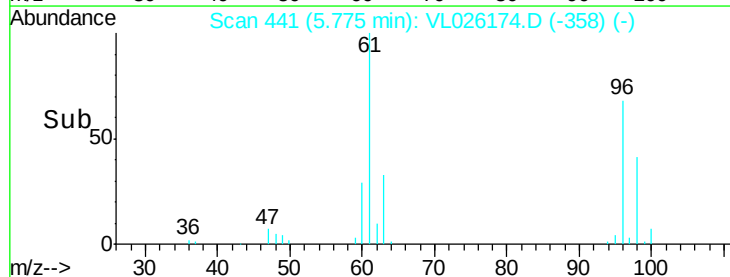
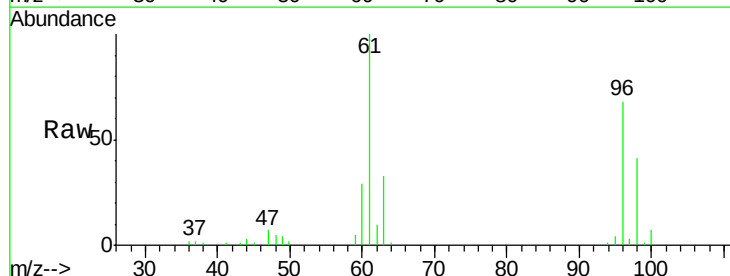
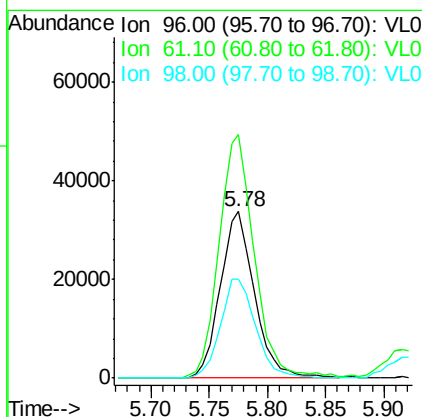
Manual Integrations
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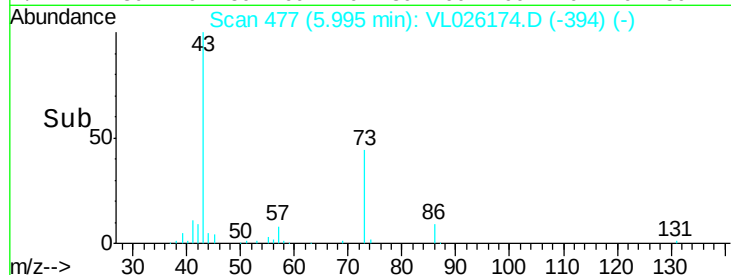
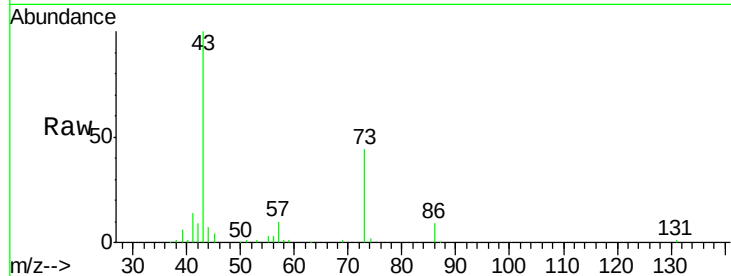
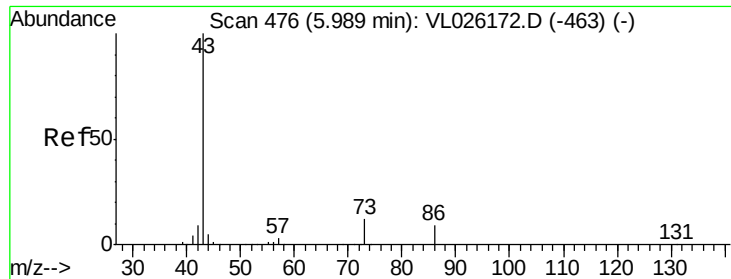
MMdadoda
10/12/2015 1:25:26 PM



#22
trans-1,2-Dichloroethene
Concen: 1.04 ppbv
RT: 5.78 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.0	125.8	188.6
98	59.4	50.6	75.8





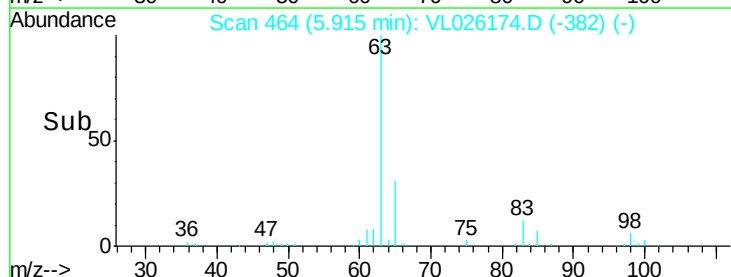
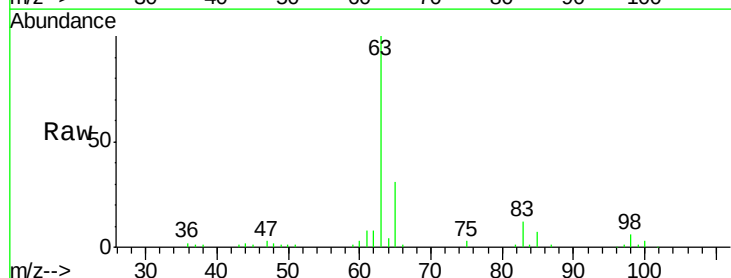
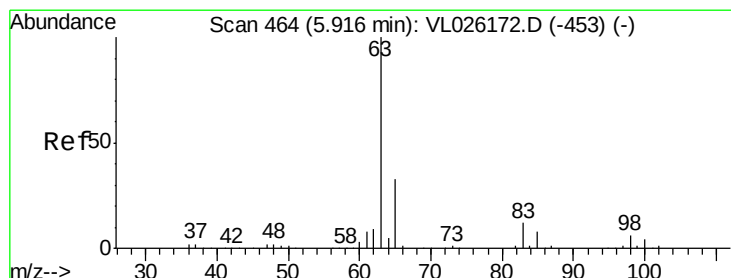
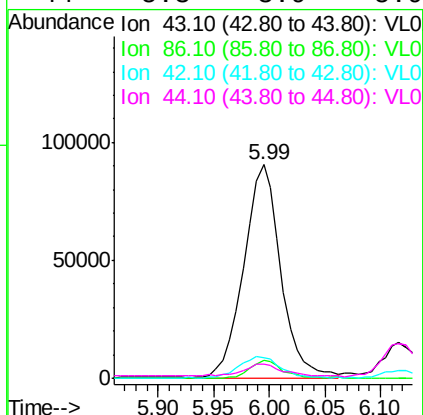
#23
 Vinyl Acetate
 Concen: 0.96 ppbv
 RT: 5.99 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tot Ion	43	Resp	210724
Ion Ratio	Lower	Upper	
43	100		
86	8.3	7.2	10.8
42	9.1	7.4	11.2
44	5.3	3.9	5.9

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

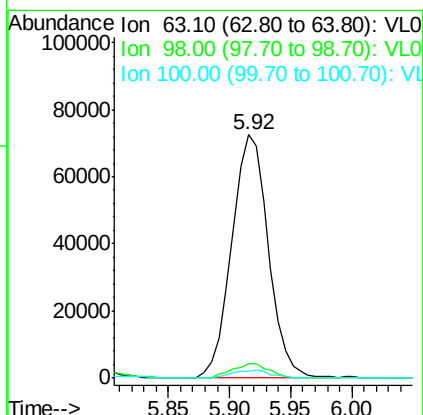
Manual Integrations
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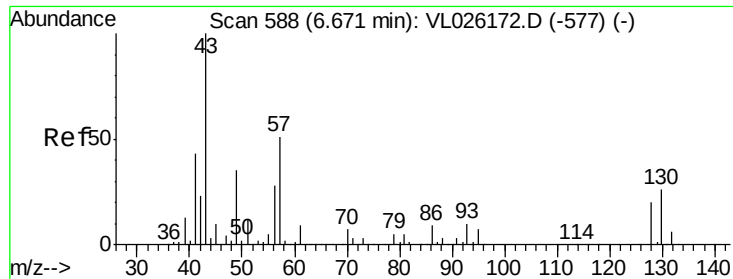
MMdadoda
 10/12/2015 1:25:26 PM



#24
 1,1-Dichloroethane
 Concen: 1.02 ppbv
 RT: 5.92 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	63	Resp	150368
Ion Ratio	Lower	Upper	
63	100		
98	5.8	2.9	8.7
100	2.6	1.8	5.5





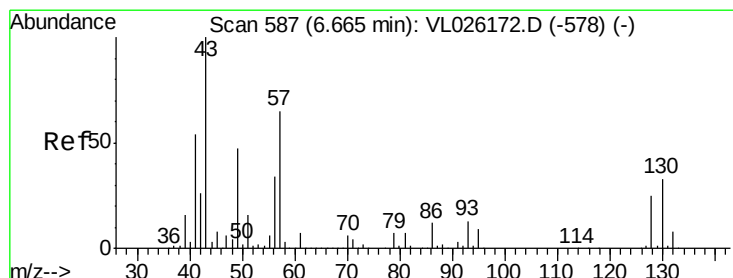
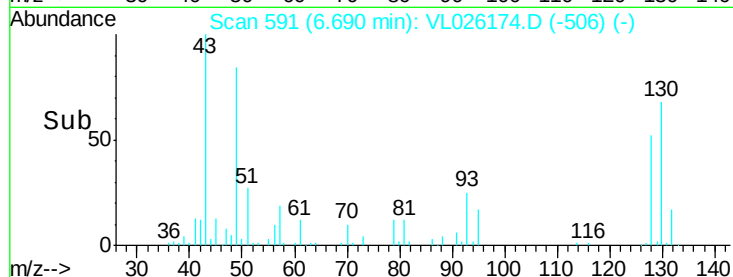
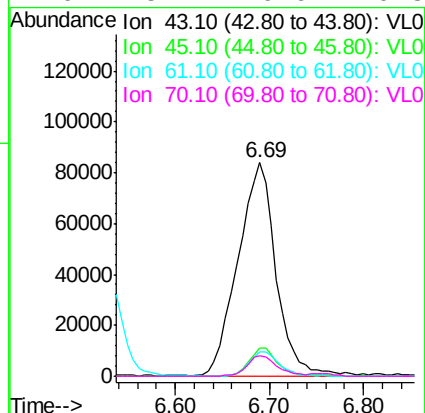
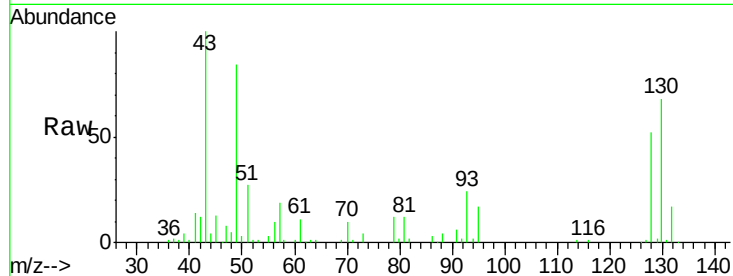
#25
Ethyl Acetate
Concen: 0.97 ppbv
RT: 6.69 min Scan# 591
Delta R.T. 0.02 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	237017
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.7	11.5
61	9.2	7.4	11.2
70	8.4	6.6	9.8

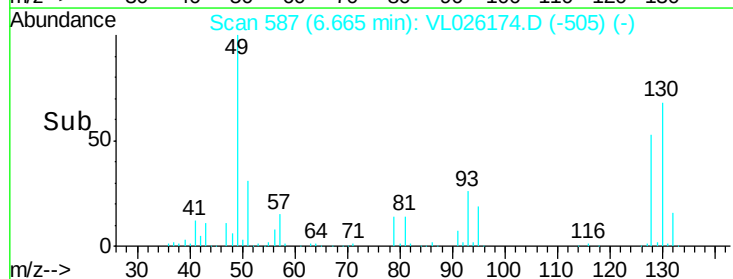
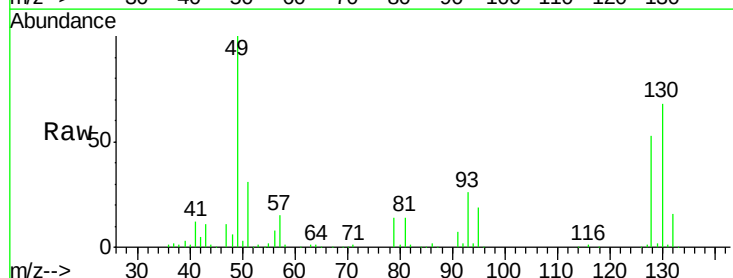
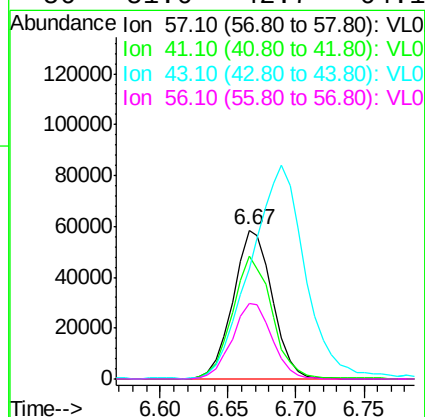
Manual Integrations
APPROVED

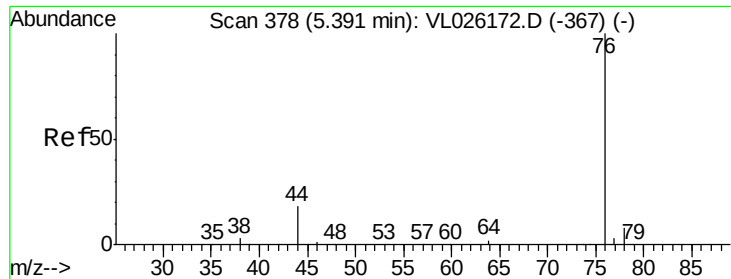
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10/12/2015 1:25:26 PM



#26
Hexane
Concen: 1.00 ppbv
RT: 6.67 min Scan# 587
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	57	Resp	117719
Ion	Ratio	Lower	Upper
57	100		
41	83.7	68.0	102.0
43	205.9	164.4	246.6
56	51.6	42.7	64.1





#27

Carbon Disulfide

Concen: 1.02 ppbv

RT: 5.40 min Scan# 379

Delta R.T. 0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

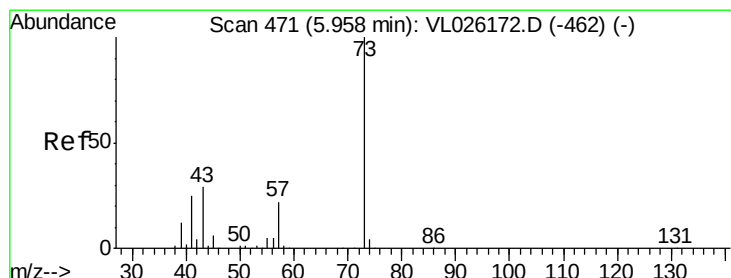
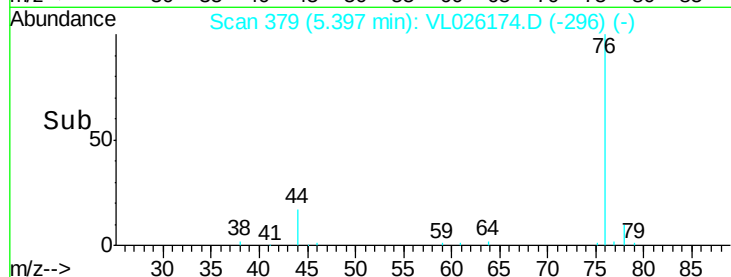
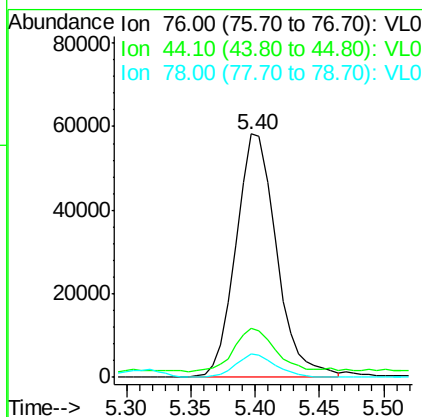
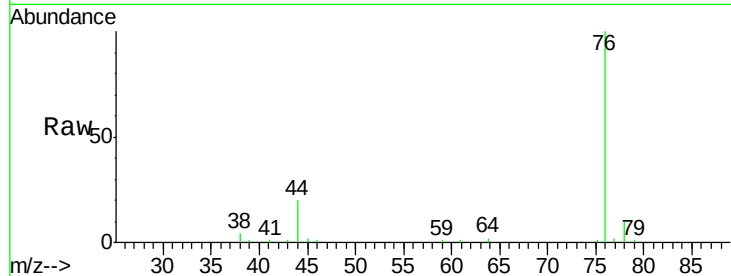
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	127850
Ion	Ratio	Lower	Upper
76	100		
44	22.0	14.2	21.4#
78	9.3	7.5	11.3

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 1.02 ppbv

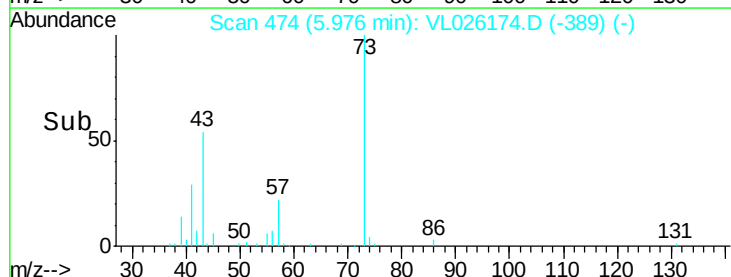
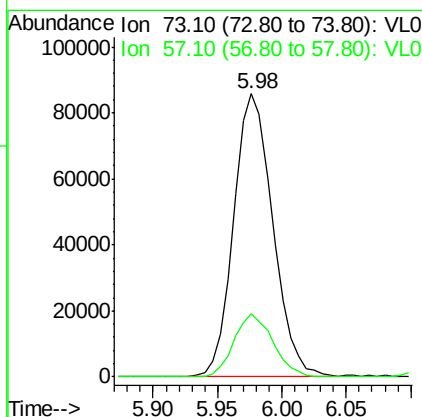
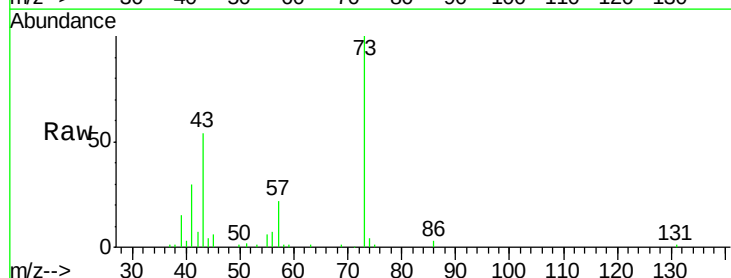
RT: 5.98 min Scan# 474

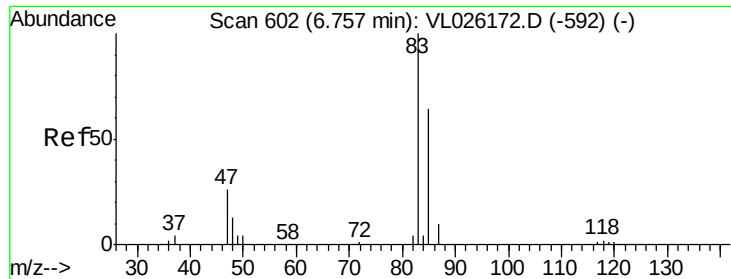
Delta R.T. 0.02 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion:	73	Resp:	181565
Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.8	26.6





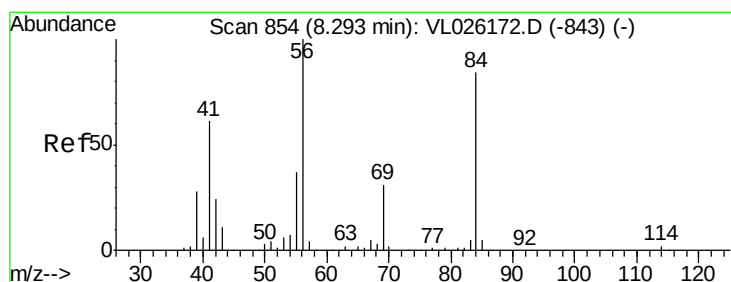
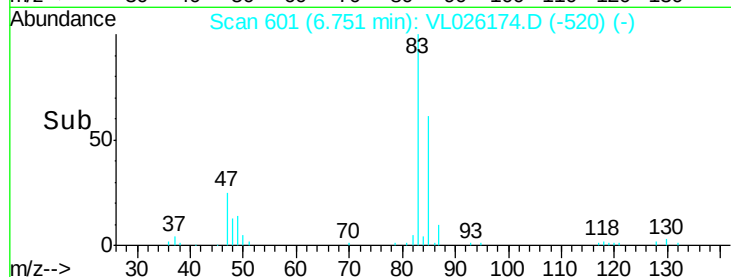
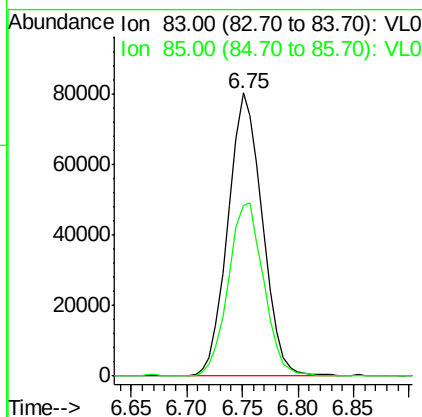
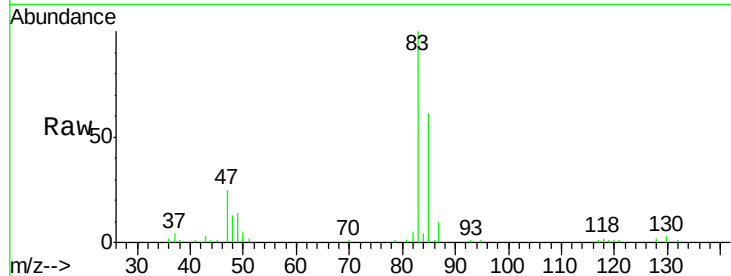
#29
Chloroform
Concen: 1.05 ppbv
RT: 6.75 min Scan# 601
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	171948
Ion Ratio	100	Lower	Upper
85	60.5	51.5	77.3

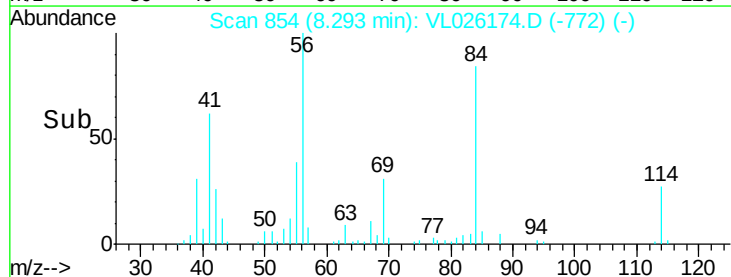
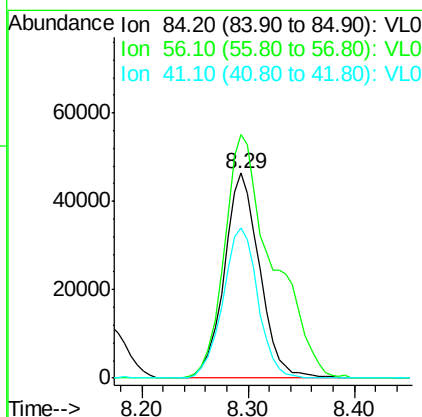
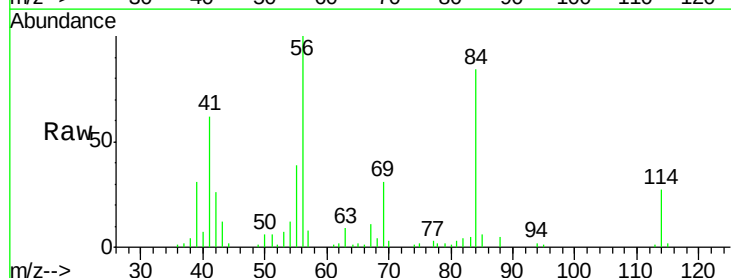
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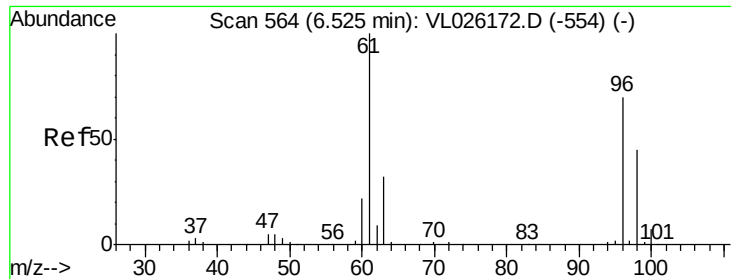
MMdadoda
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#30
Cyclohexane
Concen: 0.96 ppbv
RT: 8.29 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	84	Resp	107623
Ion Ratio	100	Lower	Upper
56	162.0	99.8	149.8#
41	72.2	58.1	87.1





#31

cis-1,2-Dichloroethene

Concen: 0.95 ppbv

RT: 6.53 min Scan# 564

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

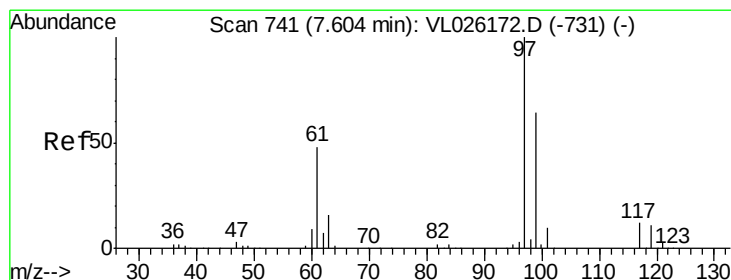
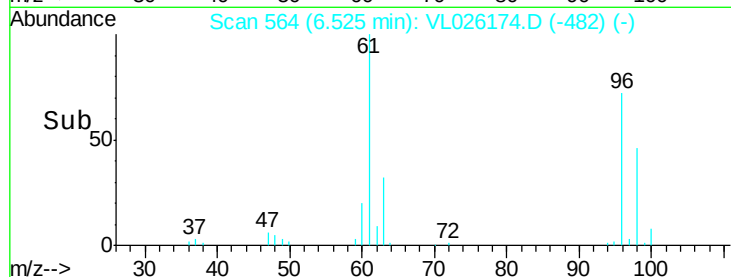
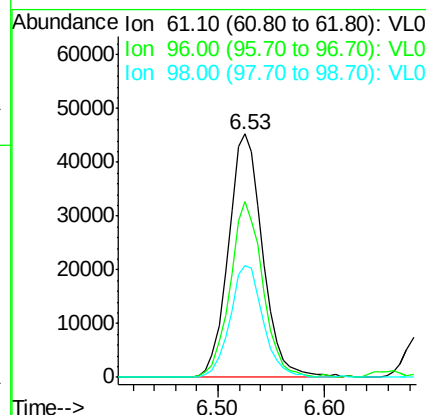
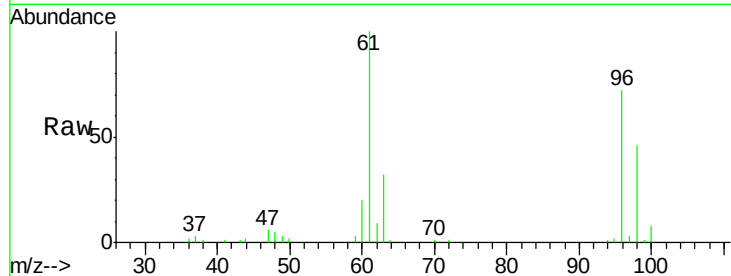
ClientSampleId :

VSTDIC001

Tot Ion:	61	Resp:	101788
Ion	Ratio	Lower	Upper
61	100		
96	72.2	55.8	83.8
98	45.7	35.8	53.6

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#32

1,1,1-Trichloroethane

Concen: 0.96 ppbv

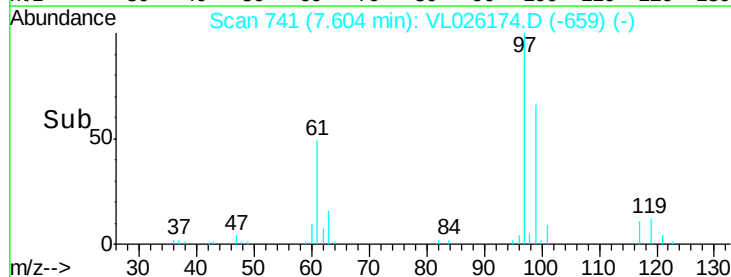
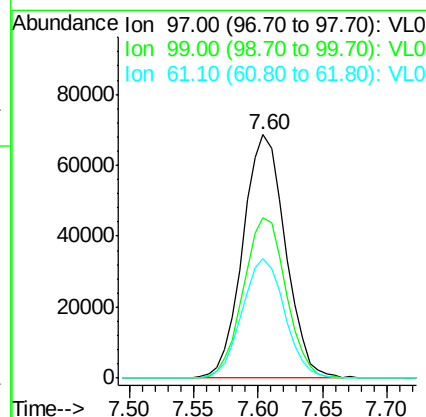
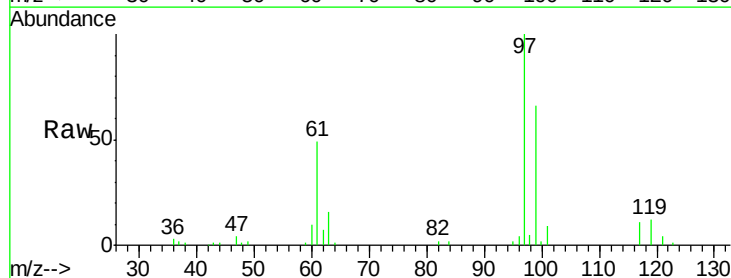
RT: 7.60 min Scan# 741

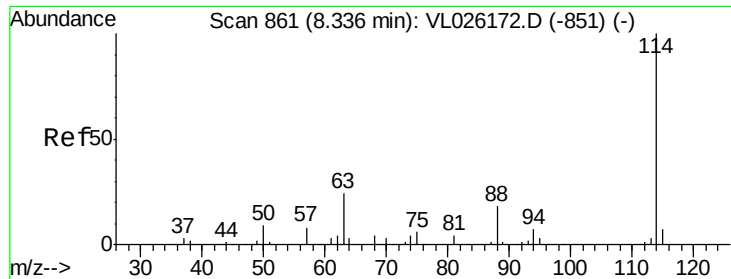
Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion:	97	Resp:	157260
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.3	76.9
61	49.2	38.7	58.1





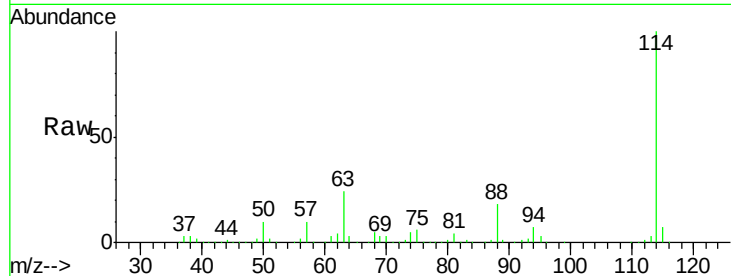
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

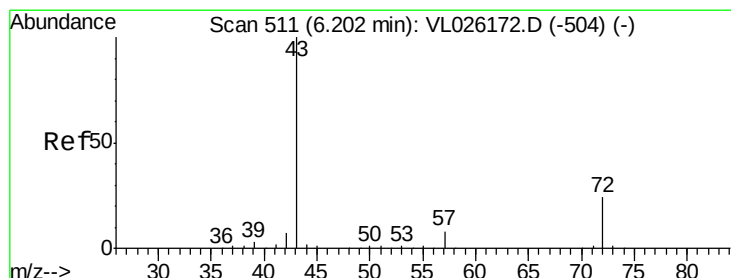
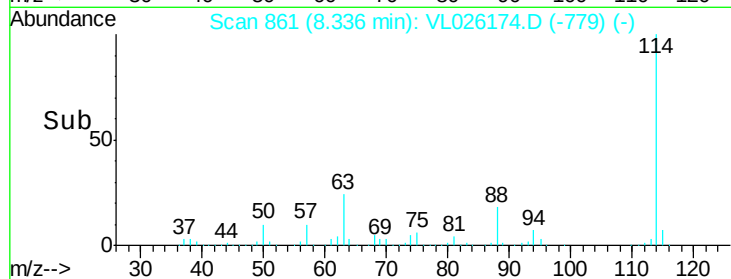
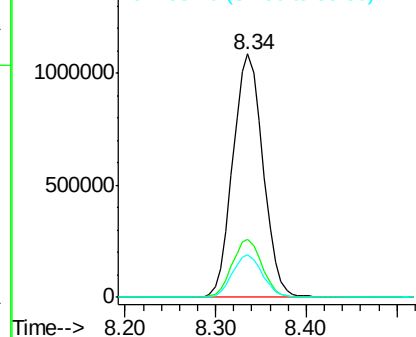
Tot Ion:114 Resp: 2510991
 Ion Ratio Lower Upper
 114 100
 63 23.8 19.0 28.6
 88 17.4 13.8 20.8

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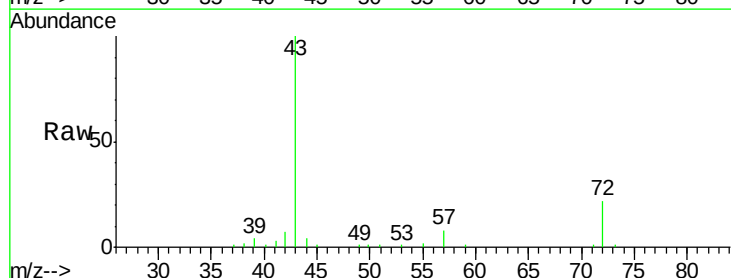


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

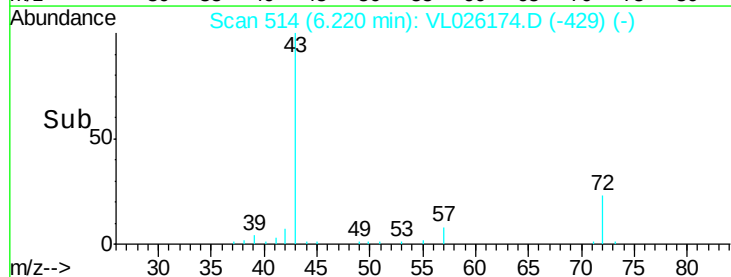
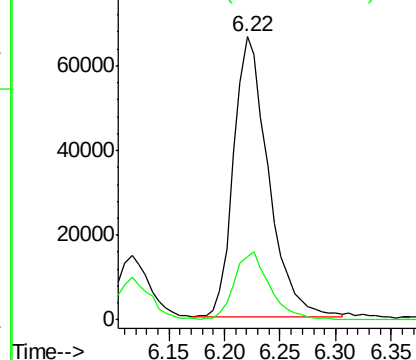


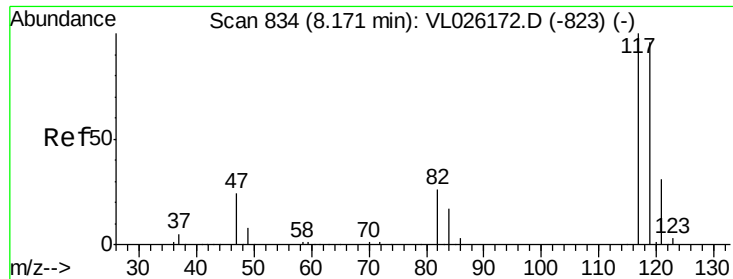
#34
 2-Butanone
 Concen: 0.89 ppbv
 RT: 6.22 min Scan# 514
 Delta R.T. 0.02 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion: 43 Resp: 143821
 Ion Ratio Lower Upper
 43 100
 72 25.0 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: 0.97 ppbv

RT: 8.17 min Scan# 834

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

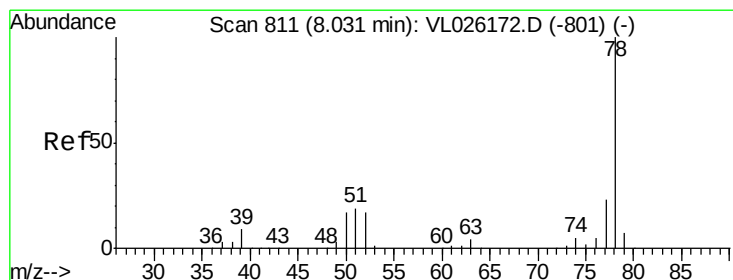
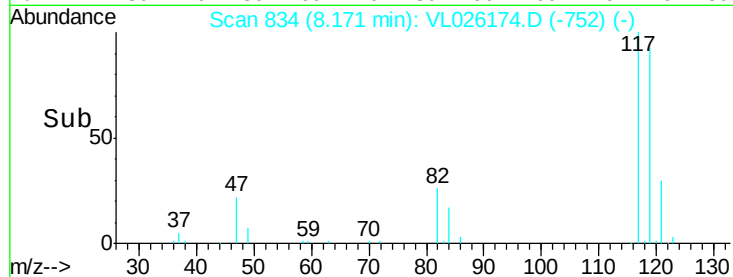
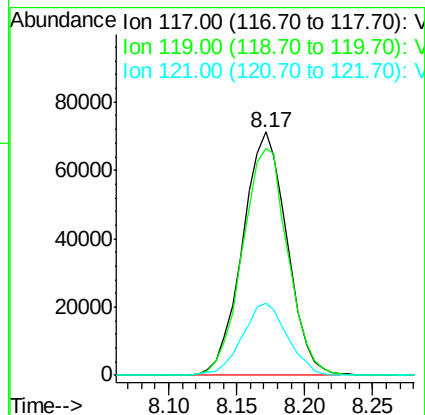
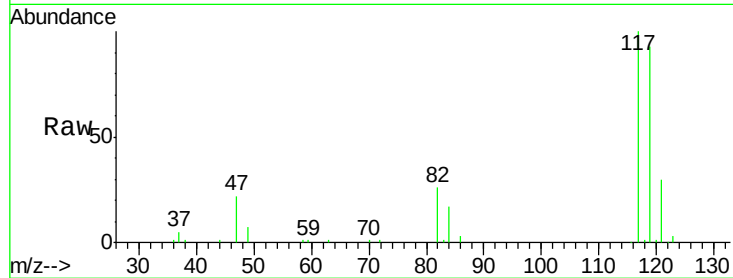
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.4	76.6	115.0
121	29.6	25.0	37.4

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#36

Benzene

Concen: 0.94 ppbv

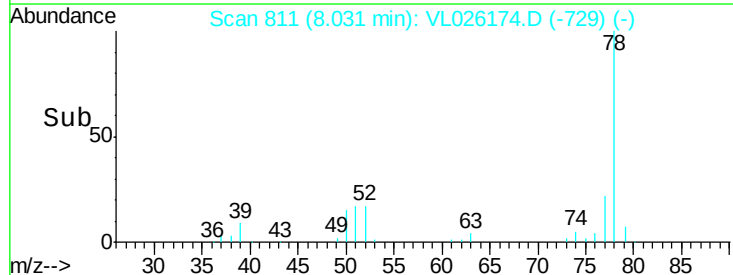
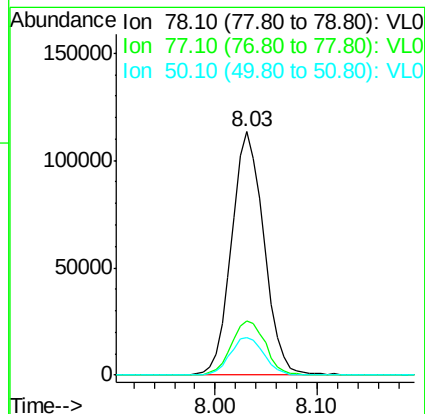
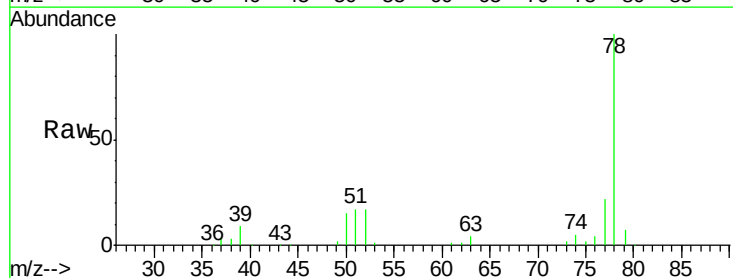
RT: 8.03 min Scan# 811

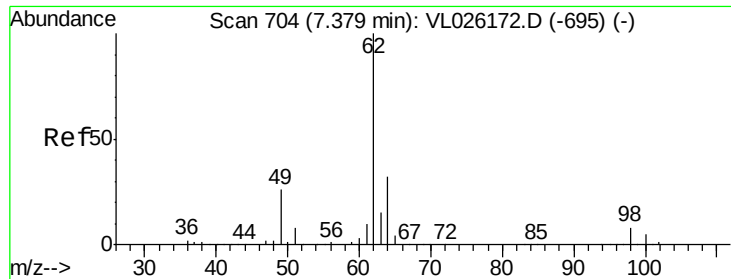
Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.2	27.4
50	15.2	13.4	20.2





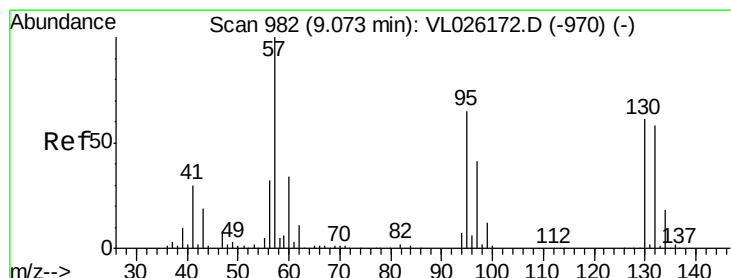
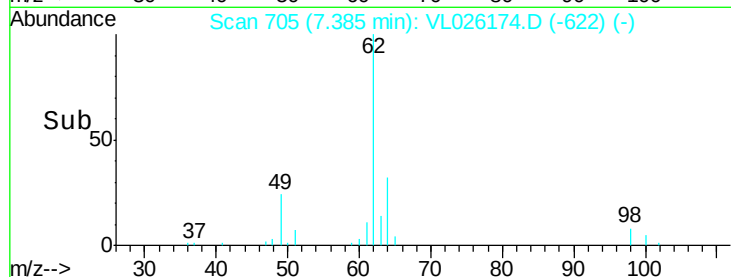
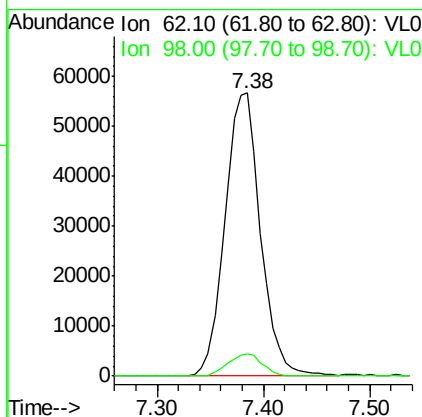
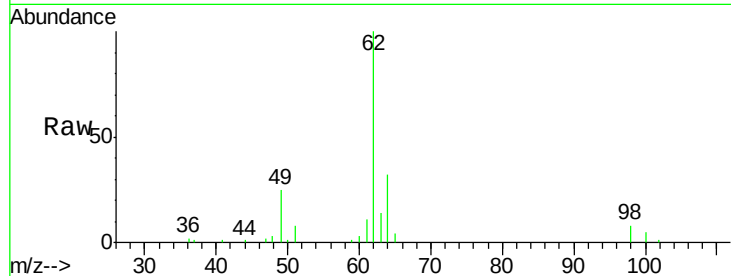
#37
 1,2-Dichloroethane
 Concen: 1.00 ppbv
 RT: 7.38 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	132105		
98	7.6		6.2	9.2

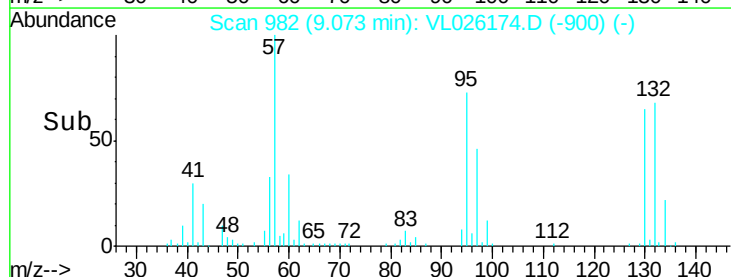
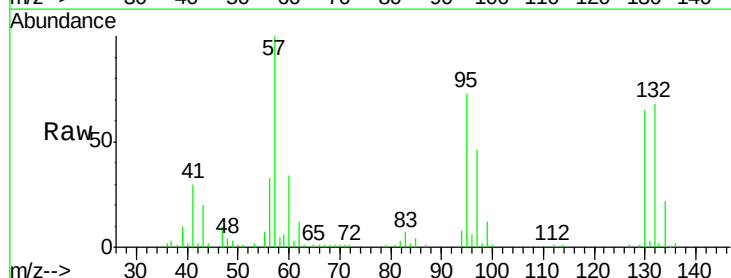
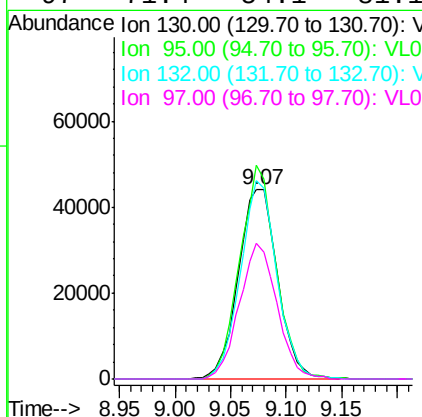
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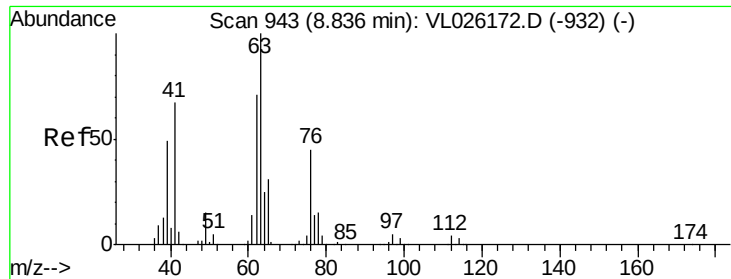
MMdadoda
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#38
 Trichloroethene
 Concen: 0.93 ppbv
 RT: 9.07 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	108319		
95	112.8		84.9	127.3
132	104.7		76.8	115.2
97	71.4		54.1	81.1





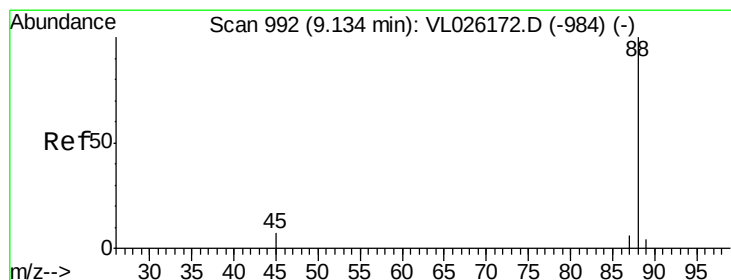
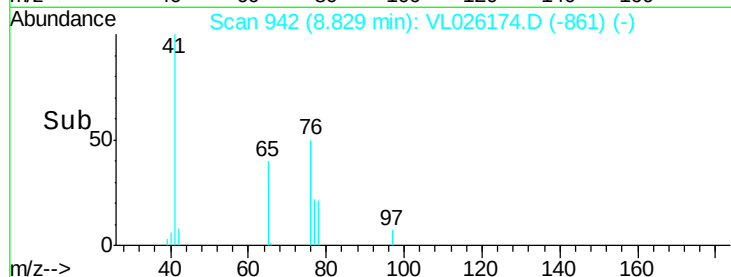
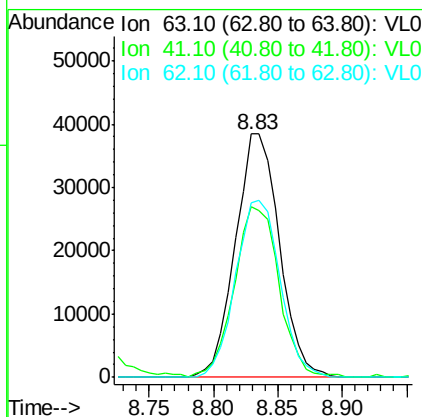
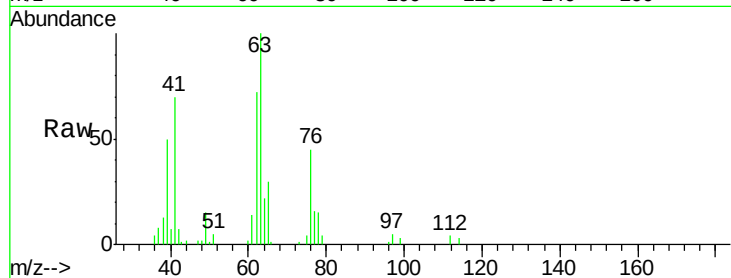
#39
 1,2-Dichloropropane
 Concen: 0.92 ppbv
 RT: 8.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.1	53.9	80.9
62	71.9	57.1	85.7

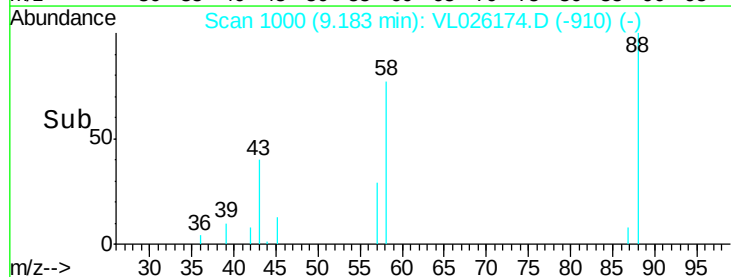
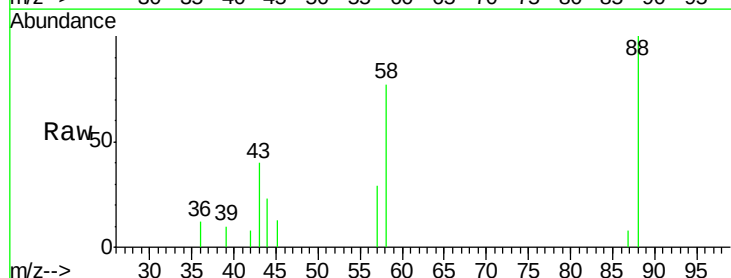
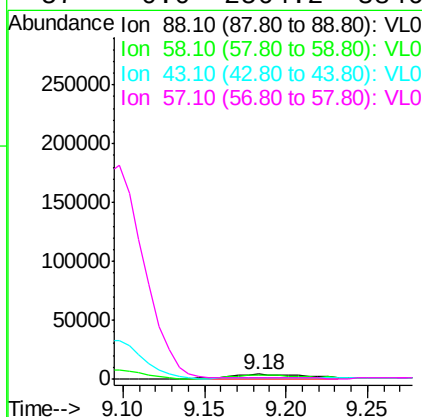
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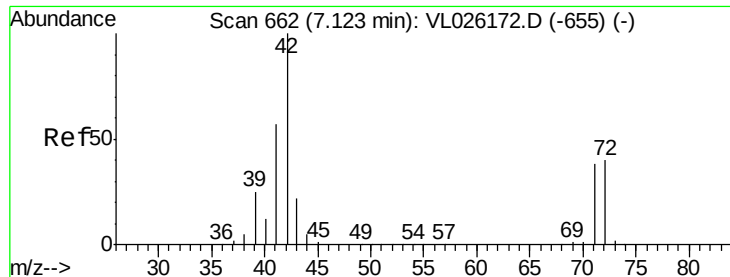
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#40
 1,4-Dioxane
 Concen: 0.98 ppbv
 RT: 9.18 min Scan# 1000
 Delta R.T. 0.05 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	105.5	178.4	267.6#
43	0.0	510.2	765.4#
57	0.0	2564.2	3846.4#





#41

Tetrahydrofuran

Concen: 0.84 ppbv

RT: 7.16 min Scan# 668

Delta R.T. 0.04 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

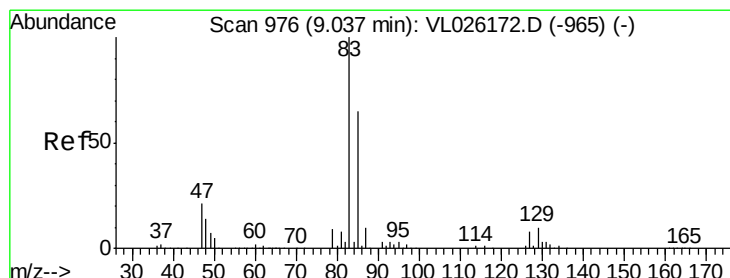
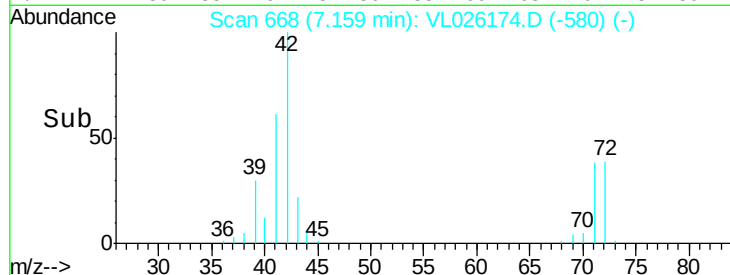
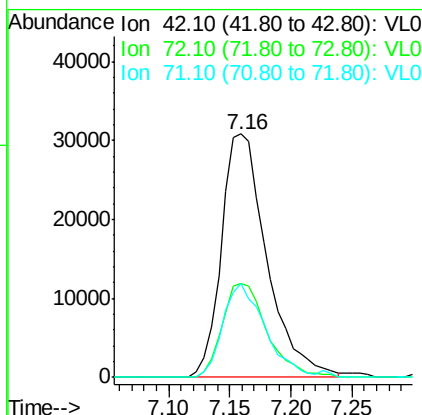
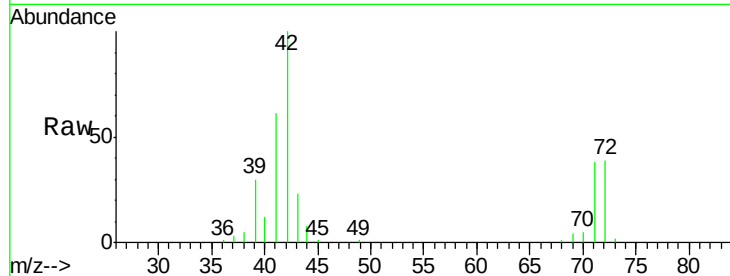
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	79225
Ion	Ratio	Lower	Upper
42	100		
72	38.1	32.4	48.6
71	36.7	30.2	45.4

Manual Integrations
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#42

Bromodichloromethane

Concen: 0.98 ppbv

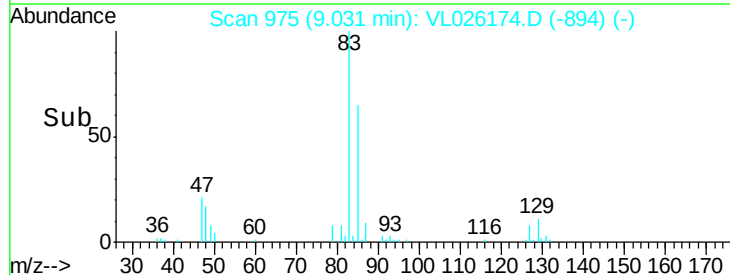
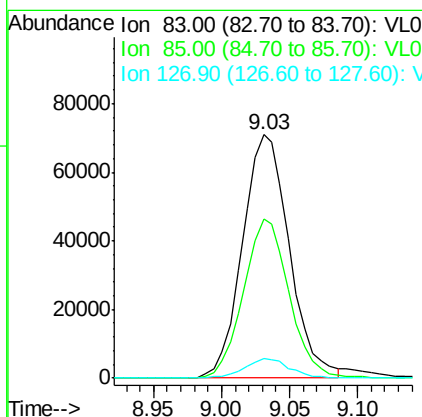
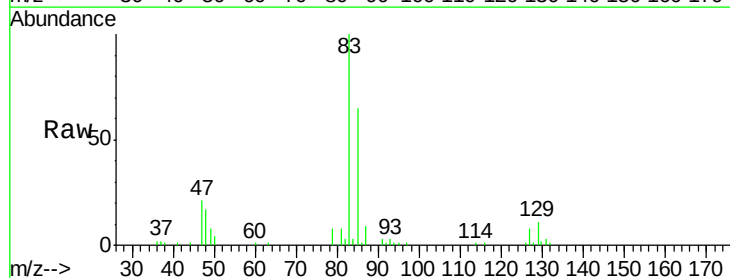
RT: 9.03 min Scan# 975

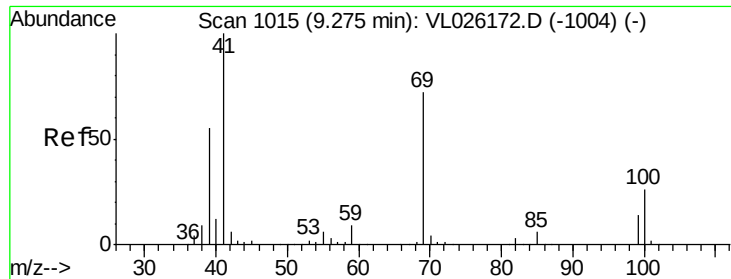
Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion:	83	Resp:	170799
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.9	77.9
127	7.9	6.2	9.4





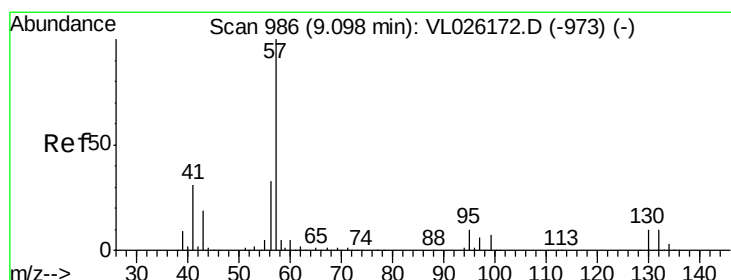
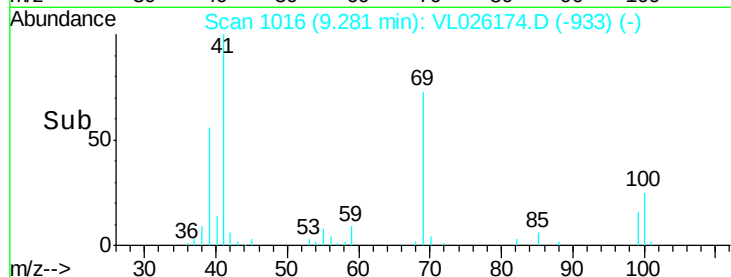
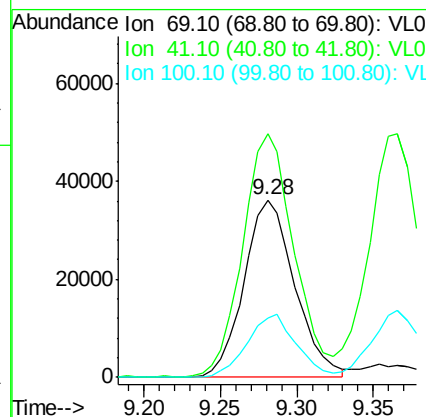
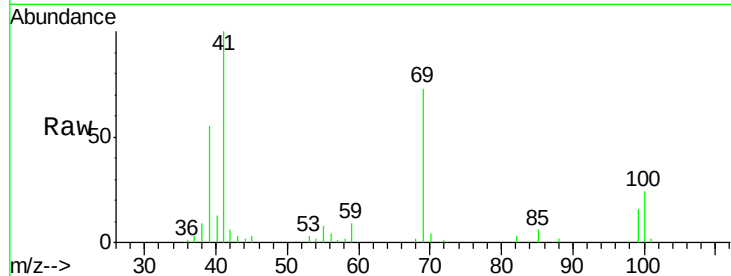
#43
Methyl Methacrylate
Concen: 0.89 ppbv
RT: 9.28 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	138.4	111.5	167.3
100	34.2	28.4	42.6

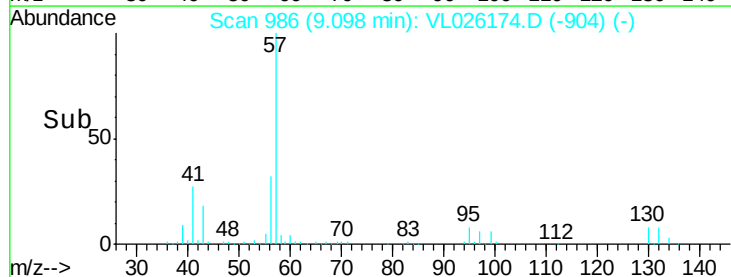
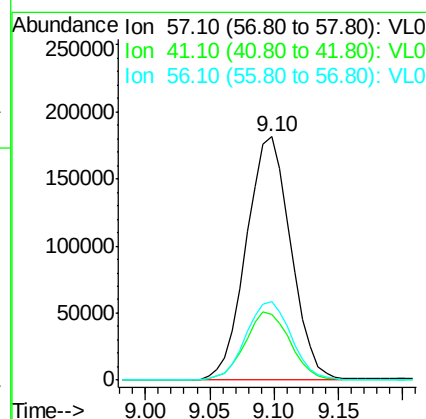
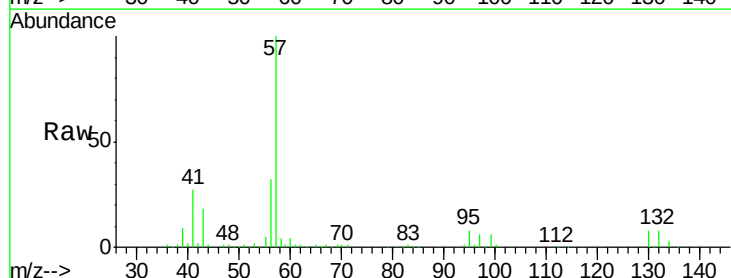
Manual Integrations
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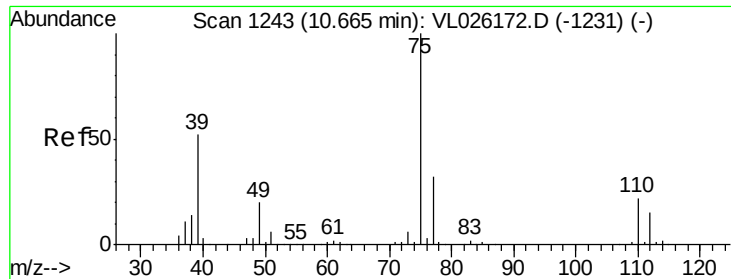
MMdadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.97 ppbv
RT: 9.10 min Scan# 986
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	28.7	23.7	35.5
56	33.0	26.4	39.6





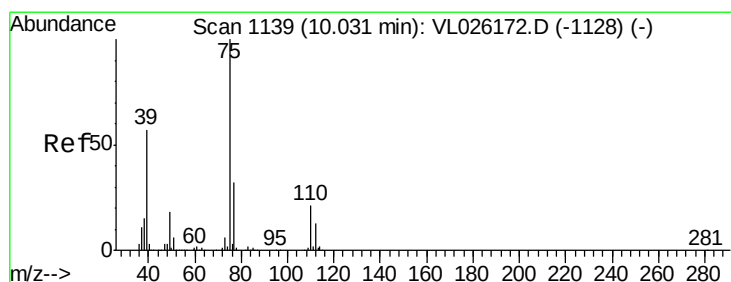
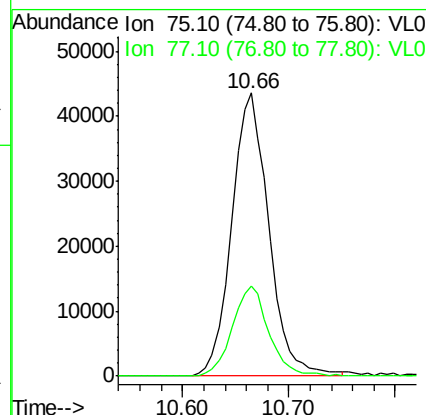
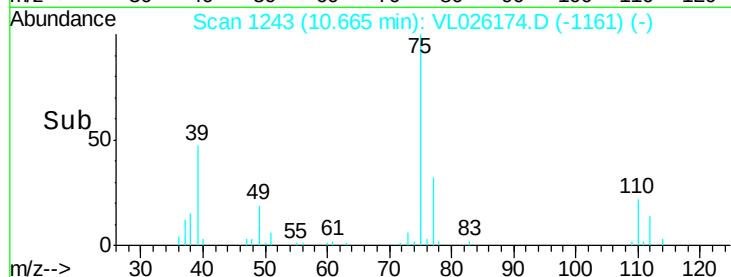
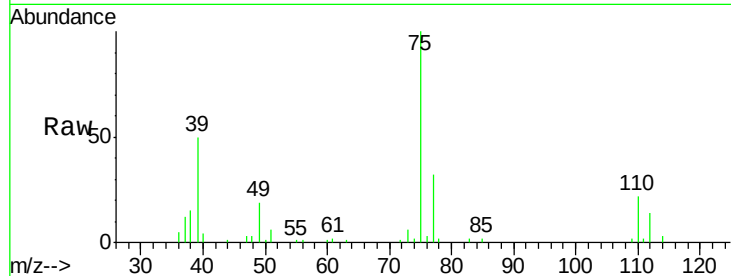
#45
t-1,3-Dichloropropene
Concen: 0.86 ppbv
RT: 10.66 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

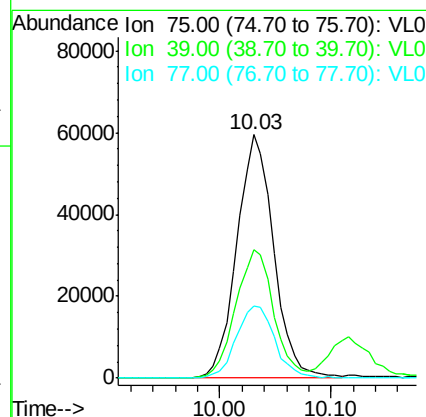
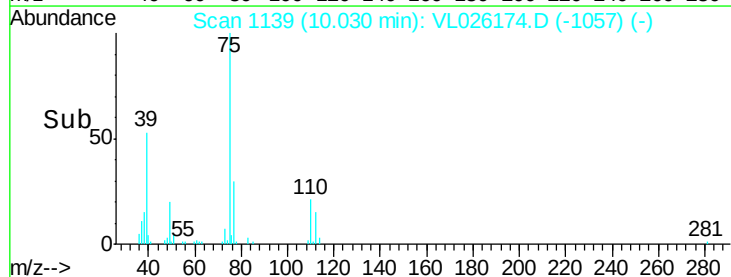
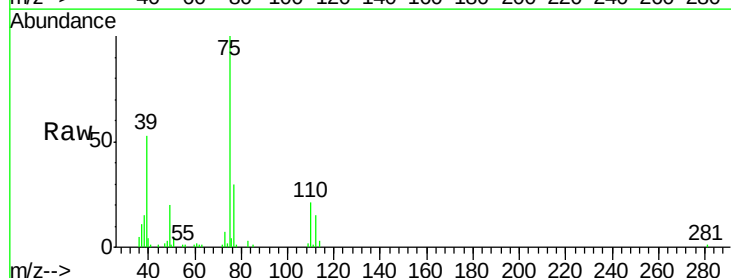
Manual Integrations
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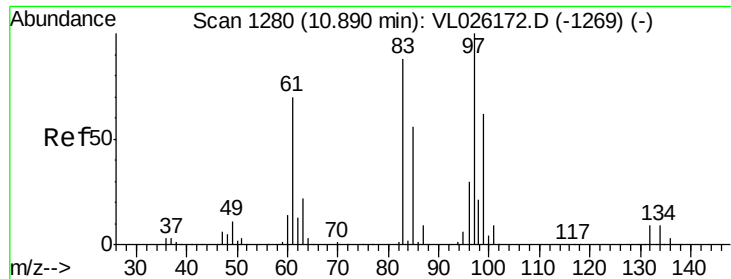
MMdadoda
10/12/2015 1:25:26 PM



#46
cis-1,3-Dichloropropene
Concen: 0.89 ppbv
RT: 10.03 min Scan# 1139
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
75	100		
39	52.9	45.4	68.2
77	29.8	25.4	38.2





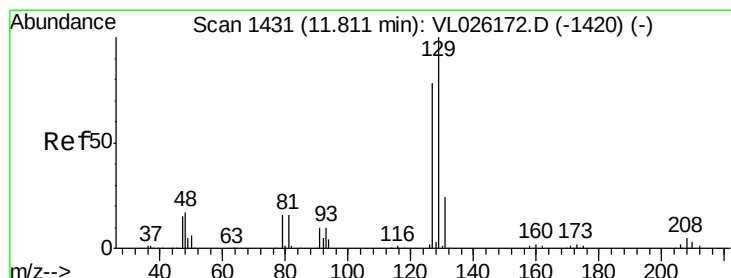
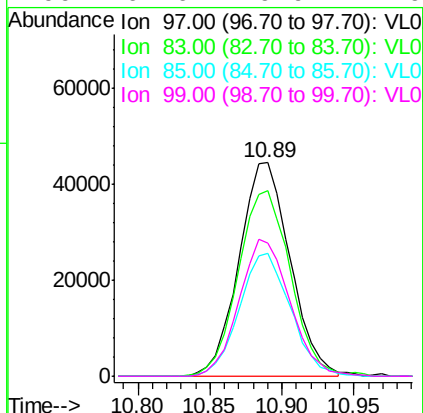
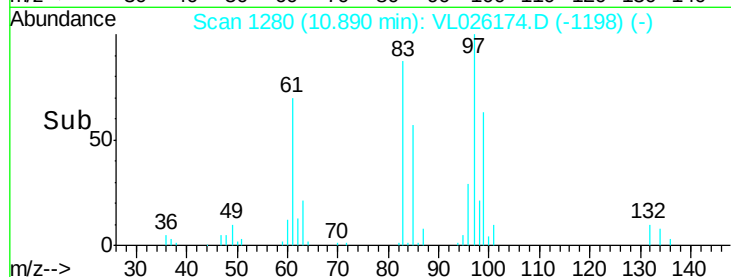
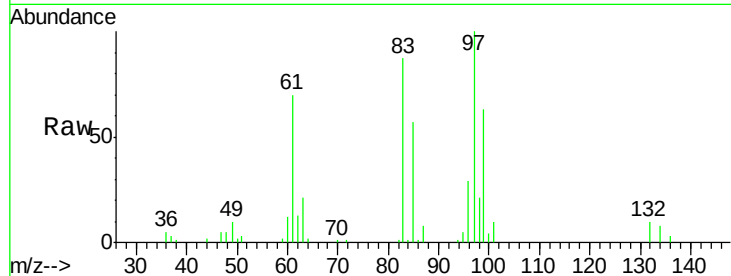
#47
 1,1,2-Trichloroethane
 Concen: 0.97 ppbv
 RT: 10.89 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109575		
83	85.8	70.6	106.0		
85	57.3	45.1	67.7		
99	62.6	49.9	74.9		

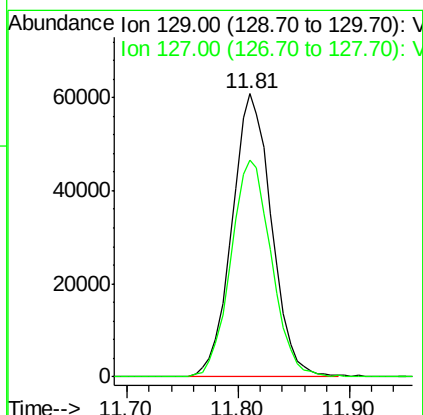
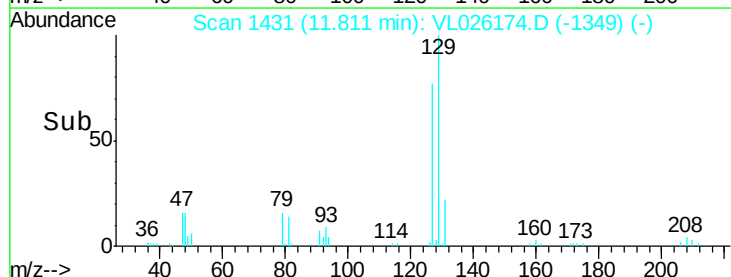
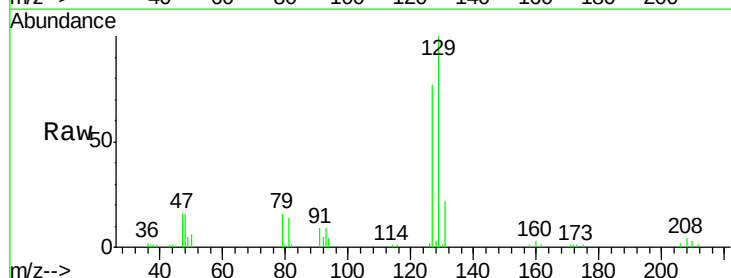
Manual Integrations
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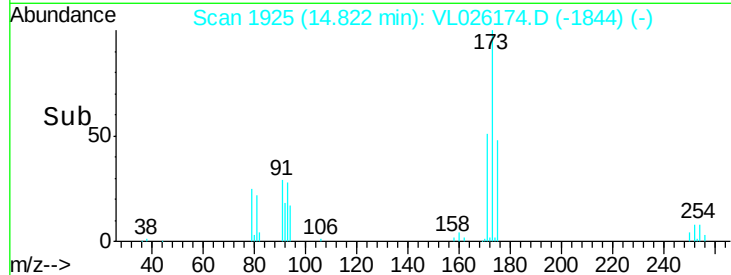
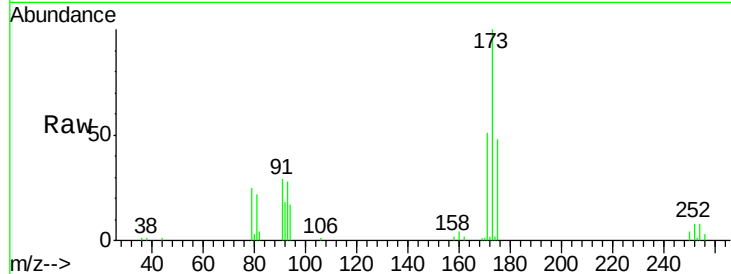
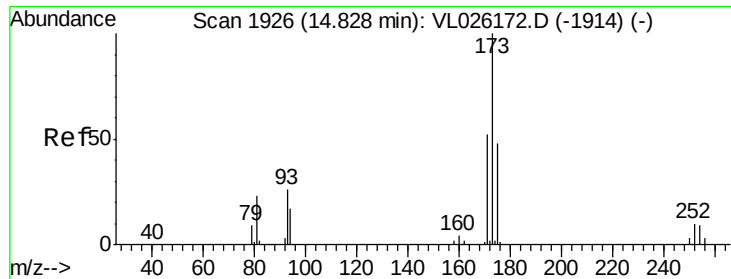
MMdadoda
 10/12/2015 1:25:26 PM



#48
 Dibromochloromethane
 Concen: 0.98 ppbv
 RT: 11.81 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		150205		
127	78.2	39.0	117.0		





#49

Bromoform

Concen: 0.93 ppbv

RT: 14.82 min Scan# 1925

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tot Ion:	173	Resp:	105665
Ion Ratio	Lower	Upper	
173	100		
175	49.6	39.0	58.6
171	52.7	41.9	62.9

Instrument :

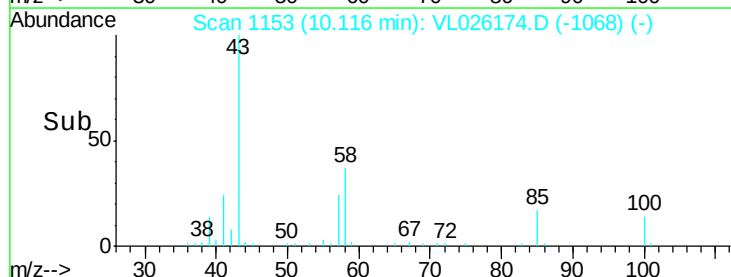
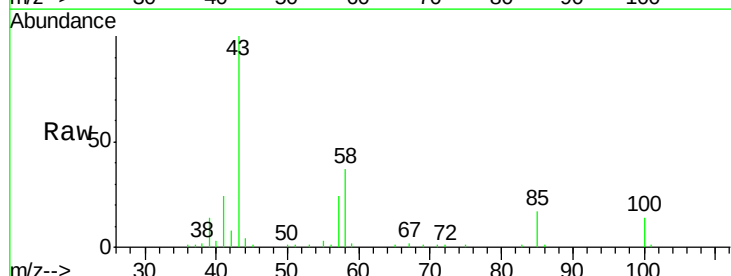
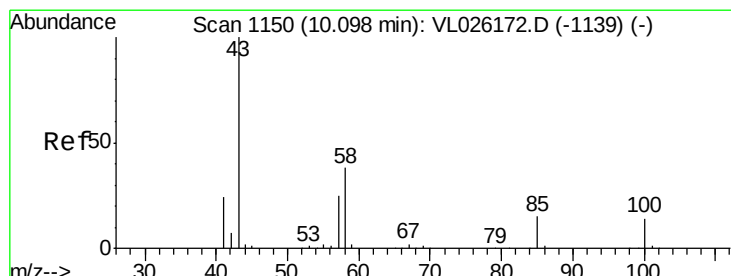
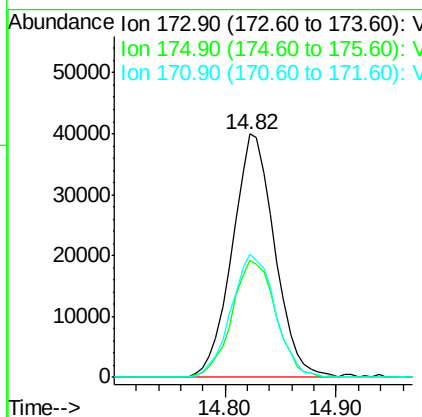
MSVOA_L

ClientSampleId :

VSTDIC001

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.86 ppbv

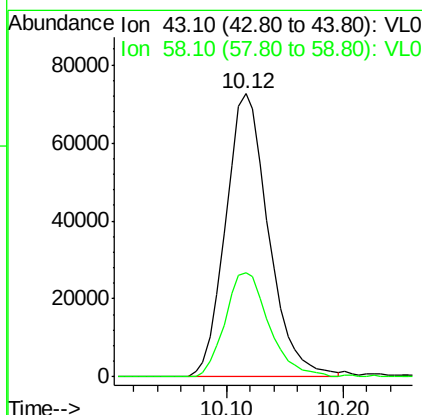
RT: 10.12 min Scan# 1153

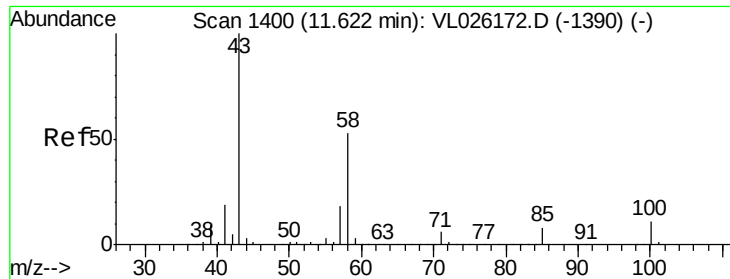
Delta R.T. 0.02 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion:	43	Resp:	186578
Ion Ratio	Lower	Upper	
43	100		
58	37.4	30.4	45.6





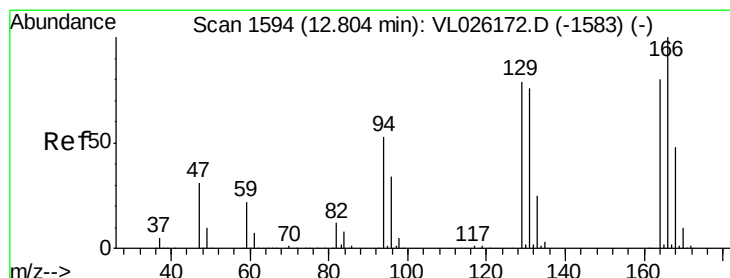
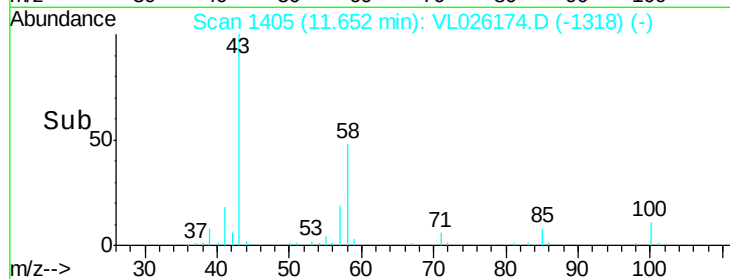
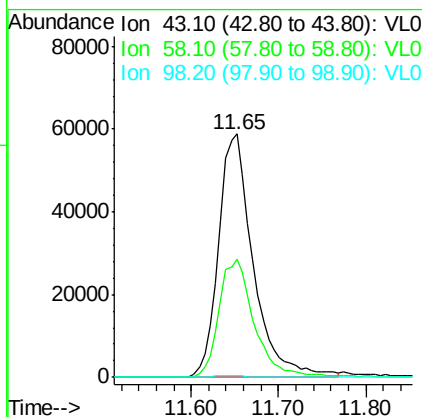
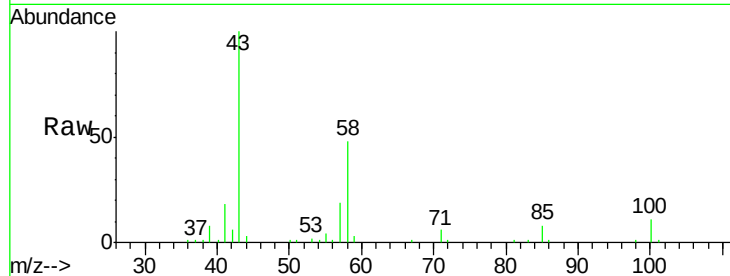
#51
2-Hexanone
Concen: 0.82 ppbv
RT: 11.65 min Scan# 1405
Delta R.T. 0.03 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	42.2	63.4
98	0.6	0.2	0.2#

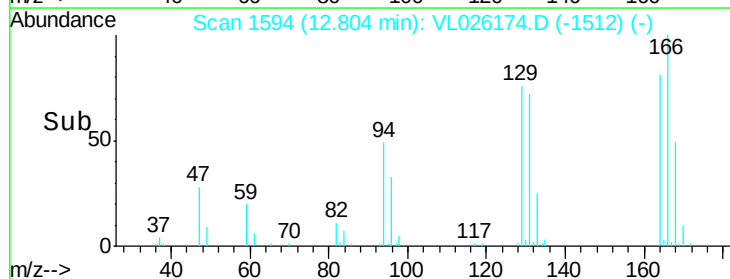
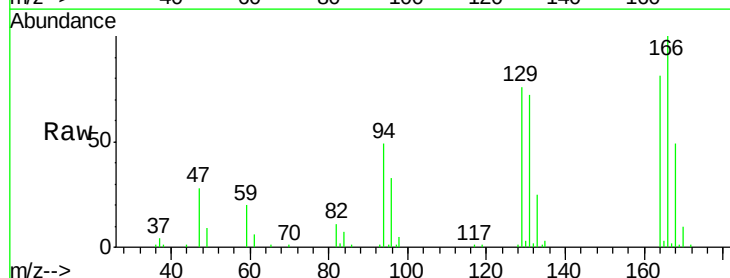
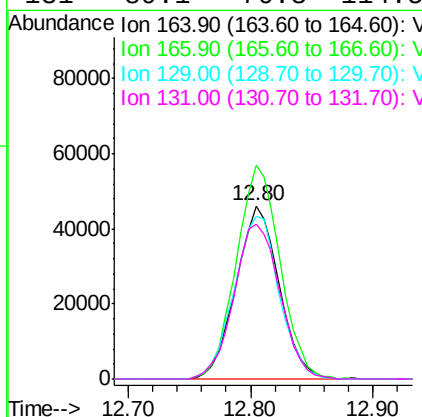
Manual Integrations
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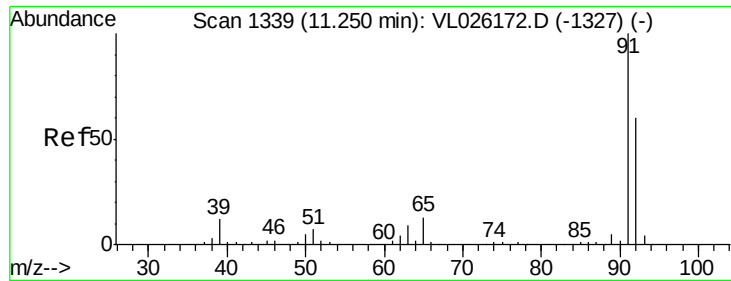
MMdadoda
10/12/2015 1:25:26 PM



#52
Tetrachloroethene
Concen: 0.93 ppbv
RT: 12.80 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.3	99.9	149.9
129	93.9	79.1	118.7
131	89.1	76.3	114.5





#53

Toluene

Concen: 0.95 ppbv

RT: 11.25 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 320129

Ion Ratio Lower Upper

91 100

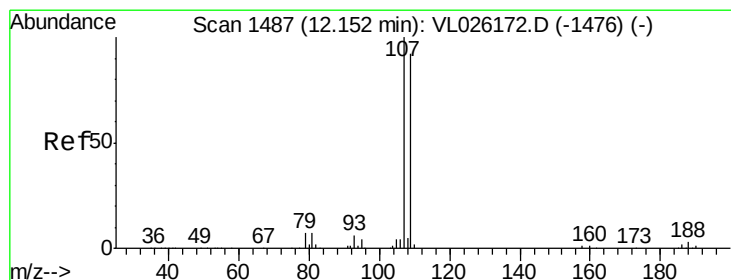
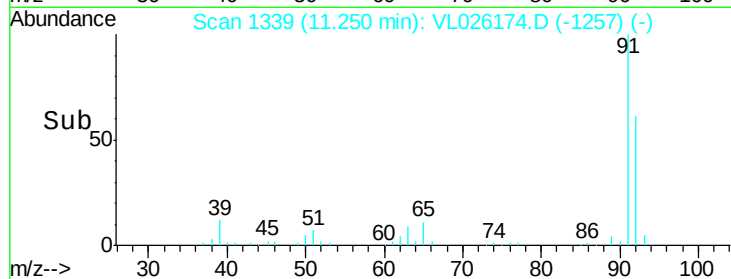
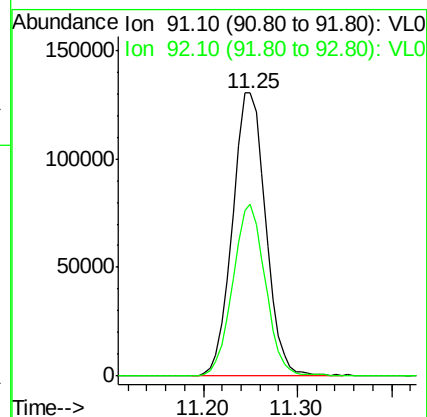
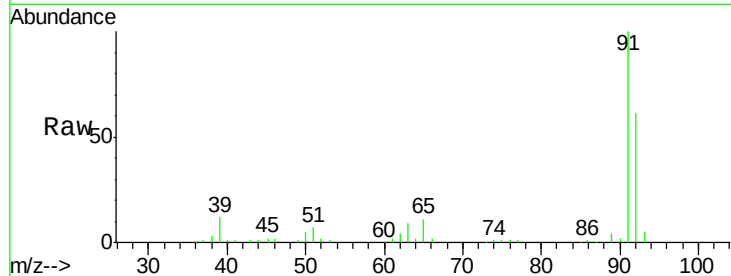
92 59.5 48.5 72.7

Manual Integrations

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MMdadoda

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#54

1,2-Dibromoethane

Concen: 0.98 ppbv

RT: 12.15 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VL026174.D

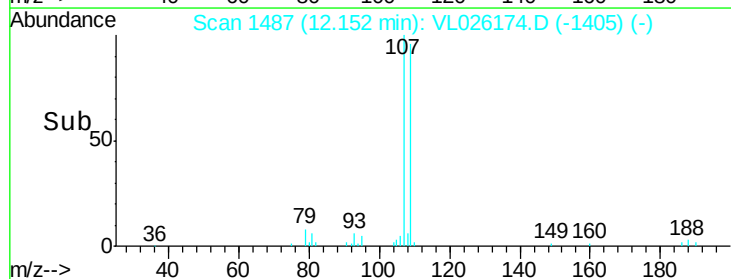
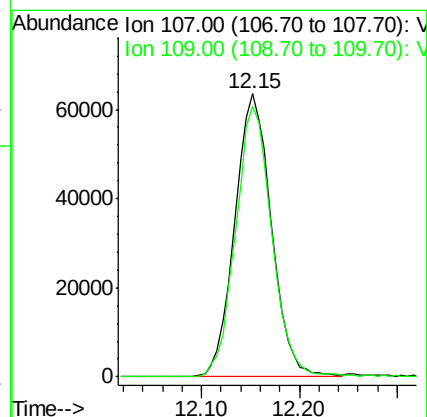
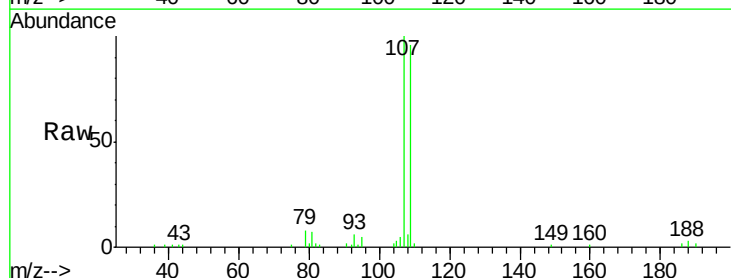
Acq: 9 Oct 2015 12:19

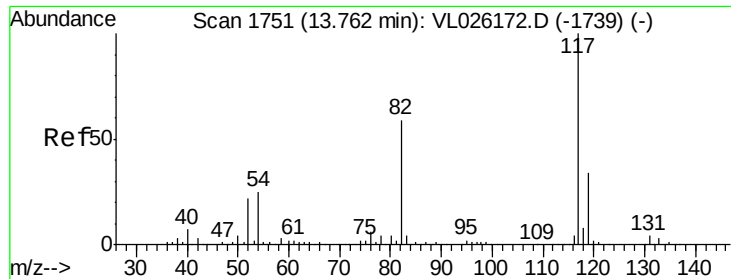
Tgt Ion: 107 Resp: 165117

Ion Ratio Lower Upper

107 100

109 95.6 73.2 109.8





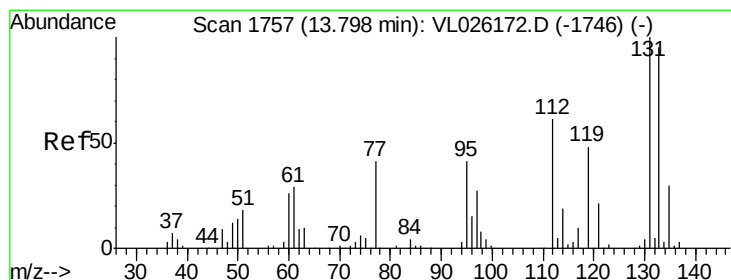
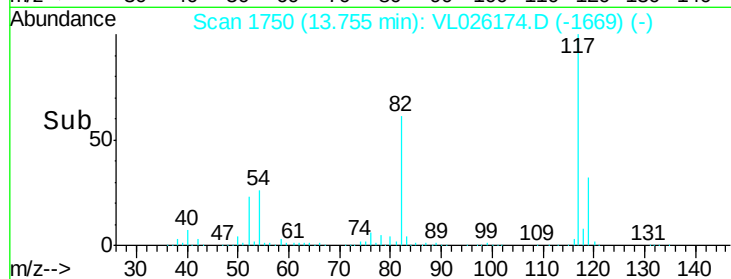
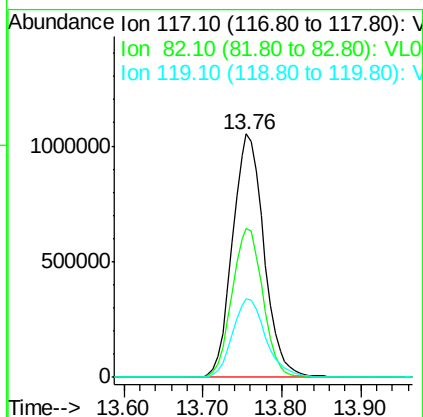
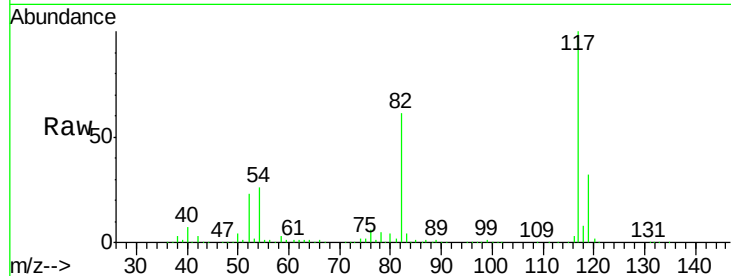
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.76 min Scan# 1750
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.7	71.5
119	34.4	43.7	65.5

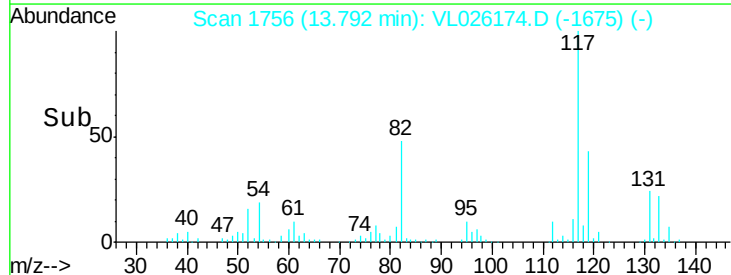
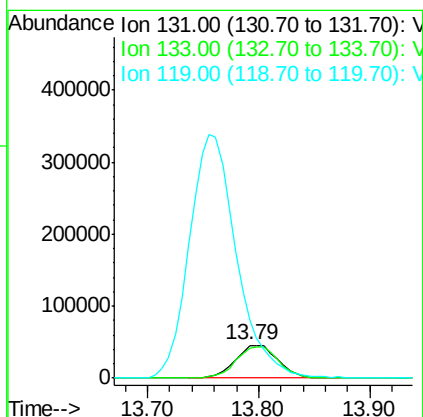
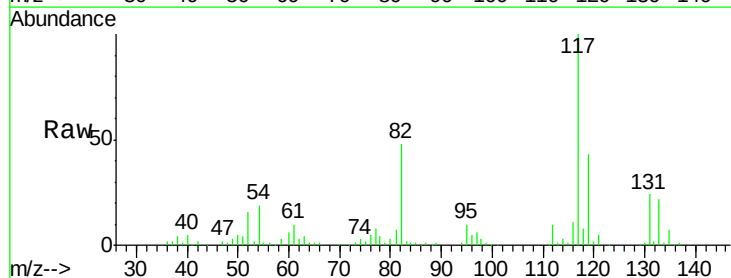
Manual Integrations
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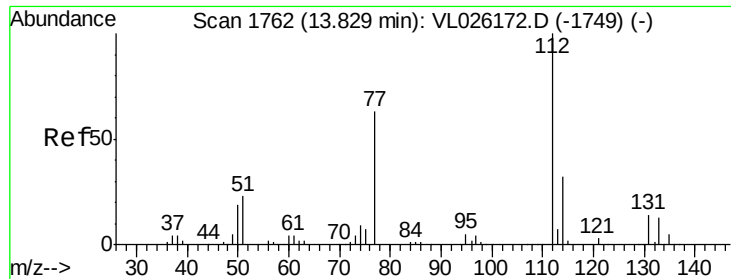
MMdadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.00 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.5	114.7
119	829.9	116.0	174.0





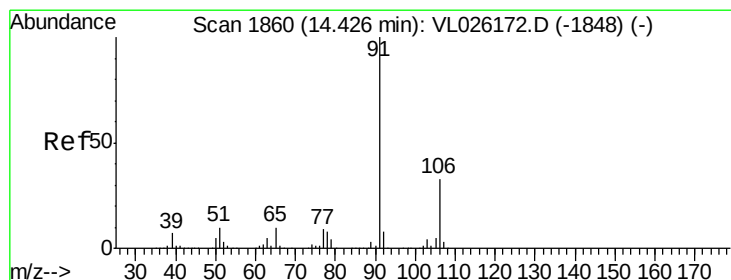
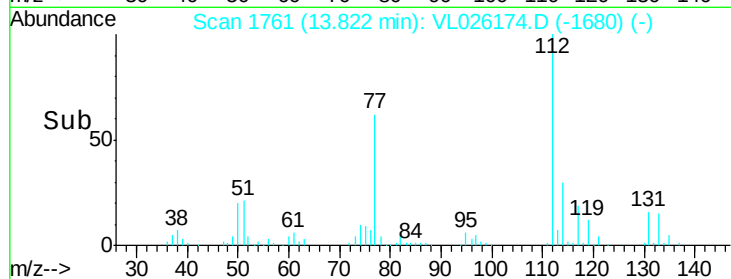
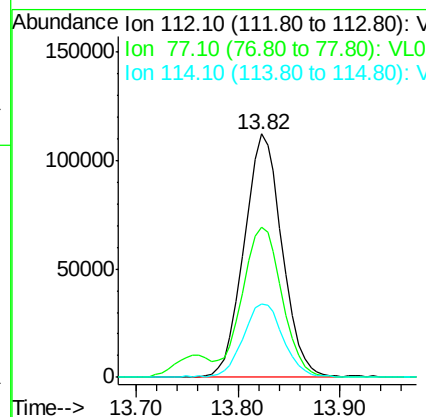
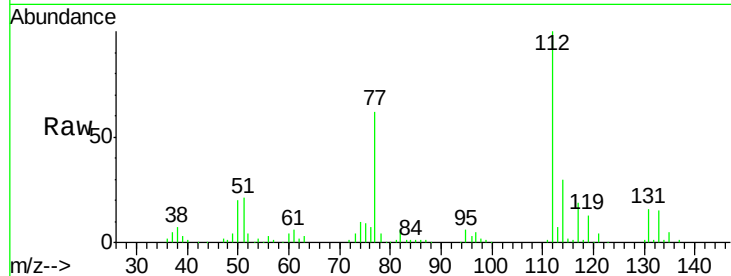
#57
Chlorobenzene
Concen: 1.01 ppbv
RT: 13.82 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	61.1	51.0	76.4
114	30.1	29.0	35.4

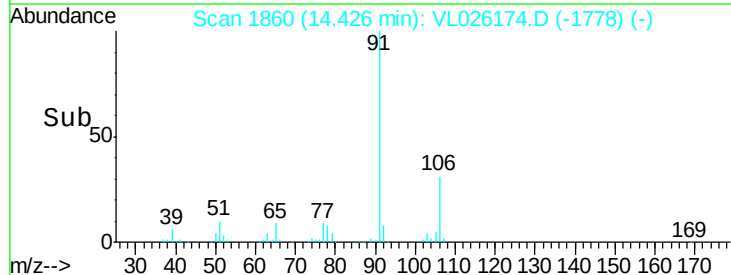
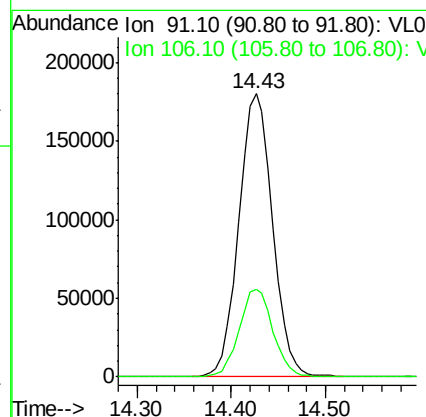
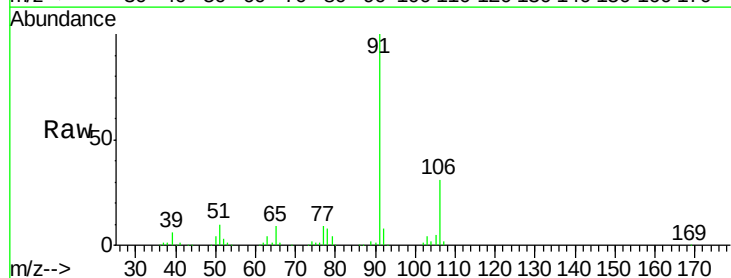
Manual Integrations
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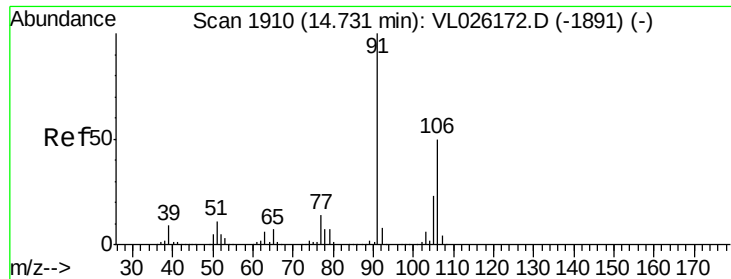
MMdadoda
10/12/2015 1:25:26 PM



#58
Ethyl Benzene
Concen: 0.93 ppbv
RT: 14.43 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.9	26.1	39.1





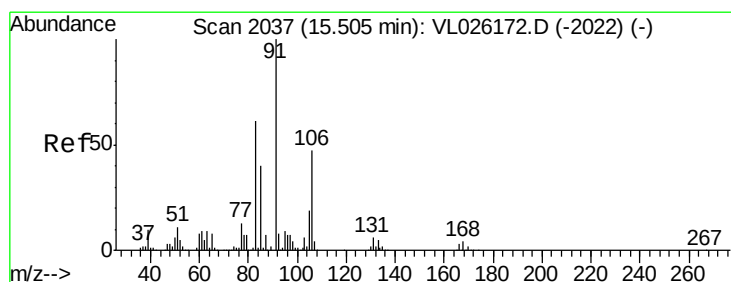
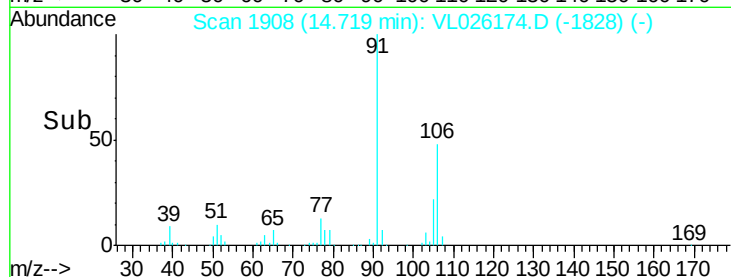
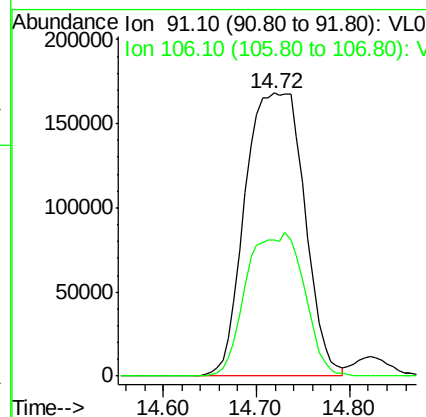
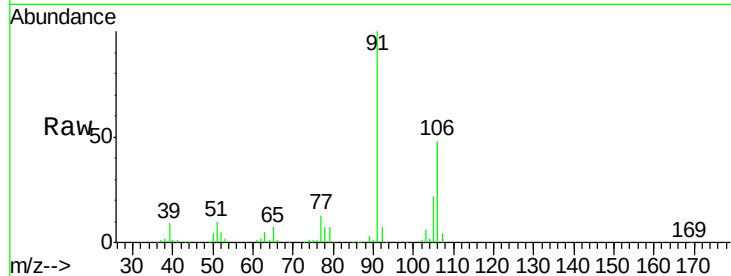
#59
m/p-Xylene
Concen: 1.94 ppbv m
RT: 14.72 min Scan# 1908
Delta R.T. -0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 740046
Ion Ratio Lower Upper
91 100
106 0.0 40.2 60.4#

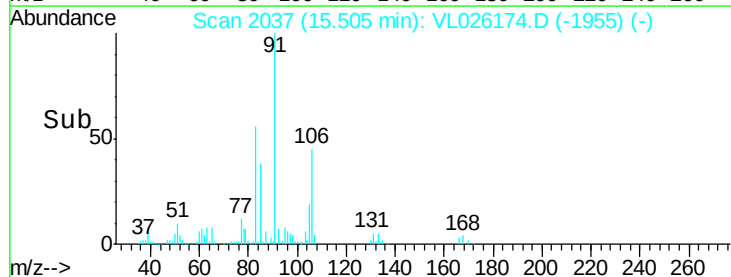
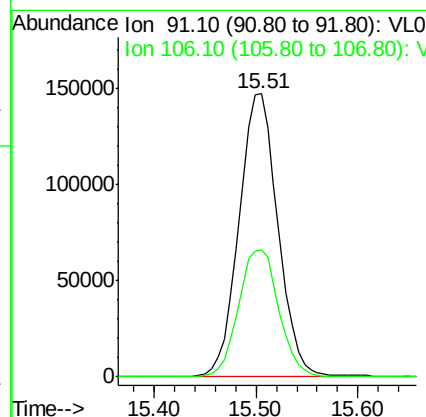
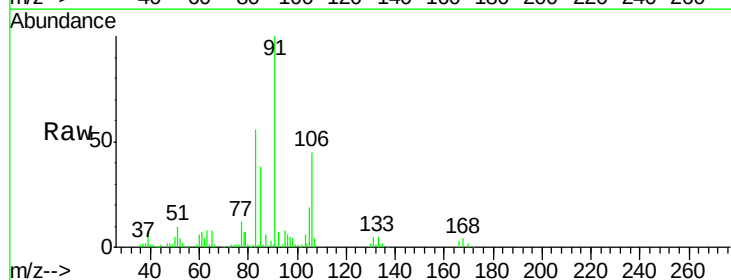
Manual Integrations
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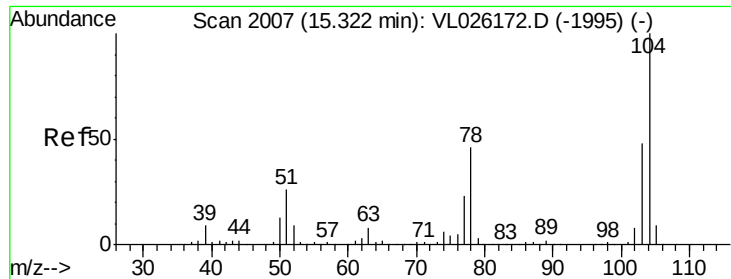
MMdadoda
10/12/2015 1:25:26 PM



#60
o-Xylene
Concen: 0.98 ppbv
RT: 15.51 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion: 91 Resp: 389940
Ion Ratio Lower Upper
91 100
106 46.6 23.4 70.3





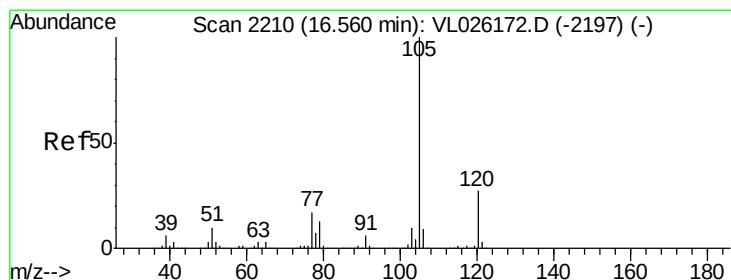
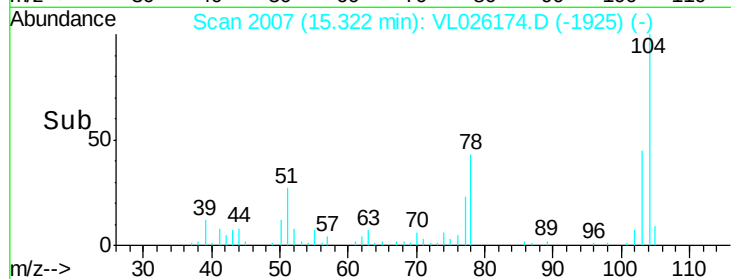
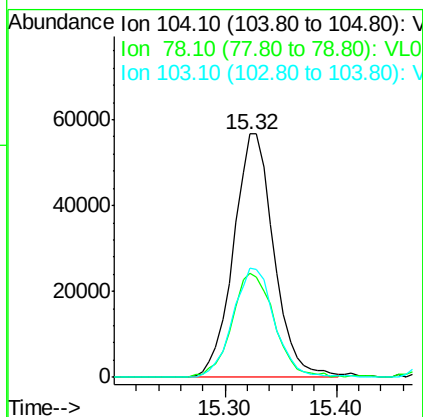
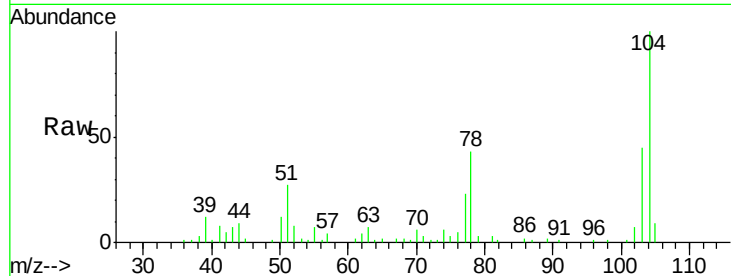
#61
Stvrene
Concen: 0.84 ppbv
RT: 15.32 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.3	36.1	54.1
103	46.3	37.5	56.3

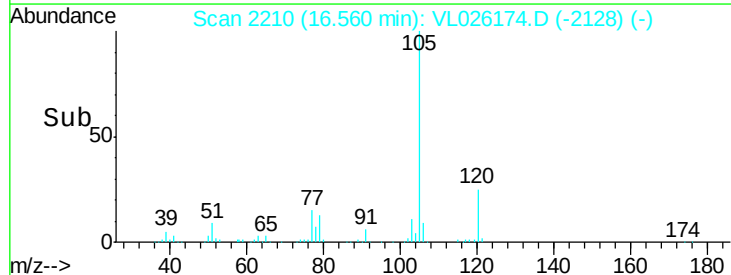
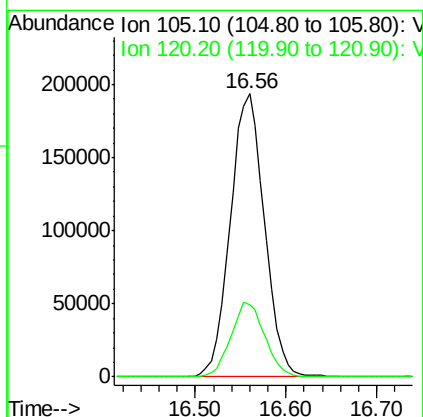
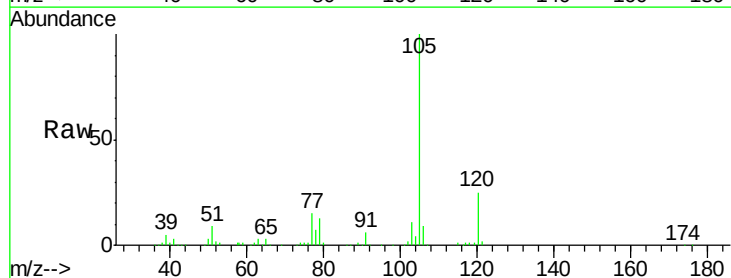
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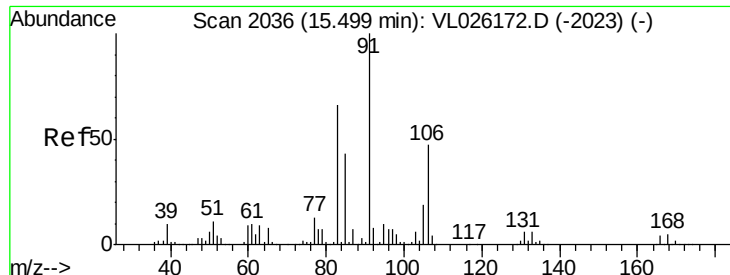
MMdadoda
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#62
Isopropylbenzene
Concen: 0.97 ppbv
RT: 16.56 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.8	32.6





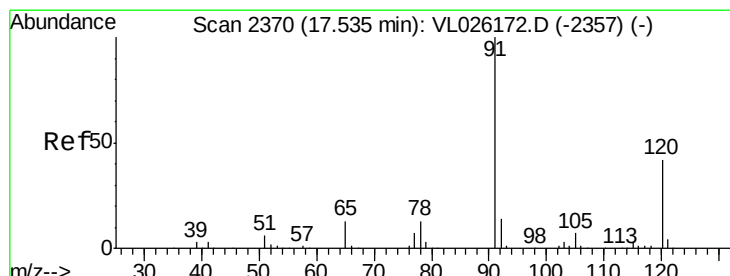
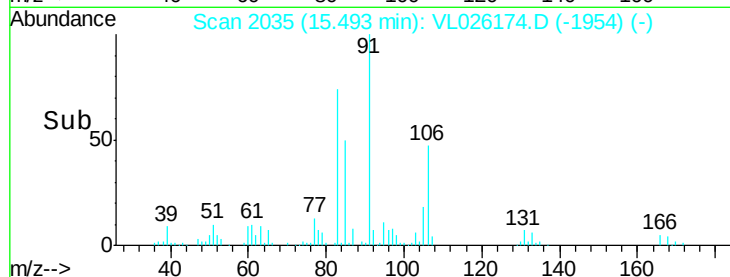
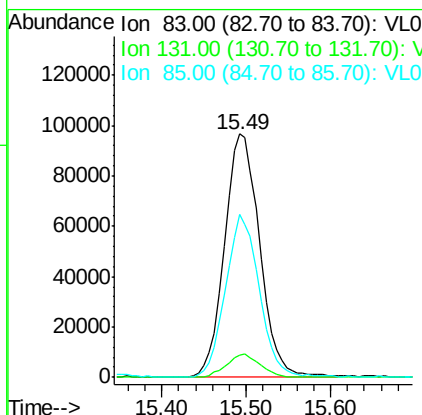
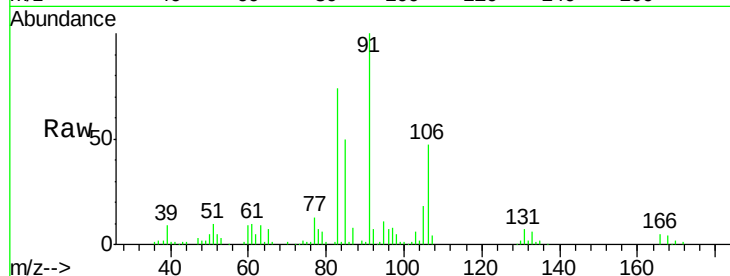
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.90 ppbv
 RT: 15.49 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	83	Resp	274879
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.7
85	64.8	32.6	97.7

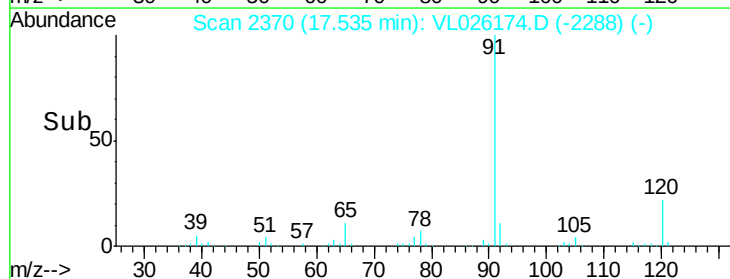
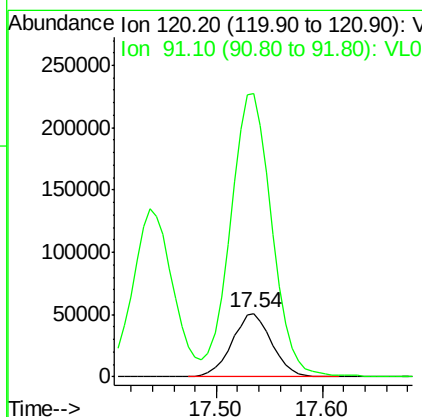
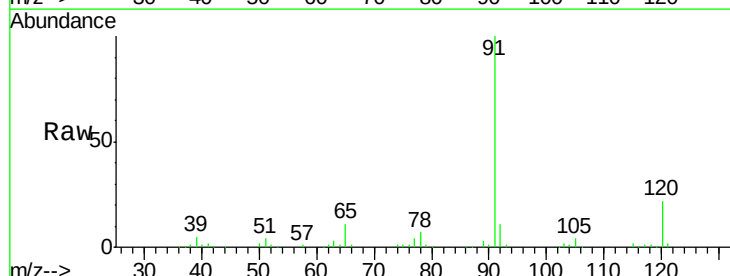
Manual Integrations
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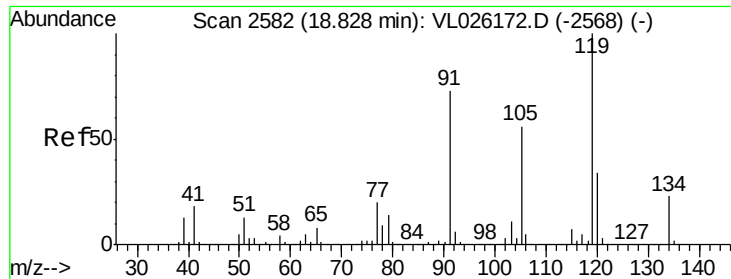
MMdadoda
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#64
 n-propylbenzene
 Concen: 0.96 ppbv
 RT: 17.54 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	120	Resp	133457
Ion	Ratio	Lower	Upper
120	100		
91	464.9	353.4	530.2





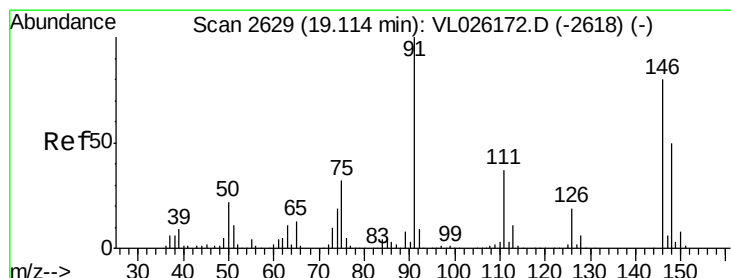
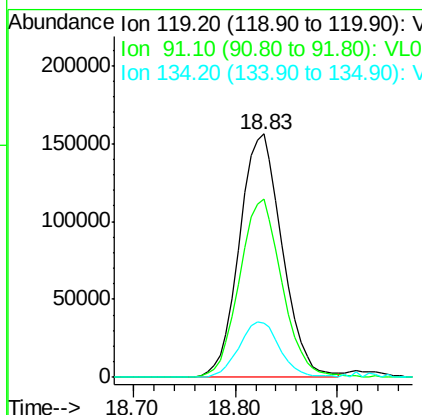
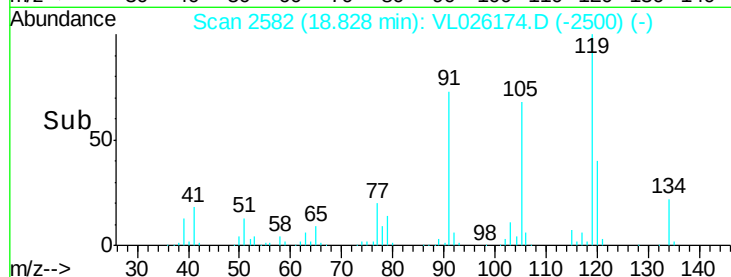
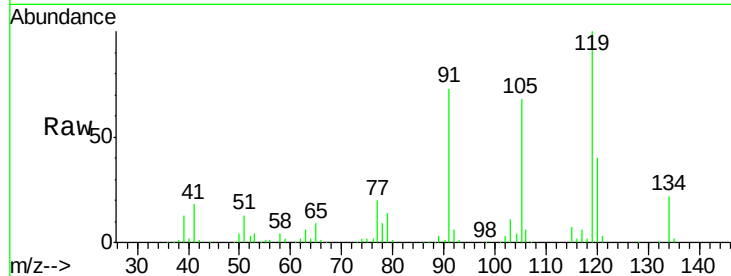
#65
 tert-Butylbenzene
 Concen: 1.00 ppbv
 RT: 18.83 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.2	58.5	87.7
134	22.7	18.0	27.0

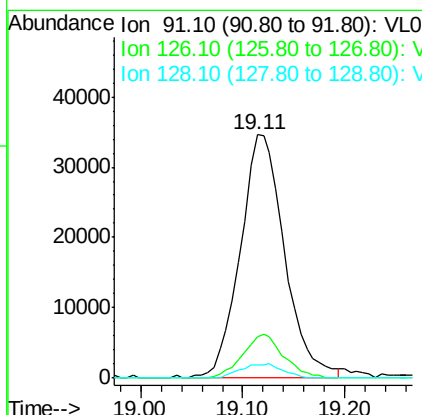
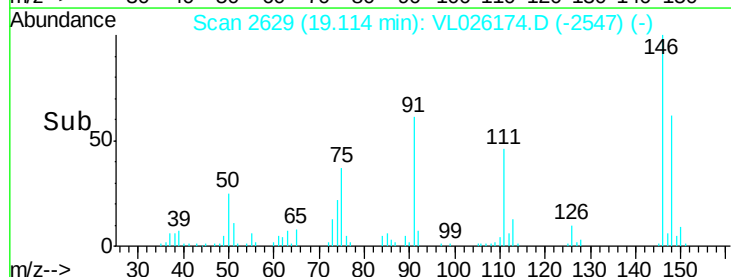
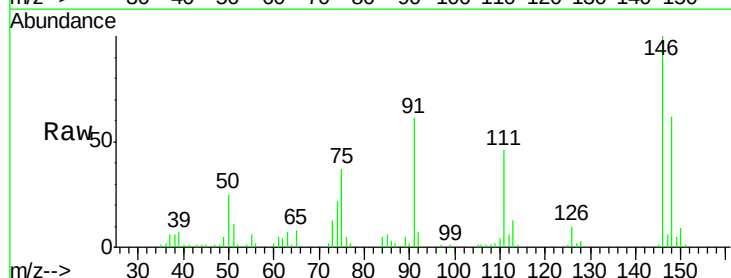
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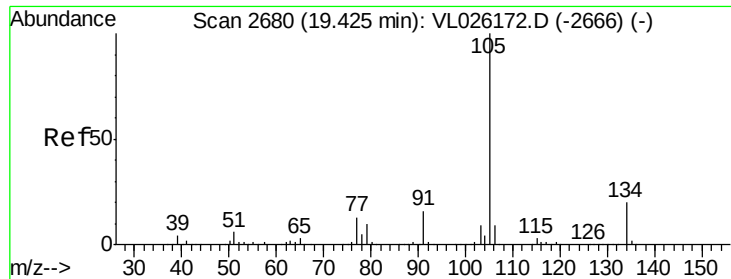
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#66
 Benzyl Chloride
 Concen: 0.84 ppbv
 RT: 19.11 min Scan# 2629
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.7	15.2	22.8
128	5.6	4.8	7.2





#67

sec-Butylbenzene

Concen: 0.96 ppbv

RT: 19.43 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 620677

Ion Ratio Lower Upper

105 100

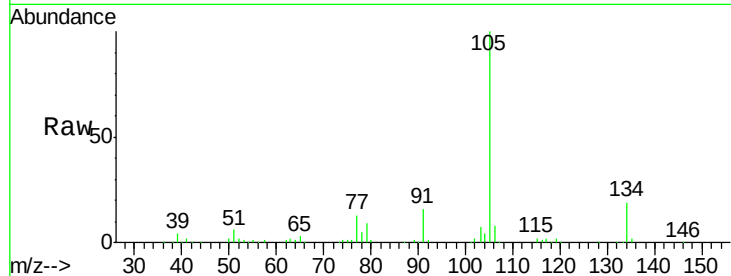
134 19.0 15.9 23.9

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

19.43

250000

200000

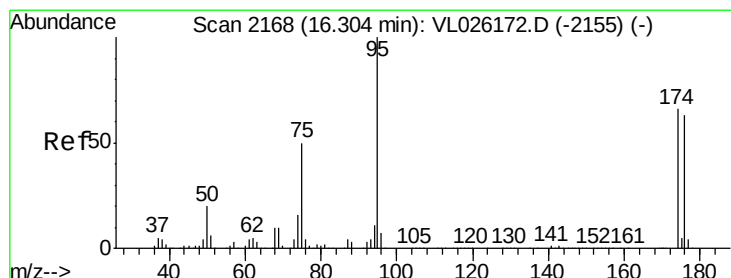
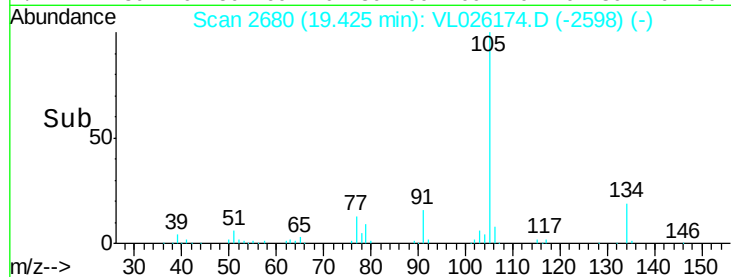
150000

100000

50000

0

Time--> 19.30 19.40 19.50



#68

1-Bromo-4-Fluorobenzene

Concen: 10.42 ppbv

RT: 16.30 min Scan# 2167

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

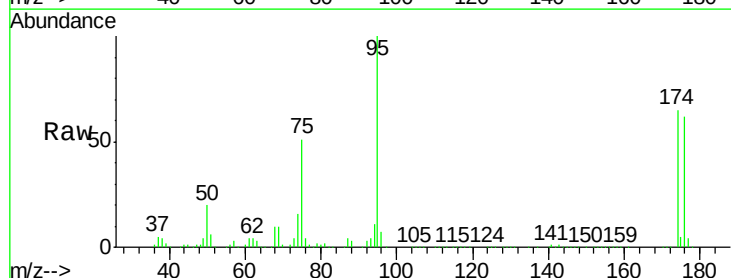
Tgt Ion: 95 Resp: 2251995

Ion Ratio Lower Upper

95 100

174 65.2 52.2 78.4

175 4.9 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

16.30

1000000

800000

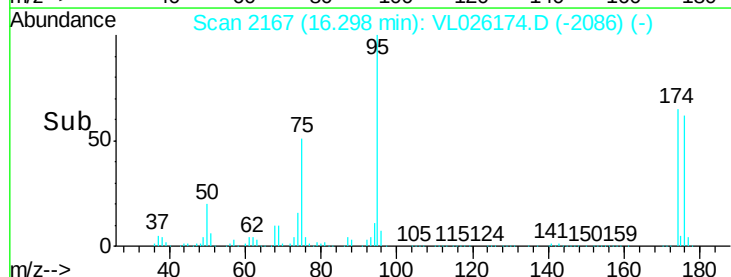
600000

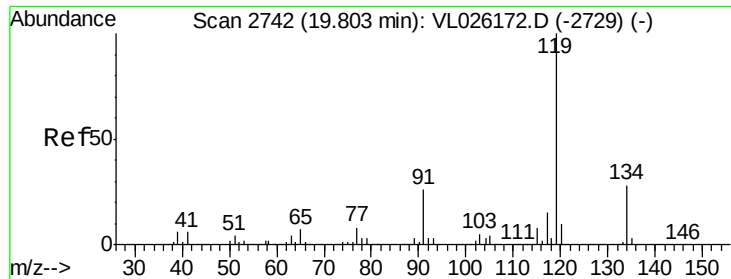
400000

200000

0

Time--> 16.20 16.30 16.40





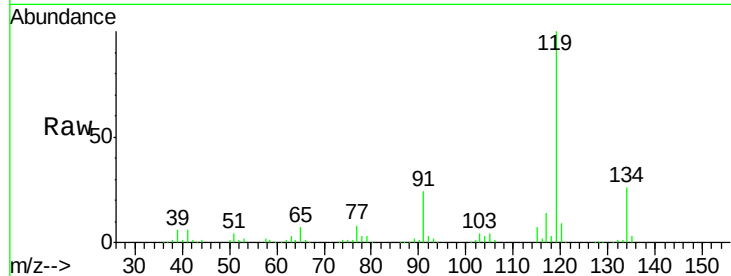
#69
 p-Isopropyltoluene
 Concen: 0.94 ppbv
 RT: 19.80 min Scan# 2742
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

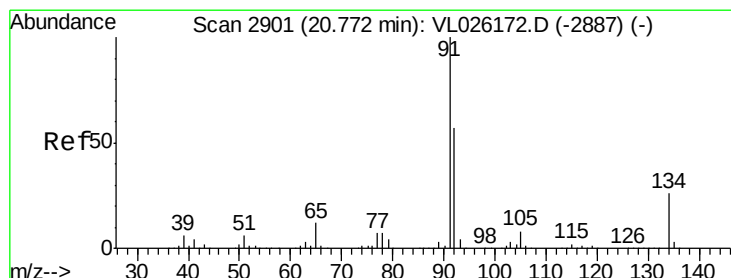
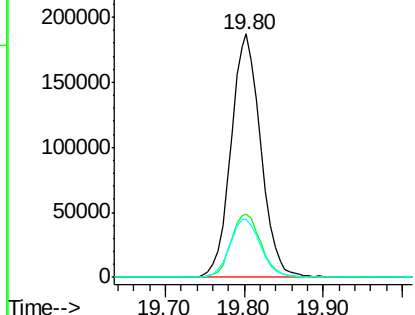
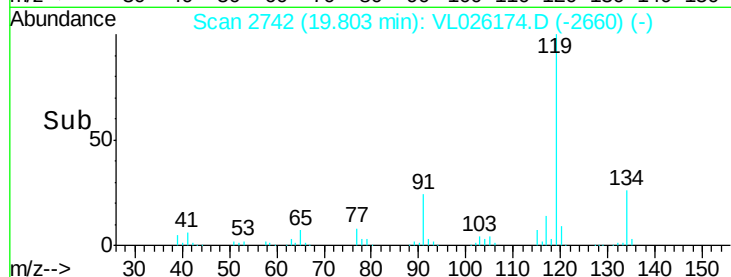
Tot Ion:	119	Resp:	490555
Ion Ratio	Lower	Upper	
119	100		
134	26.3	21.4	32.0
91	25.0	19.9	29.9

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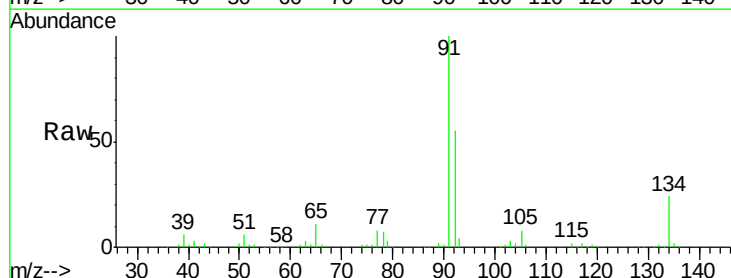


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

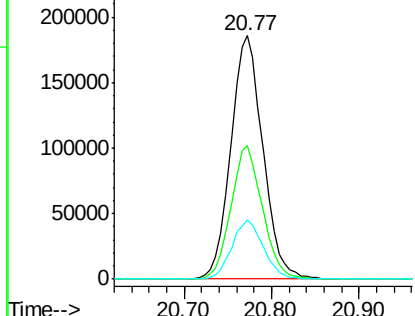
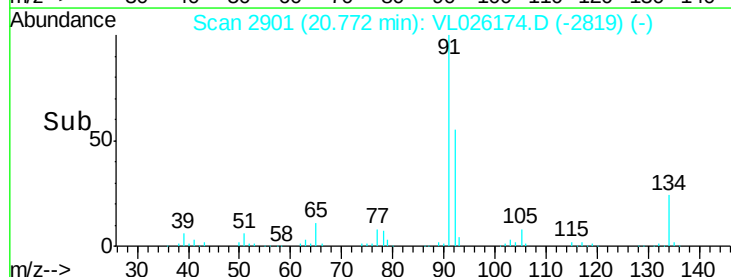


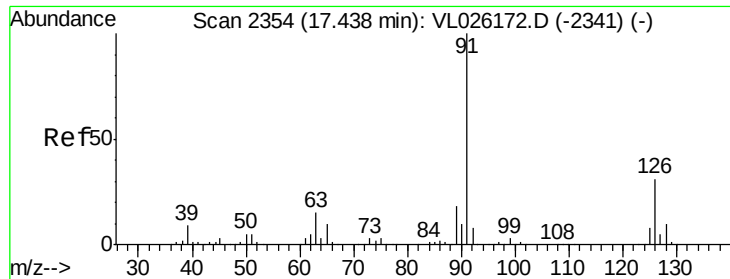
#70
 n-Butylbenzene
 Concen: 0.91 ppbv
 RT: 20.77 min Scan# 2901
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion:	91	Resp:	474122
Ion Ratio	Lower	Upper	
91	100		
92	53.6	45.0	67.6
134	23.8	19.8	29.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.91 ppbv

RT: 17.44 min Scan# 2354

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 361071

Ion Ratio Lower Upper

91 100

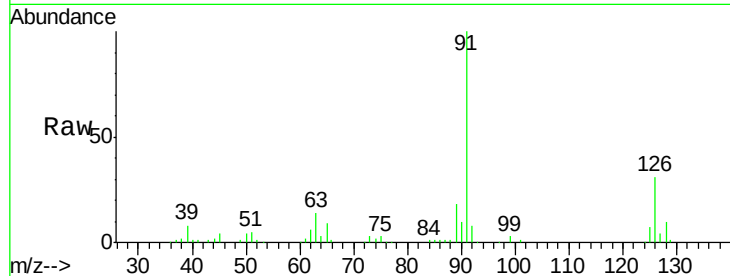
126 31.1 12.8 51.2

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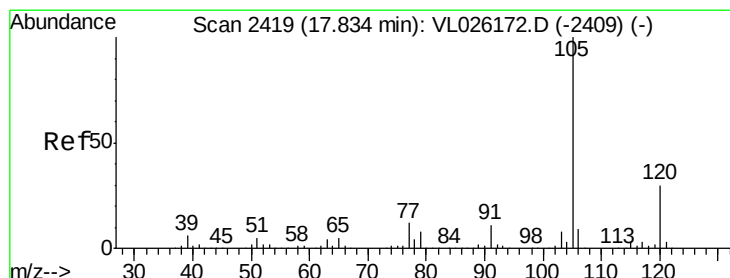
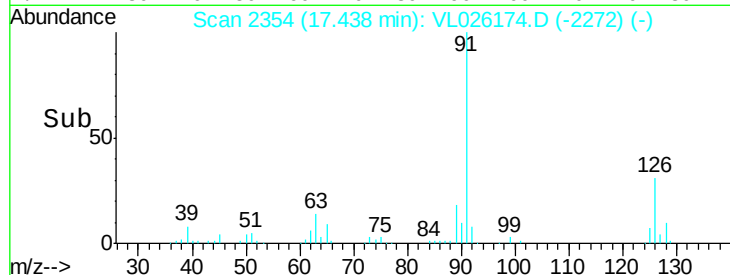
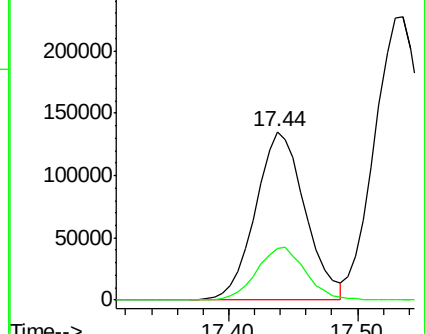
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.92 ppbv

RT: 17.83 min Scan# 2419

Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion: 105 Resp: 397829

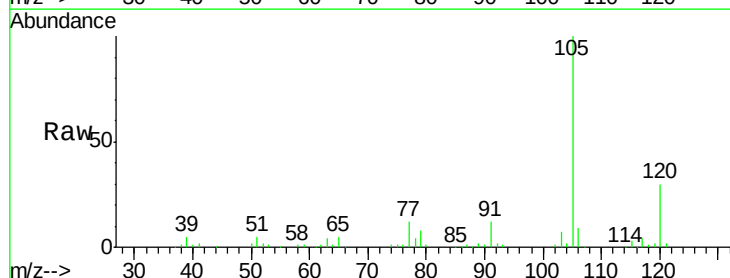
Ion Ratio Lower Upper

105 100

120 31.0 24.7 37.1

91 12.6 9.2 13.8

77 12.0 9.8 14.8

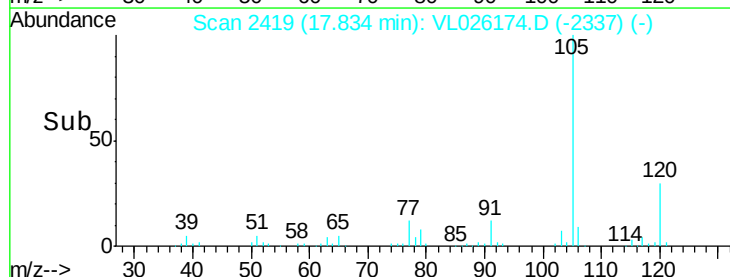
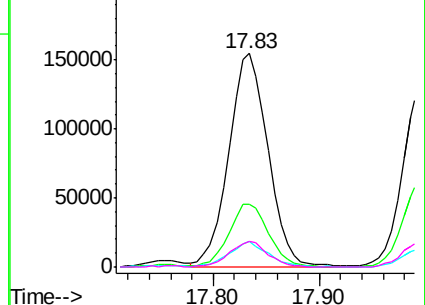


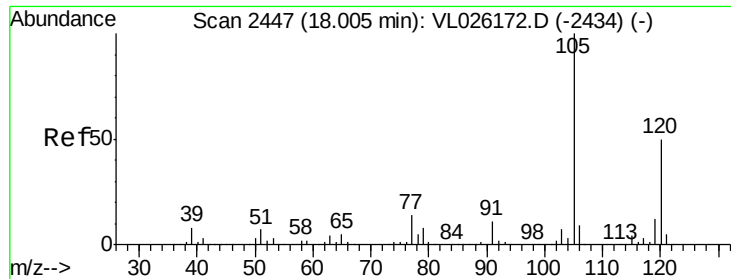
Abundance Ion 105.10 (104.80 to 105.80): V

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





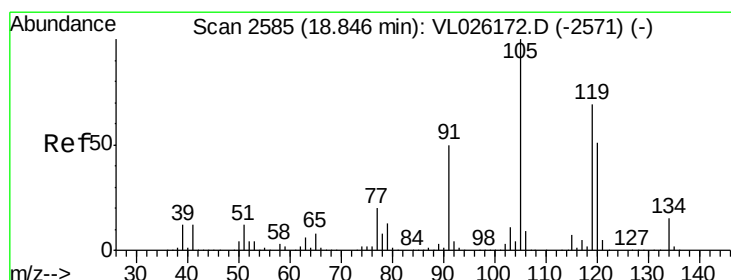
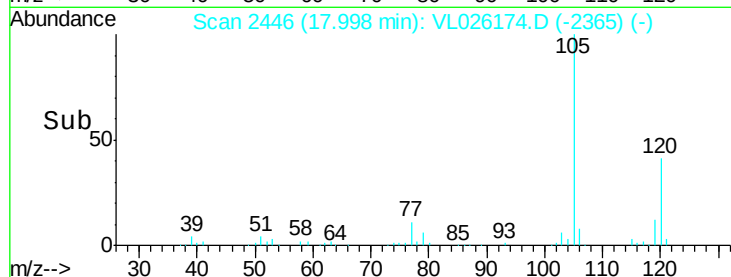
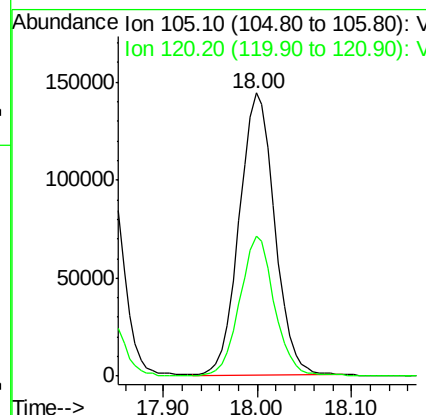
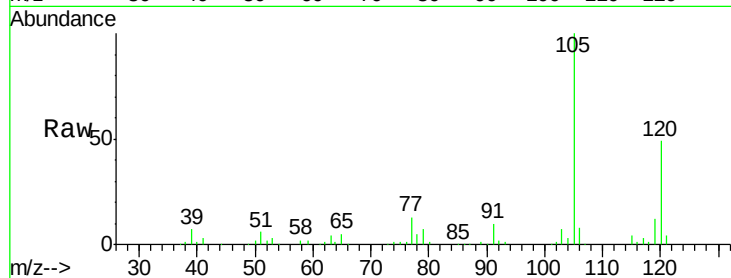
#73
 1,3,5-Trimethylbenzene
 Concen: 0.94 ppbv
 RT: 18.00 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 376968
 Ion Ratio Lower Upper
 105 100
 120 49.4 40.1 60.1

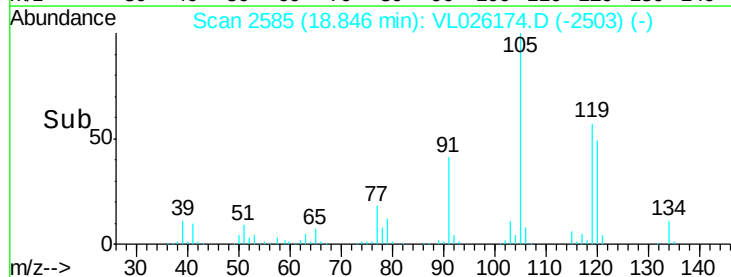
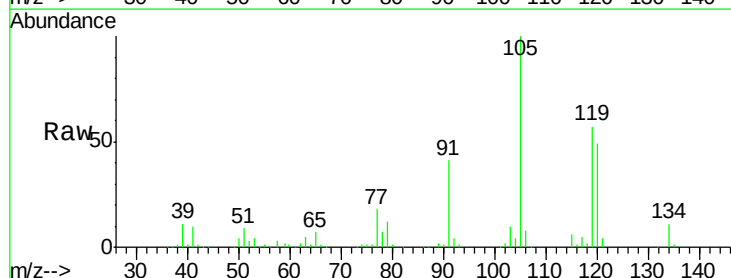
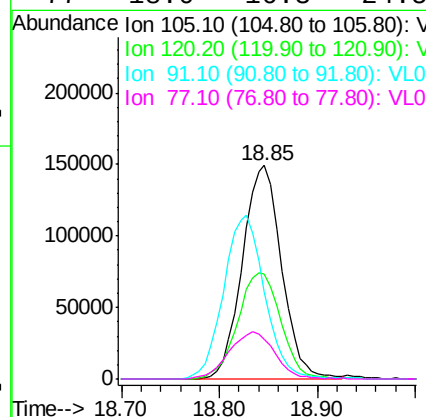
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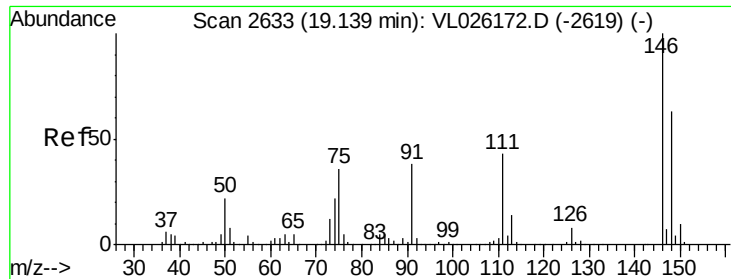
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#74
 1,2,4-Trimethylbenzene
 Concen: 0.98 ppbv
 RT: 18.85 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion:105 Resp: 415154
 Ion Ratio Lower Upper
 105 100
 120 49.0 41.1 61.7
 91 40.6 39.8 59.6
 77 18.0 16.3 24.5





#75

1,3-Dichlorobenzene

Concen: 0.97 ppbv

RT: 19.13 min Scan# 2632

Delta R.T. -0.01 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Instrument :

MSVOA_L

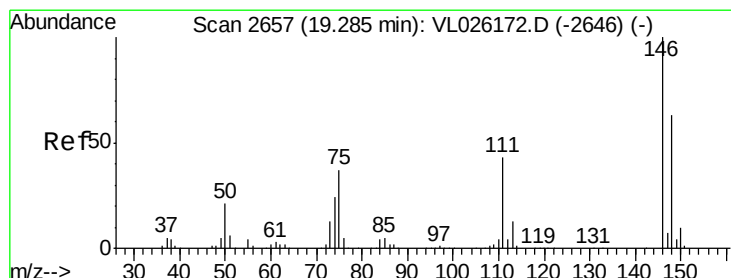
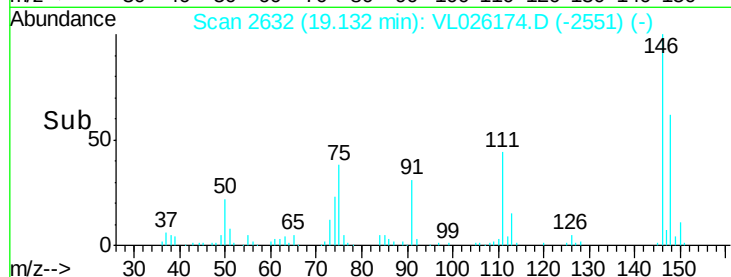
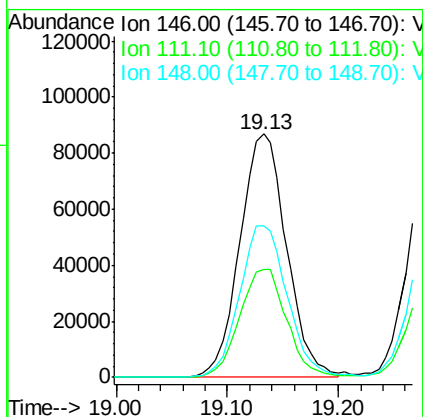
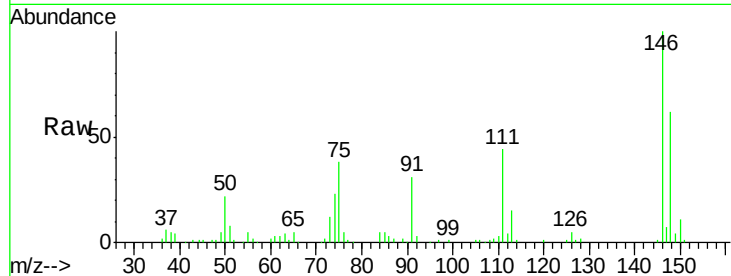
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	252982
Ion Ratio	Lower	Upper	
146	100		
111	44.9	22.1	66.3
148	64.0	31.9	95.5

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#76

1,4-Dichlorobenzene

Concen: 0.95 ppbv

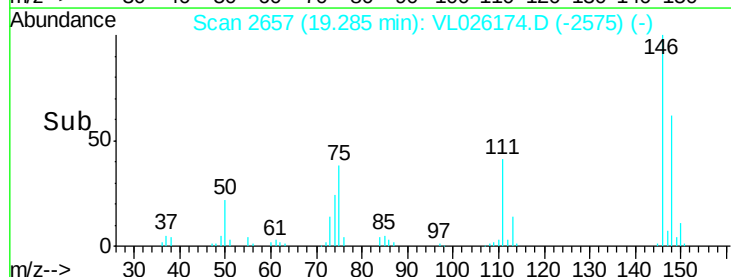
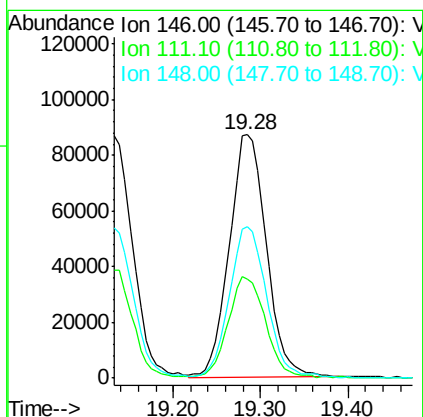
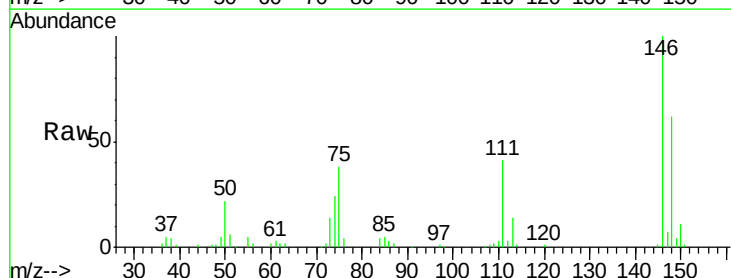
RT: 19.28 min Scan# 2657

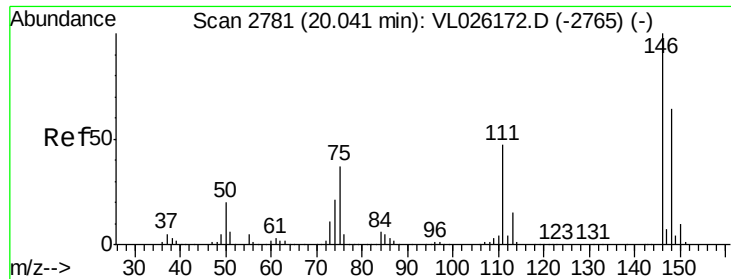
Delta R.T. -0.00 min

Lab File: VL026174.D

Acq: 9 Oct 2015 12:19

Tgt Ion:	146	Resp:	256149
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.3	63.9
148	63.5	31.6	94.8





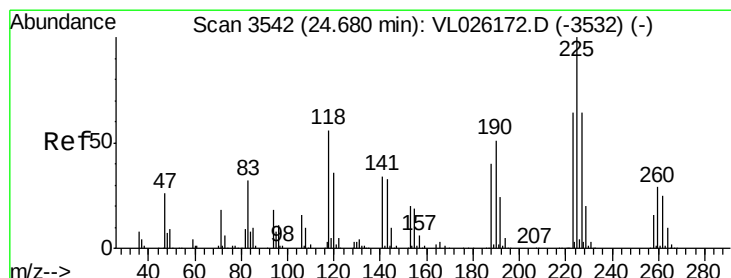
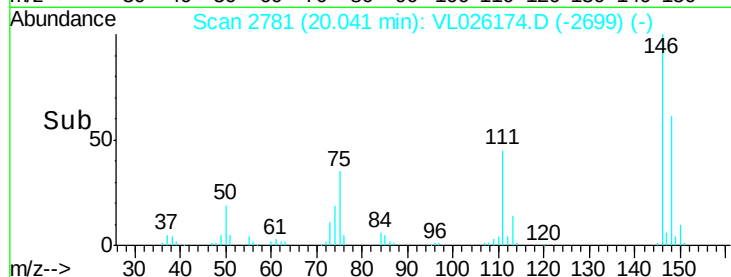
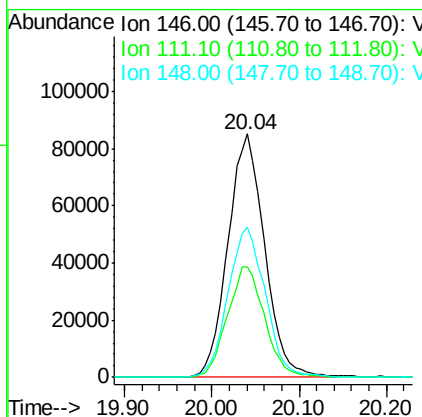
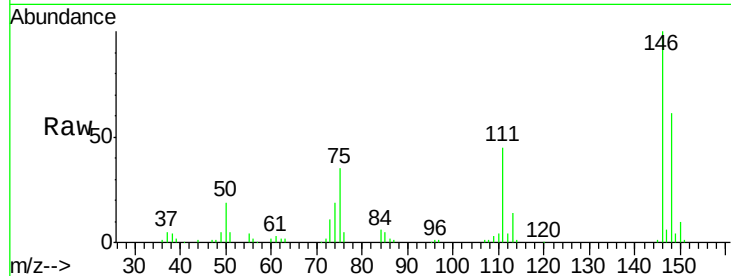
#77
 1,2-Dichlorobenzene
 Concen: 0.95 ppbv
 RT: 20.04 min Scan# 2781
 Delta R.T. -0.00 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	23.0	69.0
148	63.0	31.8	95.3

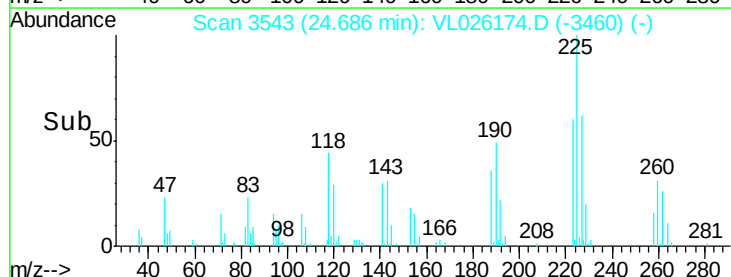
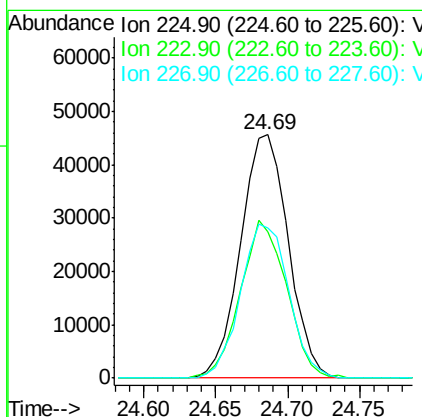
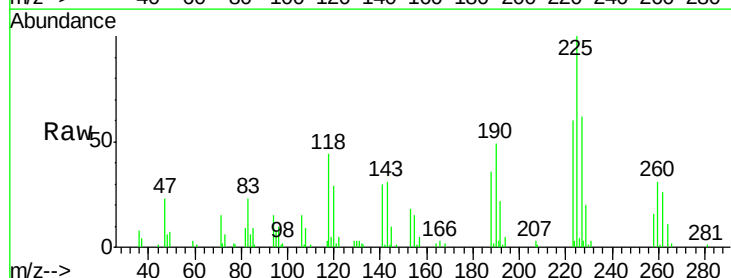
Manual Integrations
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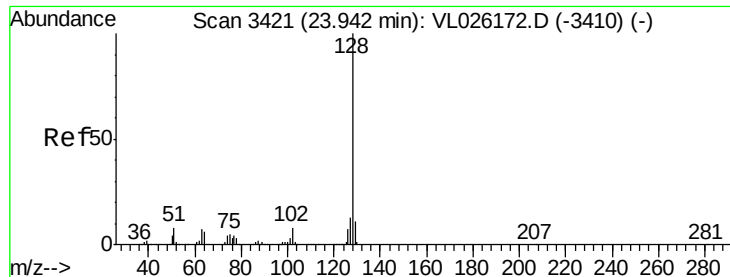
MMdadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.00 ppbv
 RT: 24.69 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.1	76.7
227	64.0	50.8	76.2





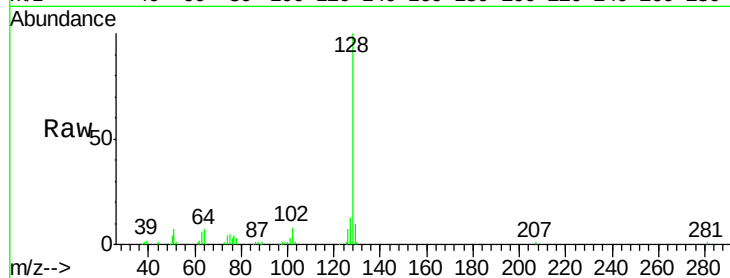
#79
Naphthalene
Concen: 0.73 ppbv
RT: 23.95 min Scan# 3422
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

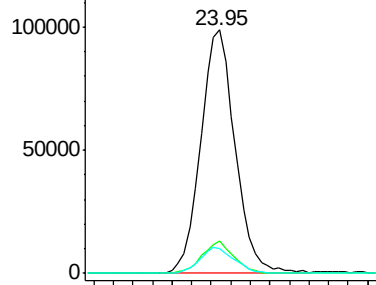
Tot Ion	Ratio	Resp	Lower	Upper
128	100	240698		
127	13.3		10.2	15.2
129	10.0		8.7	13.1

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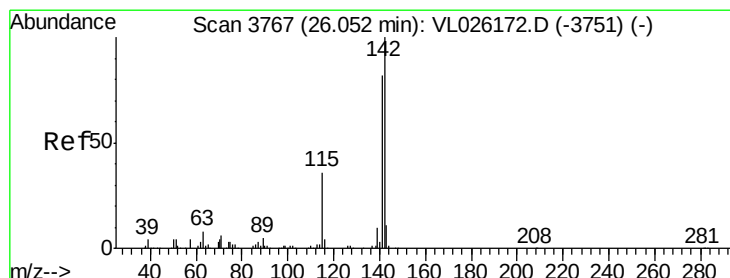
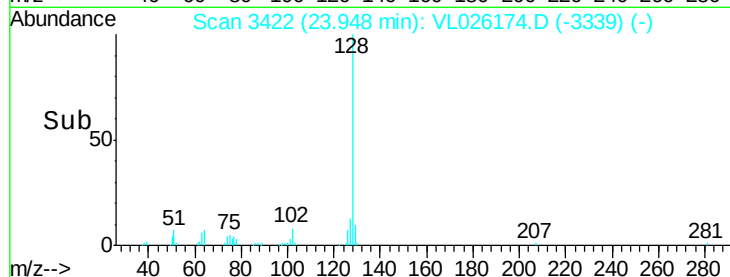
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

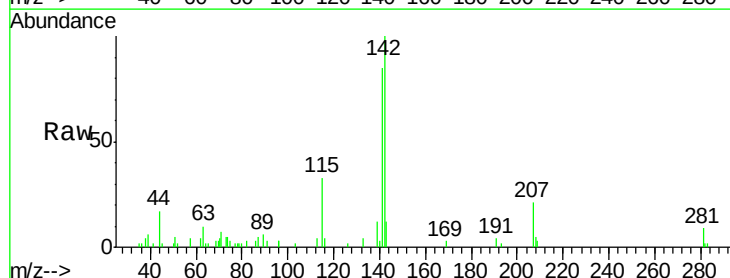


Time-->

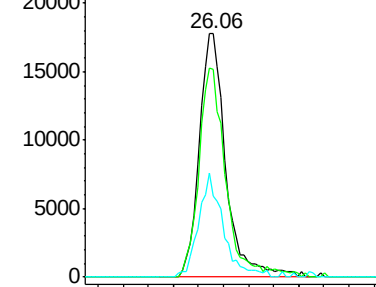


#80
Naphthalene, 2-methyl-
Concen: 0.68 ppbv
RT: 26.06 min Scan# 3769
Delta R.T. 0.01 min
Lab File: VL026174.D
Acq: 9 Oct 2015 12:19

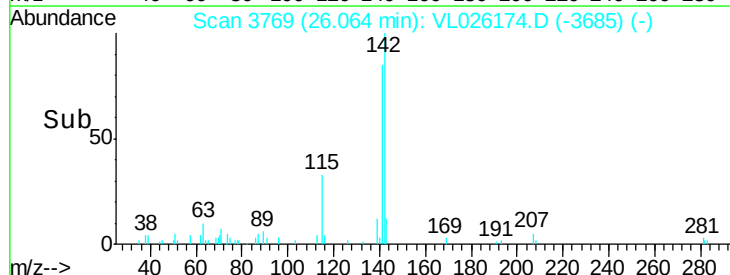
Tgt Ion	Ratio	Resp	Lower	Upper
142	100	52062		
141	87.3		66.6	99.8
115	39.8		28.4	42.6

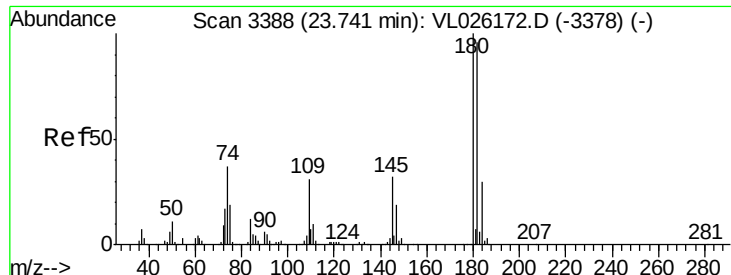


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 0.77 ppbv
 RT: 23.75 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL026174.D
 Acq: 9 Oct 2015 12:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122201		
182	96.9		76.4	114.6
184	30.0		24.0	36.0

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