

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026217.D
 Acq On : 20 Oct 2015 21:49
 Operator : SY/MD
 Sample : VL1020ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:31:52 PM

Quant Time: Oct 21 04:11:52 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Oct 20 2015
 QLast Update : Tue Oct 20 20:24:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	522820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.31	114	1646487	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.73	117	2021290m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.26	95	1563230	10.03	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.63	85	1159091	10.70	ppbv	99
3) Chlorodifluoromethane	3.56	51	632607	9.56	ppbv	100
4) Chloromethane	3.73	50	364542	10.21	ppbv	99
5) Vinyl Chloride	3.87	62	383769	10.21	ppbv	99
6) Bromomethane	4.13	94	278280	10.31	ppbv	99
7) Chloroethane	4.22	64	165117	10.47	ppbv	99
8) Dichlorotetrafluoroethane	3.79	85	939660	10.09	ppbv	100
9) Propene	3.58	41	303522	9.80	ppbv	100
10) Heptane	9.34	43	1027896	9.91	ppbv	99
11) Trichlorofluoromethane	4.68	101	1111901	10.46	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.29	101	747829	10.31	ppbv	100
13) Ethanol	4.31	45	46727	10.05	ppbv	98
14) Bromoethene	4.43	108	314015	10.26	ppbv	99
15) Acetone	4.59	43	662193	8.60	ppbv	100
16) 1,3-Butadiene	3.95	39	348334	10.15	ppbv	99
17) tert-Butyl alcohol	5.11	59	493878	9.39	ppbv	94
18) 1,1-Dichloroethene	5.07	96	347234	10.60	ppbv	99
19) Isopropyl Alcohol	4.74	45	331448	11.02	ppbv	94
20) Methylene Chloride	5.13	84	308299	10.04	ppbv	99
21) Allyl Chloride	5.21	41	525314	10.45	ppbv	99
22) trans-1,2-Dichloroethene	5.74	96	427673	10.12	ppbv	99
23) Vinyl Acetate	5.96	43	1420327	10.01	ppbv	99
24) 1,1-Dichloroethane	5.89	63	889668	9.94	ppbv	100
25) Ethyl Acetate	6.65	43	1413956	9.80	ppbv	100
26) Hexane	6.64	57	697503	9.67	ppbv	99
27) Carbon Disulfide	5.37	76	967207	10.49	ppbv	100
28) Methyl tert-Butyl Ether	5.93	73	1299269	9.91	ppbv	100
29) Chloroform	6.73	83	1056737	10.10	ppbv	100
30) Cyclohexane	8.26	84	716072	9.93	ppbv	99
31) cis-1,2-Dichloroethene	6.50	61	660694	10.09	ppbv	98
32) 1,1,1-Trichloroethane	7.58	97	1153823	9.94	ppbv	100
34) 2-Butanone	6.18	43	866265	9.31	ppbv	99
35) Carbon Tetrachloride	8.14	117	1210920	9.65	ppbv	98
36) Benzene	8.01	78	1596677	9.52	ppbv	99
37) 1,2-Dichloroethane	7.35	62	854313	9.91	ppbv	100
38) Trichloroethene	9.04	130	677468	8.33	ppbv	99
39) 1,2-Dichloropropane	8.81	63	564298	9.57	ppbv	98
40) 1,4-Dioxane	9.10	88	154840	13.97	ppbv	92
41) Tetrahydrofuran	7.10	42	513502	9.53	ppbv	100
42) Bromodichloromethane	9.01	83	1235315	9.97	ppbv	99
43) Methyl Methacrylate	9.24	69	611966	10.03	ppbv	97

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Quant Time: Oct 21 04:11:52 2015
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.07	57	2527884	9.31	ppbv	99
45) t-1,3-Dichloropropene	10.63	75	974017	10.23	ppbv	99
46) cis-1,3-Dichloropropene	10.00	75	1095872	9.83	ppbv	99
47) 1,1,2-Trichloroethane	10.86	97	721365	9.73	ppbv	99
48) Dibromochloromethane	11.78	129	1198231	9.92	ppbv	100
49) Bromoform	14.79	173	1033621	10.14	ppbv	100
50) 4-Methyl-2-Pentanone	10.07	43	1244937	9.91	ppbv	99
51) 2-Hexanone	11.60	43	1196107	10.19	ppbv #	100
52) Tetrachloroethene	12.77	164	749627	7.79	ppbv	99
53) Toluene	11.21	91	2148766	9.42	ppbv	99
54) 1,2-Dibromoethane	12.12	107	1109388	9.67	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.76	131	869394	8.97	ppbv	99
57) Chlorobenzene	13.79	112	1805428	9.33	ppbv	99
58) Ethyl Benzene	14.39	91	3126820	9.55	ppbv	100
59) m/p-Xylene	14.69	91	4787980	18.67	ppbv	100
60) o-Xylene	15.47	91	2457958	9.17	ppbv	100
61) Styrene	15.29	104	1242257	10.24	ppbv	100
62) Isopropylbenzene	16.52	105	3506072	9.40	ppbv	100
63) 1,1,2,2-Tetrachloroethane	15.46	83	1577546	8.90	ppbv	100
64) n-propylbenzene	17.49	120	980125	9.56	ppbv	97
65) tert-Butylbenzene	18.79	119	3064152	9.00	ppbv	100
66) Benzyl Chloride	19.08	91	1398840	9.95	ppbv	100
67) sec-Butylbenzene	19.38	105	4398157	9.27	ppbv	100
69) p-Isopropyltoluene	19.76	119	3688760	9.29	ppbv	100
70) n-Butylbenzene	20.73	91	3406668	9.39	ppbv	100
71) 2-Chlorotoluene	17.40	91	2627191	9.57	ppbv	100
72) 4-Ethyltoluene	17.80	105	3006647	9.64	ppbv	100
73) 1,3,5-Trimethylbenzene	17.96	105	2773522	9.54	ppbv	99
74) 1,2,4-Trimethylbenzene	18.81	105	2701715	8.96	ppbv	98
75) 1,3-Dichlorobenzene	19.10	146	1824935	9.26	ppbv	100
76) 1,4-Dichlorobenzene	19.25	146	1921276	9.34	ppbv	100
77) 1,2-Dichlorobenzene	20.00	146	1859854	9.36	ppbv	100
78) Hexachloro-1,3-Butadiene	24.65	225	819373	8.04	ppbv	99
79) Naphthalene	23.91	128	2467709	9.29	ppbv	100
80) Naphthalene, 2-methyl-	26.02	142	453755	9.51	ppbv	97
81) 1,2,4-Trichlorobenzene	23.71	180	1127983	8.82	ppbv	100

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

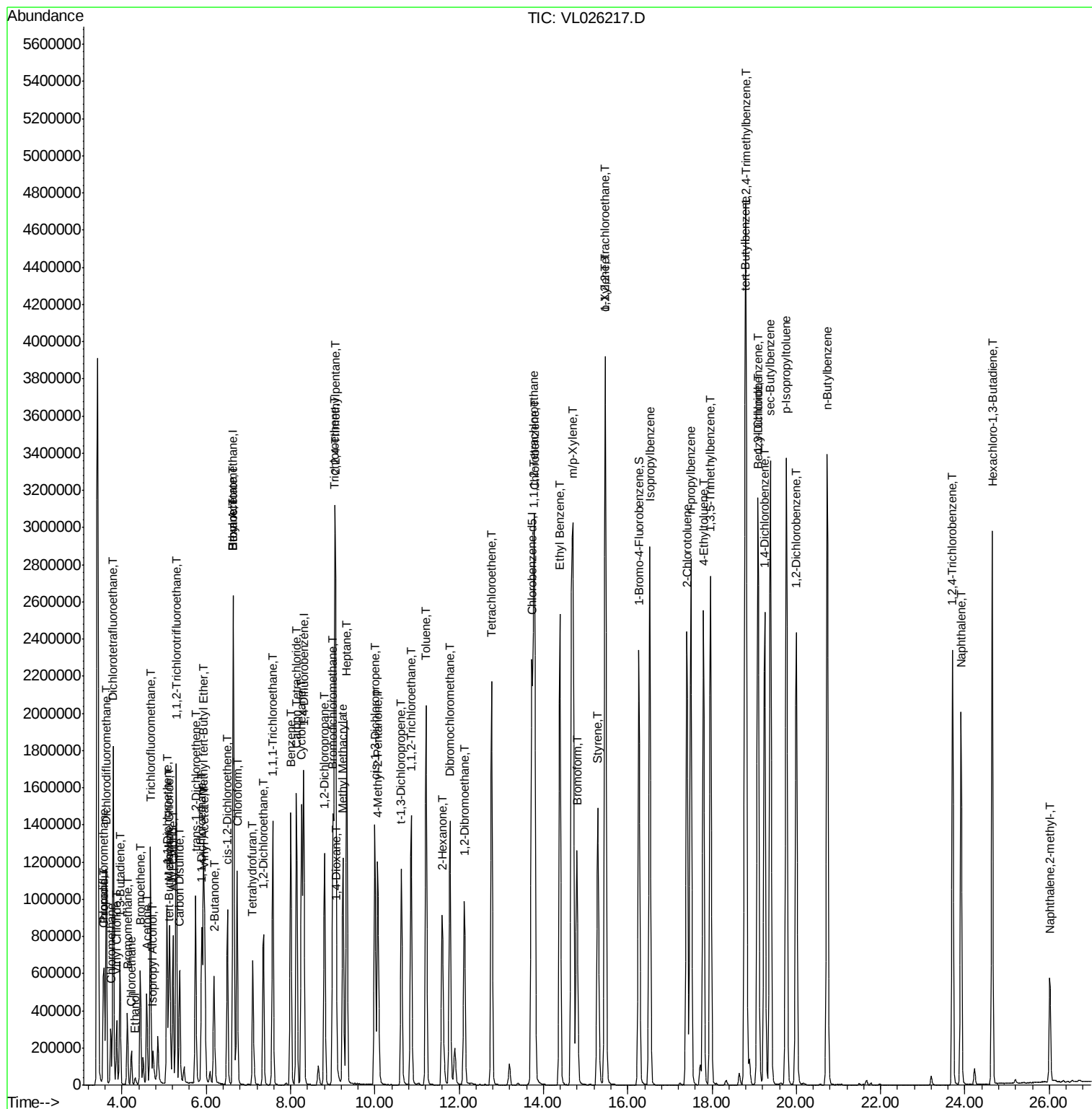
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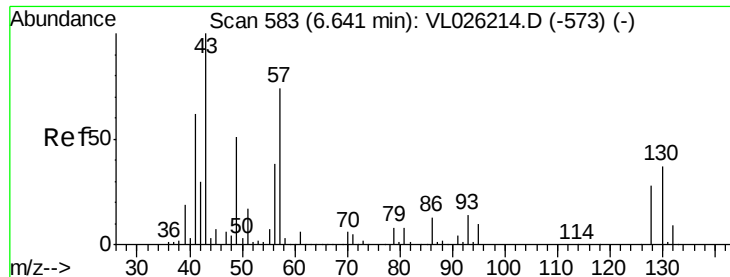
Instrument :
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QLast Update : Tue Oct 20 20:24:48 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 582

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

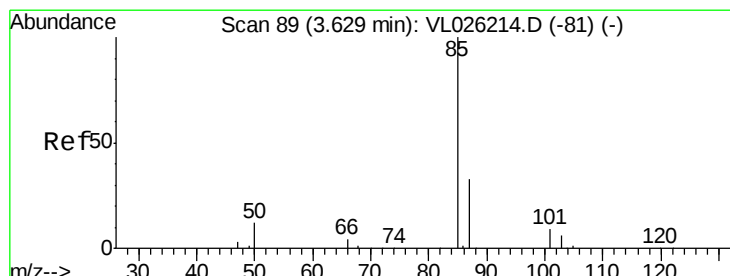
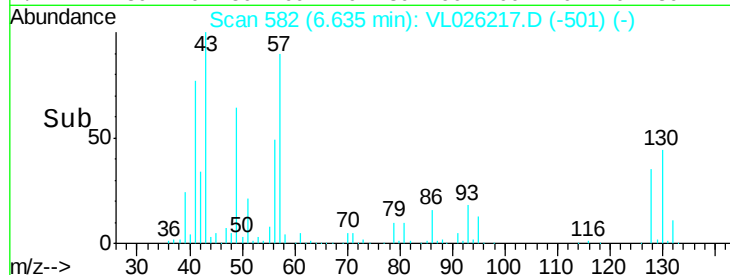
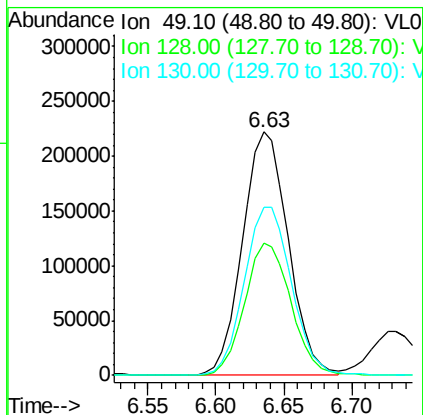
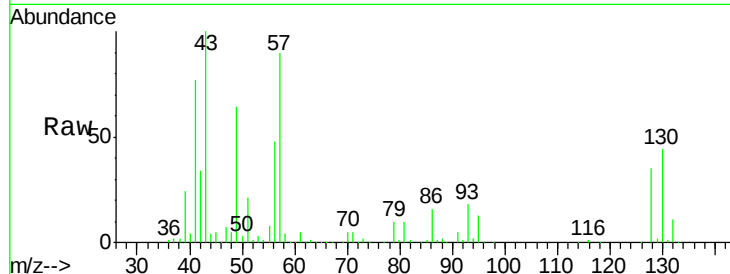
ClientSampleId :

VL1020ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	55.3	28.2	84.7
130	71.9	36.0	108.1

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.70 ppbv

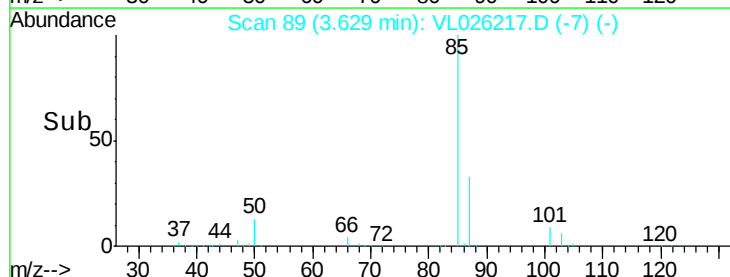
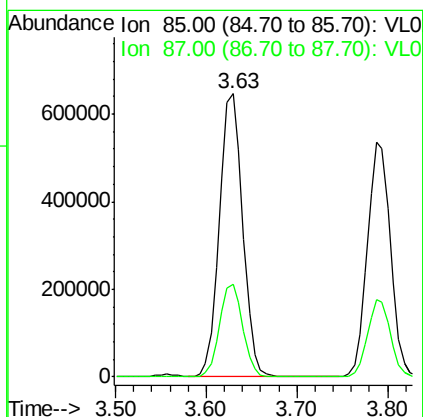
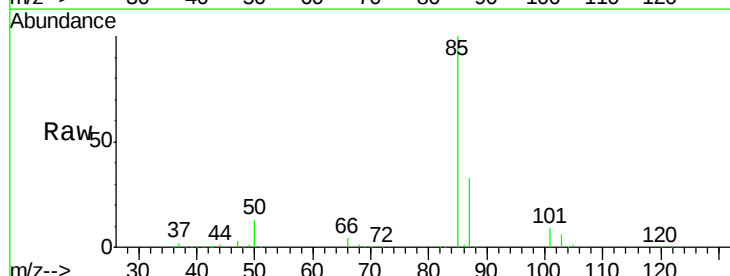
RT: 3.63 min Scan# 89

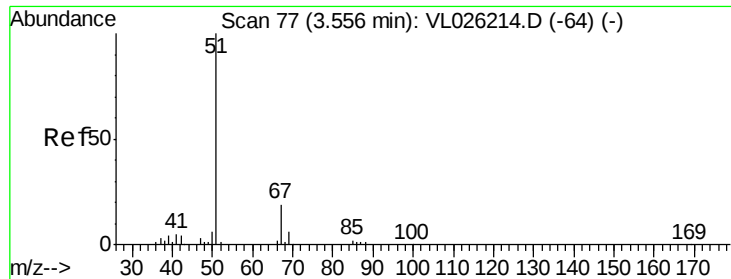
Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.1	39.1





#3

Chlorodifluoromethane

Concen: 9.56 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 51 Resp: 632607

Ion Ratio Lower Upper

51 100

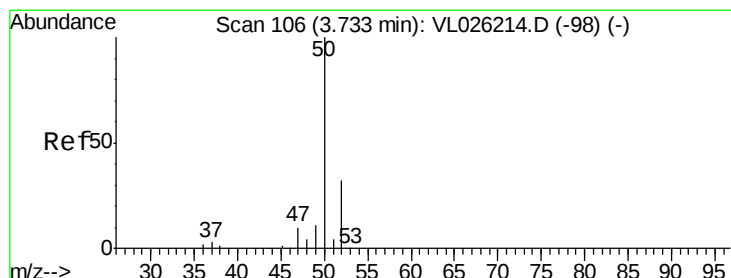
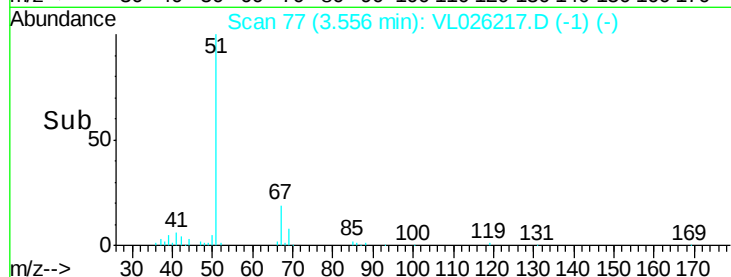
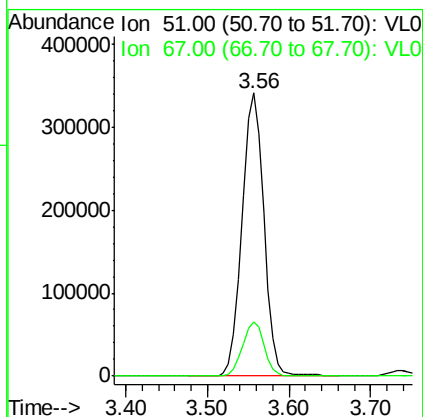
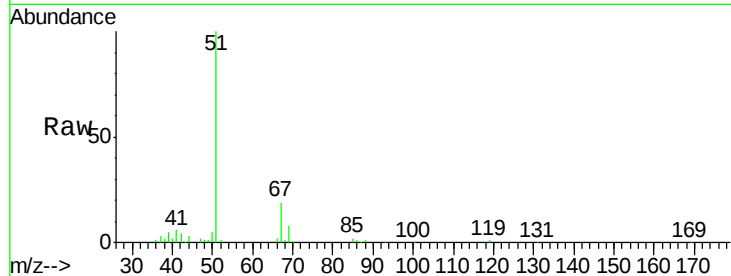
67 19.2 15.3 22.9

Manual Integrations

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#4

Chloromethane

Concen: 10.21 ppbv

RT: 3.73 min Scan# 106

Delta R.T. 0.00 min

Lab File: VL026217.D

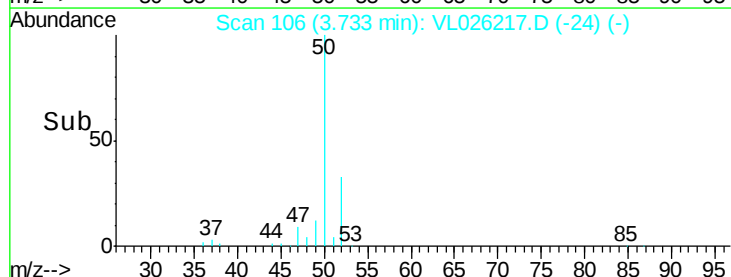
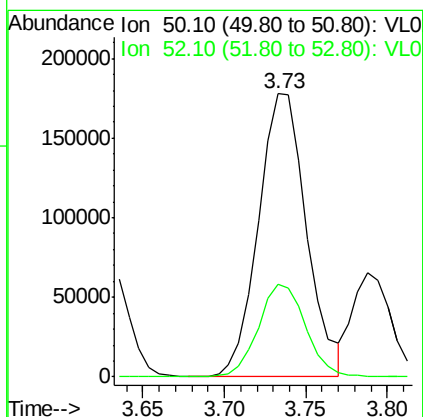
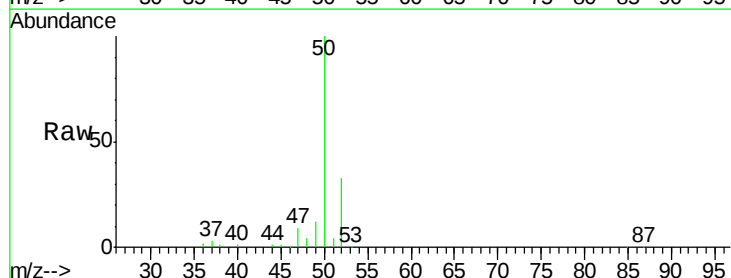
Acq: 20 Oct 2015 21:49

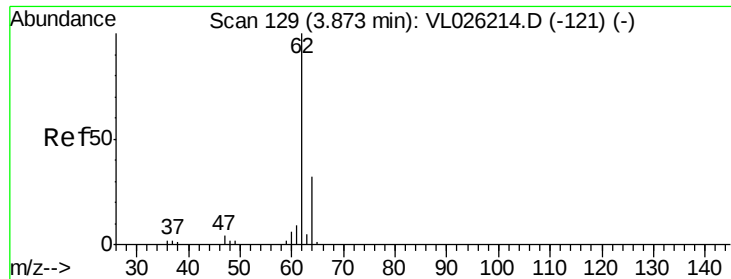
Tgt Ion: 50 Resp: 364542

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6





#5

Vinyl Chloride

Concen: 10.21 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 62 Resp: 383769

Ion Ratio Lower Upper

62 100

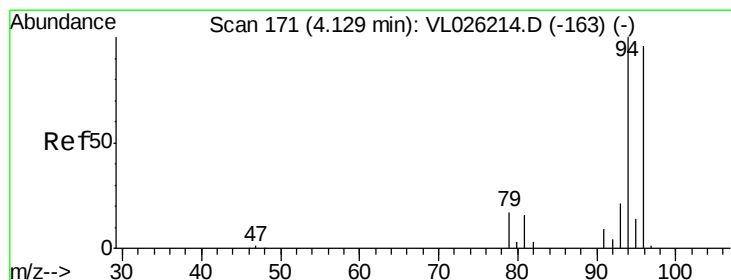
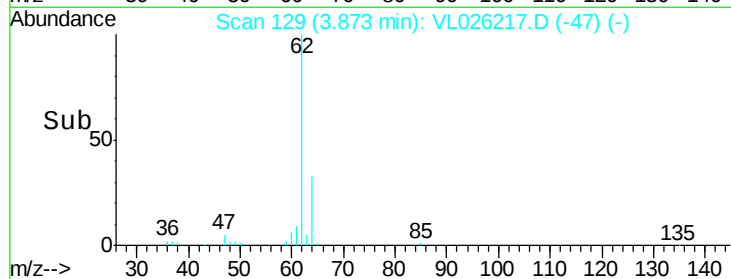
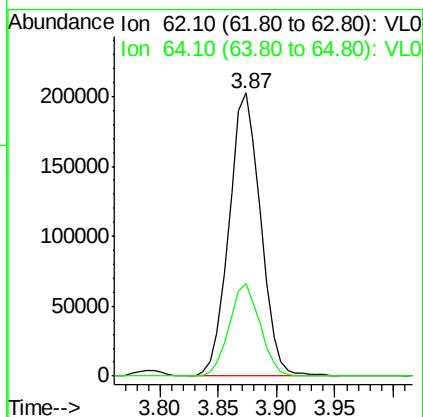
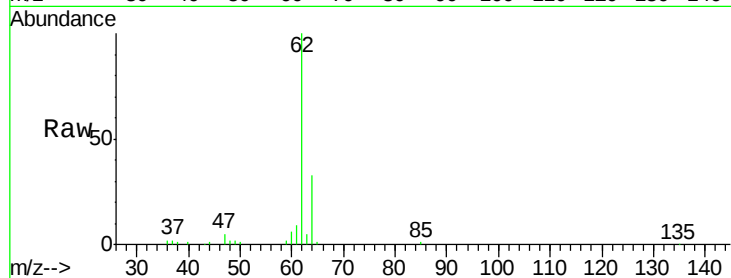
64 32.8 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 10.31 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.00 min

Lab File: VL026217.D

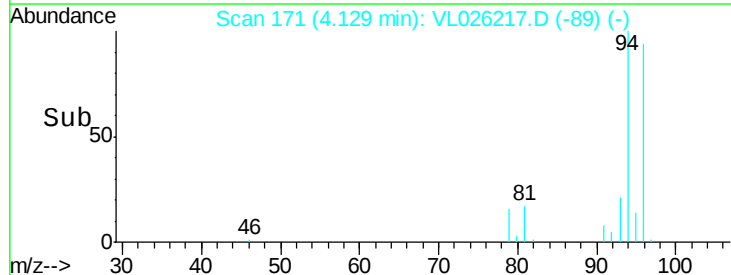
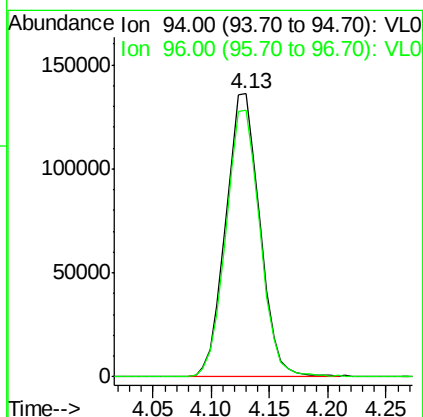
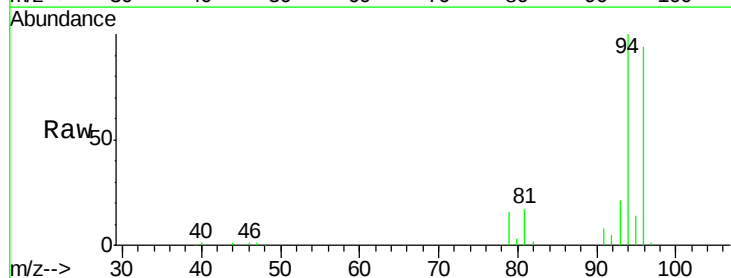
Acq: 20 Oct 2015 21:49

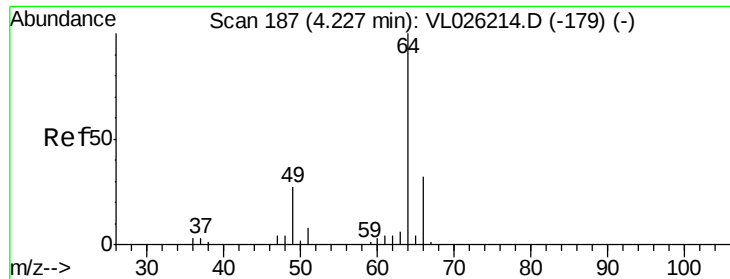
Tgt Ion: 94 Resp: 278280

Ion Ratio Lower Upper

94 100

96 94.1 76.5 114.7





#7

Chloroethane

Concen: 10.47 ppbv

RT: 4.22 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 64 Resp: 165117

Ion Ratio Lower Upper

64 100

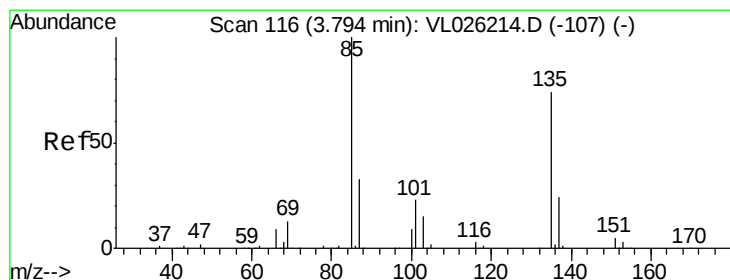
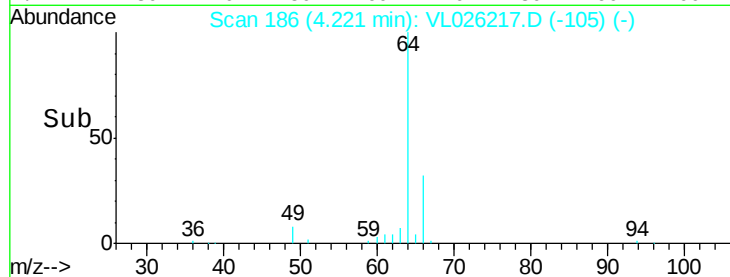
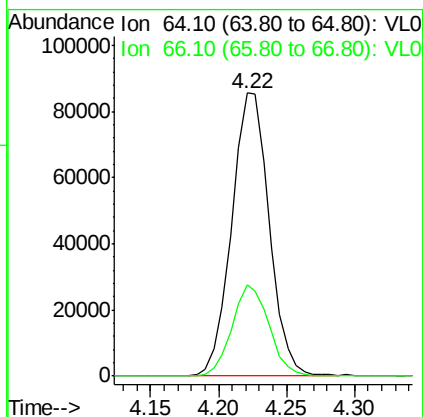
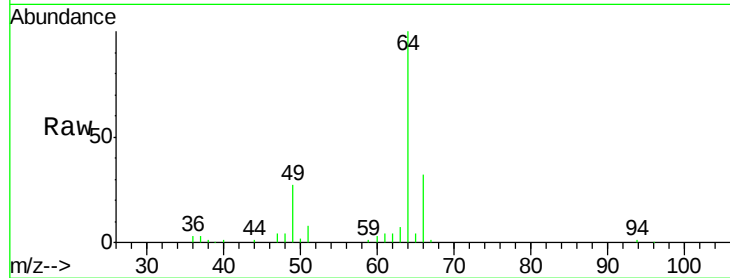
66 32.1 25.4 38.0

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.09 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.01 min

Lab File: VL026217.D

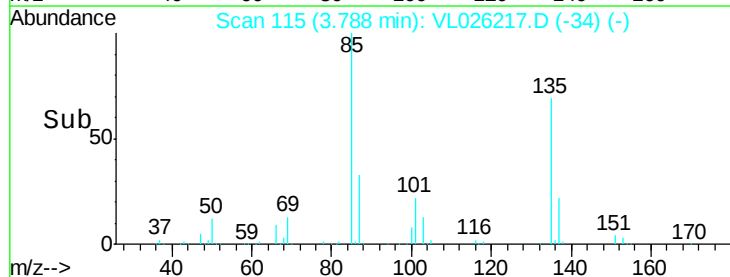
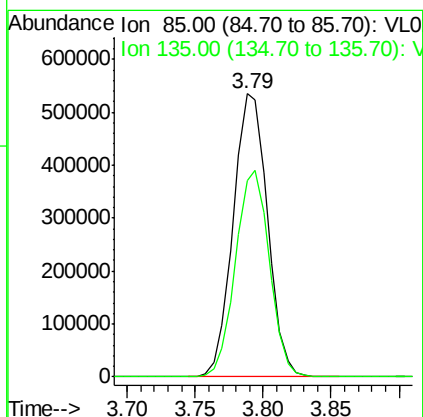
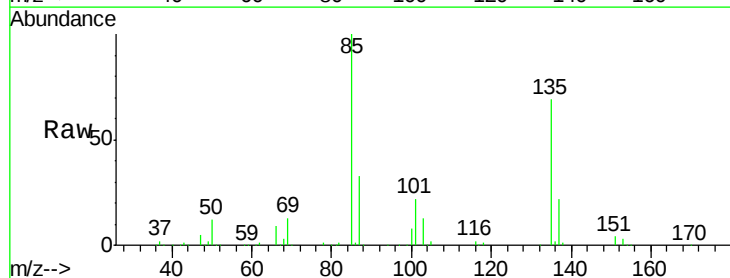
Acq: 20 Oct 2015 21:49

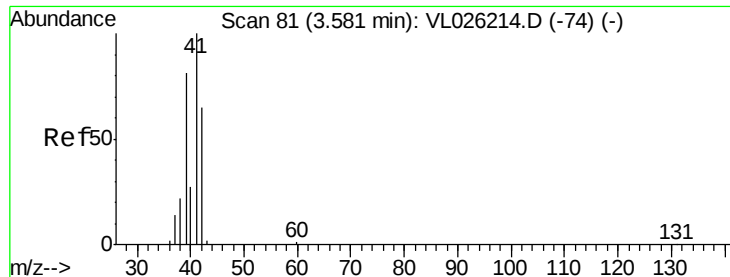
Tgt Ion: 85 Resp: 939660

Ion Ratio Lower Upper

85 100

135 72.7 57.8 86.8





#9

Propene

Concen: 9.80 ppbv

RT: 3.58 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 41 Resp: 303522

Ion Ratio Lower Upper

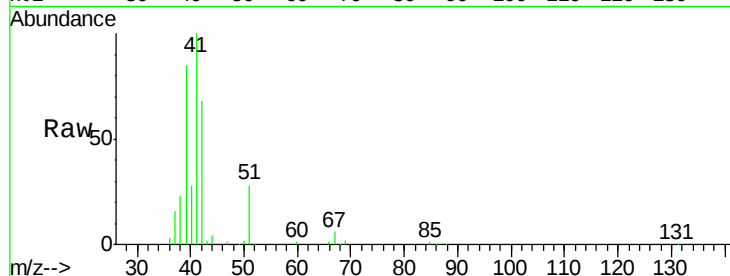
41 100

42 67.2 53.8 80.8

Manual Integrations
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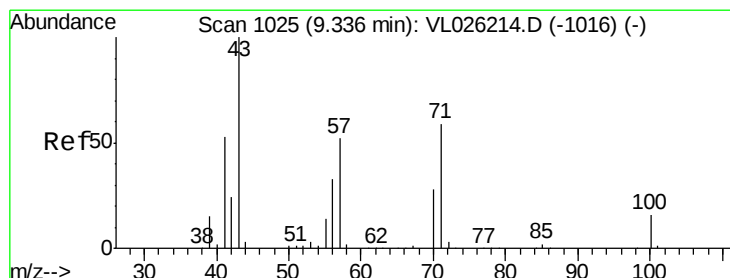
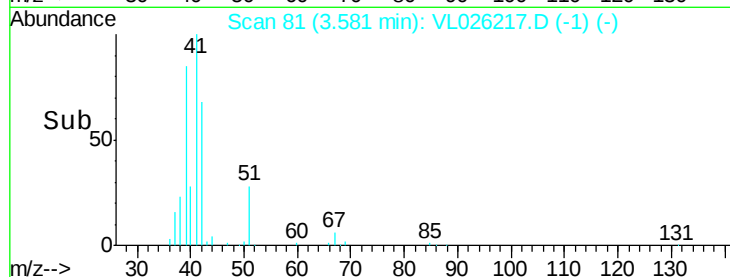
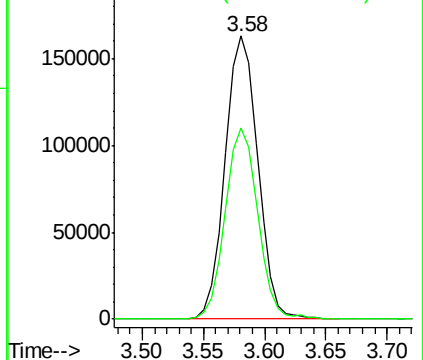
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.91 ppbv

RT: 9.34 min Scan# 1025

Delta R.T. 0.00 min

Lab File: VL026217.D

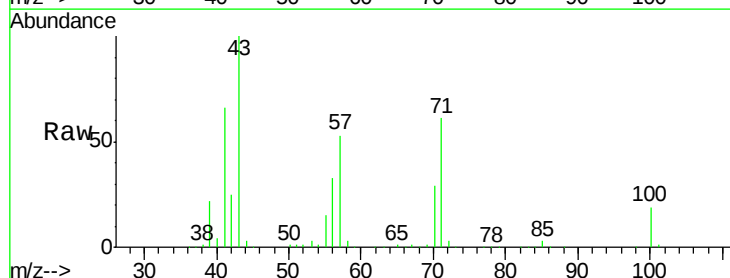
Acq: 20 Oct 2015 21:49

Tgt Ion: 43 Resp: 1027896

Ion Ratio Lower Upper

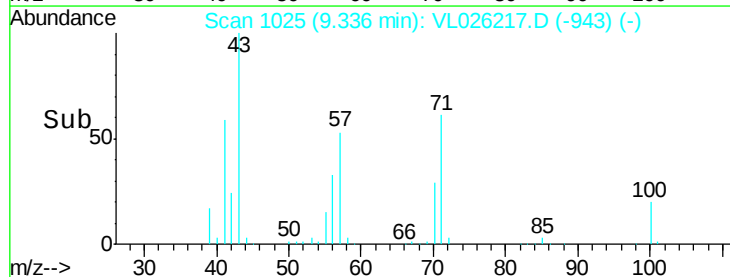
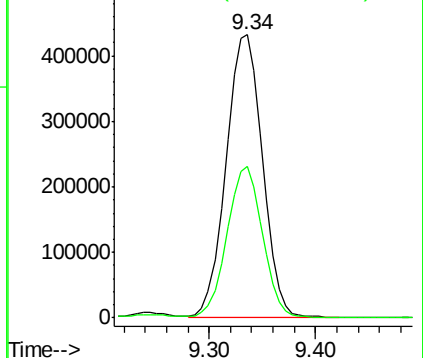
43 100

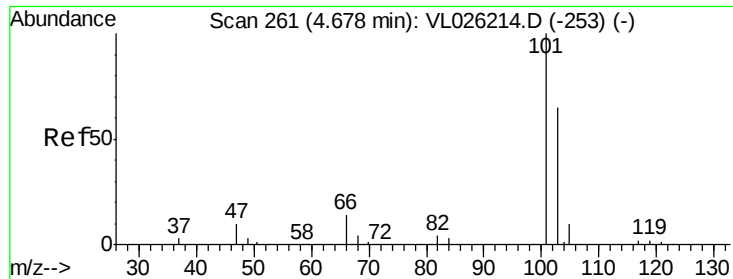
57 54.1 43.7 65.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





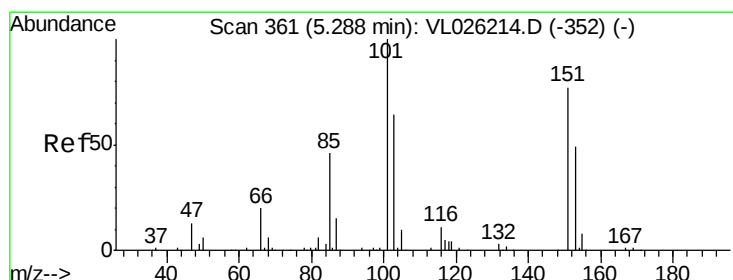
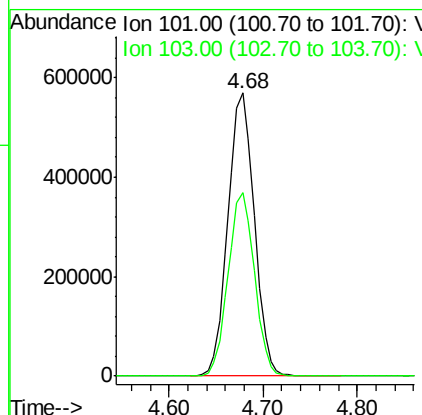
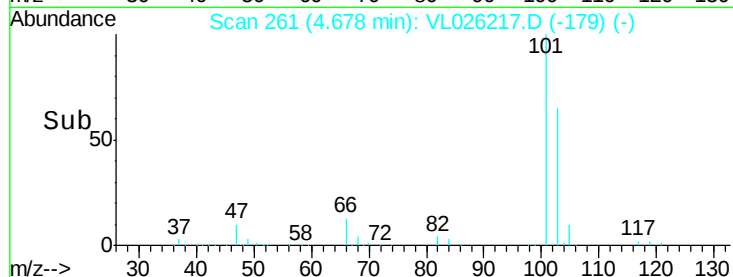
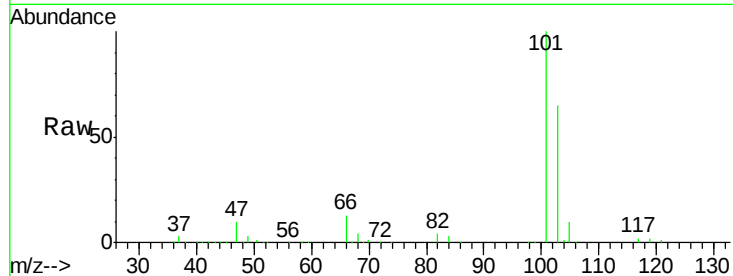
#11
 Trichlorofluoromethane
 Concen: 10.46 ppbv
 RT: 4.68 min Scan# 261
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion:101 Resp: 1111901
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.2 78.2

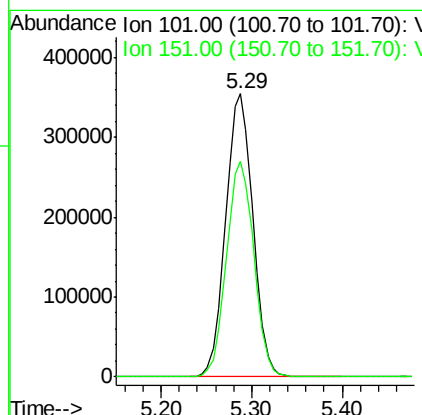
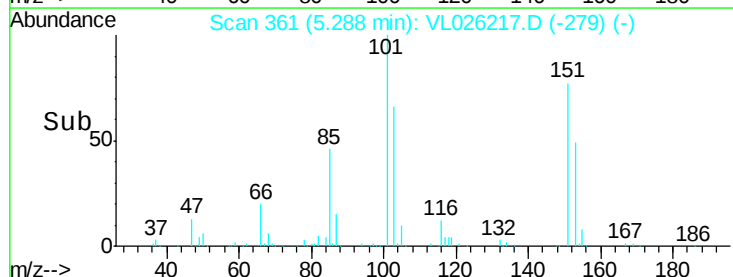
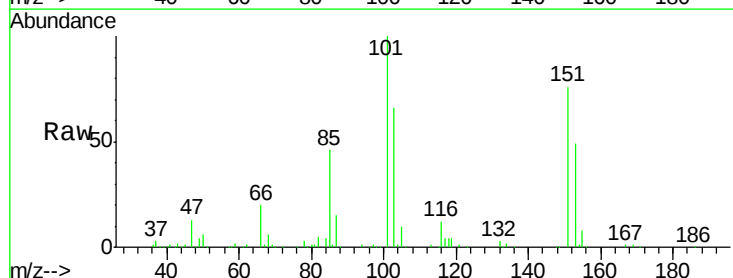
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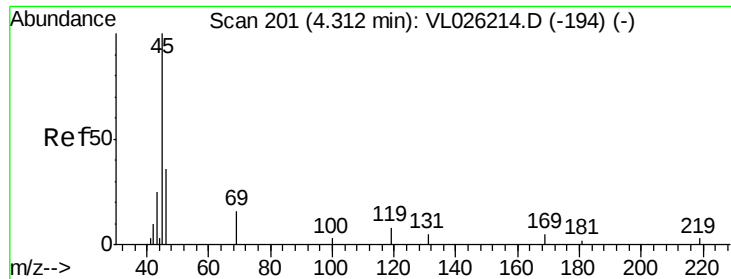
MMDadoda
 10/22/2015 4:31:52 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.31 ppbv
 RT: 5.29 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion:101 Resp: 747829
 Ion Ratio Lower Upper
 101 100
 151 76.9 61.7 92.5





#13

Ethanol

Concen: 10.05 ppbv

RT: 4.31 min Scan# 201

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 45 Resp: 46727

Ion Ratio Lower Upper

45 100

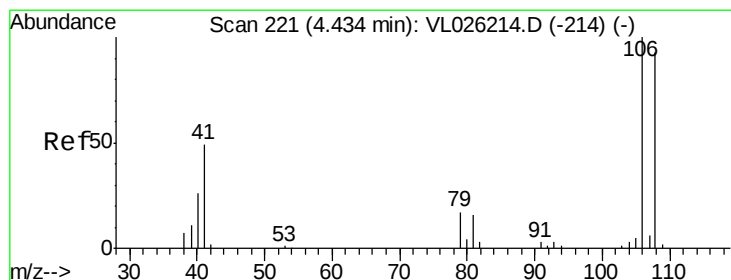
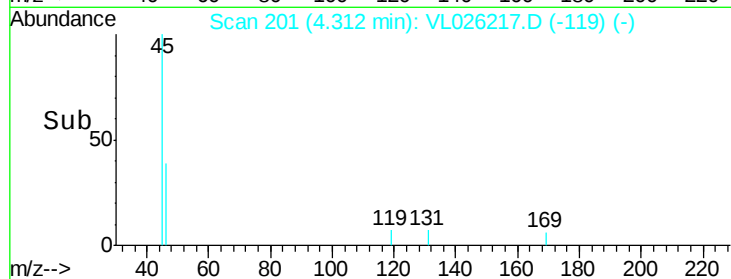
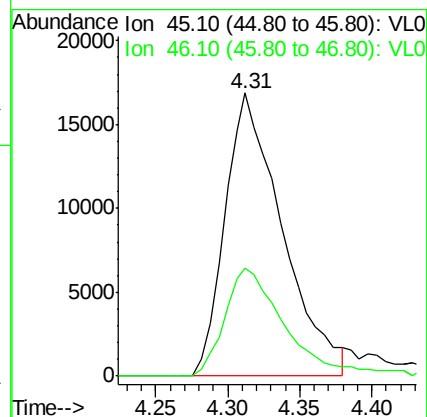
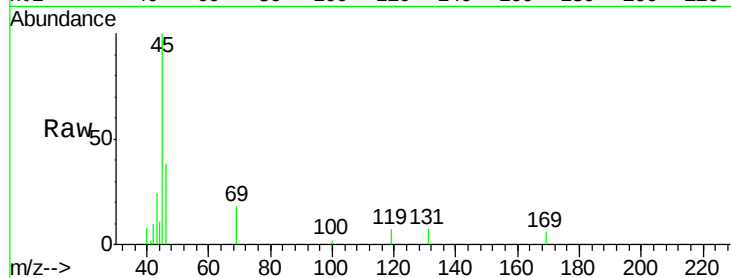
46 40.4 15.8 63.0

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#14

Bromoethene

Concen: 10.26 ppbv

RT: 4.43 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

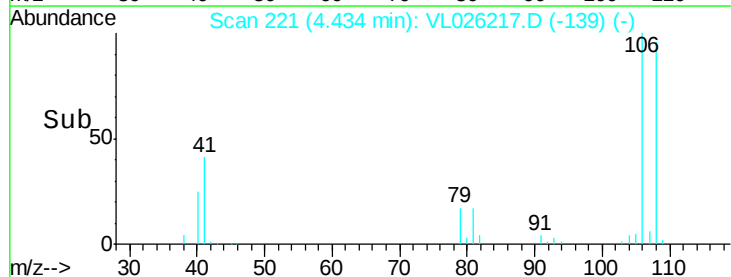
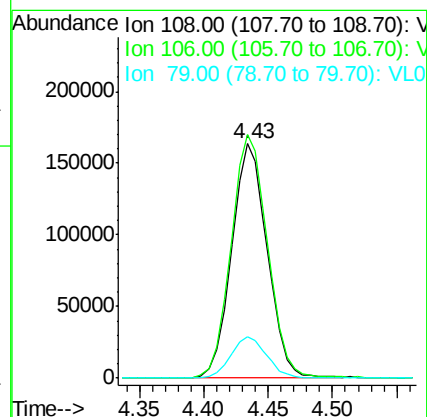
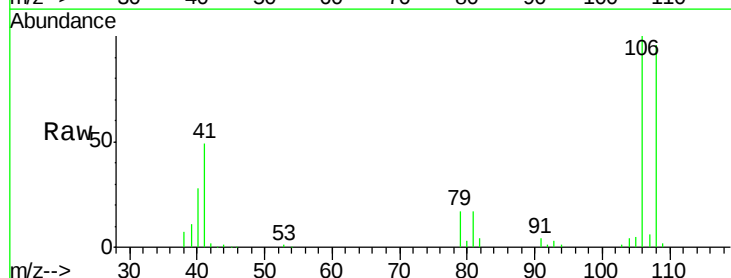
Tgt Ion: 108 Resp: 314015

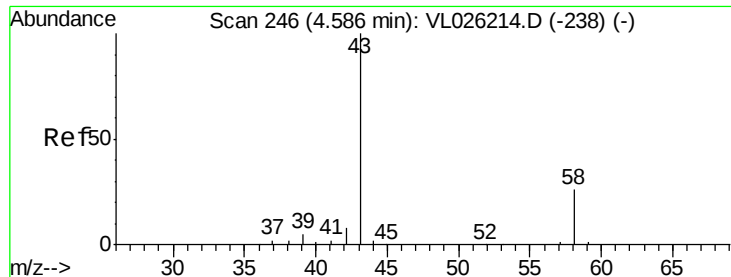
Ion Ratio Lower Upper

108 100

106 106.9 84.7 127.1

79 17.7 14.0 21.0





#15

Acetone

Concen: 8.60 ppbv

RT: 4.59 min Scan# 246

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tot Ion: 43 Resp: 662193

Ion Ratio Lower Upper

43 100

58 27.2 21.8 32.6

Instrument :

MSVOA_L

ClientSampleId :

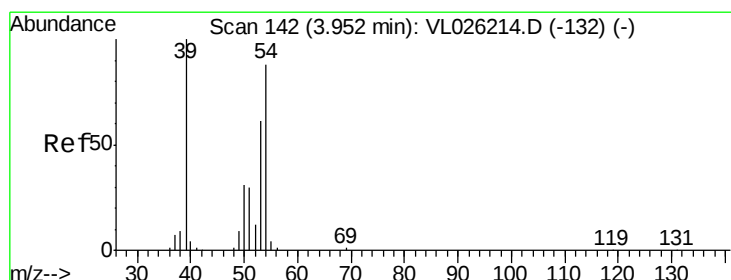
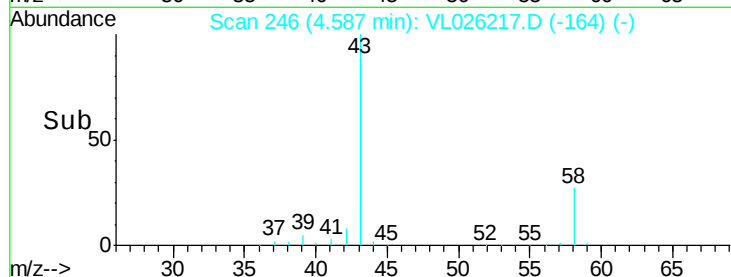
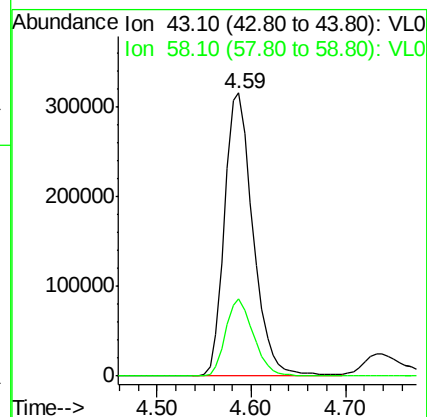
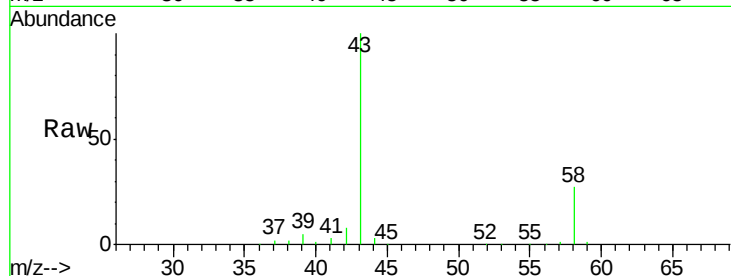
VL1020ABS01

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#16

1,3-Butadiene

Concen: 10.15 ppbv

RT: 3.95 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL026217.D

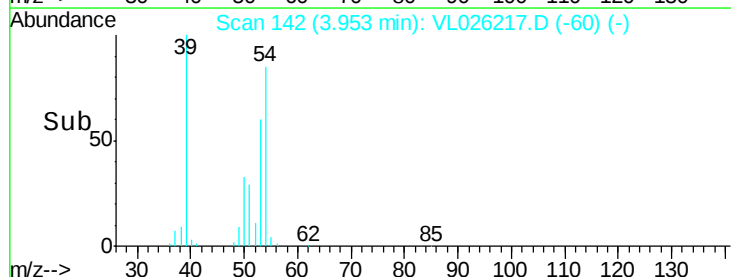
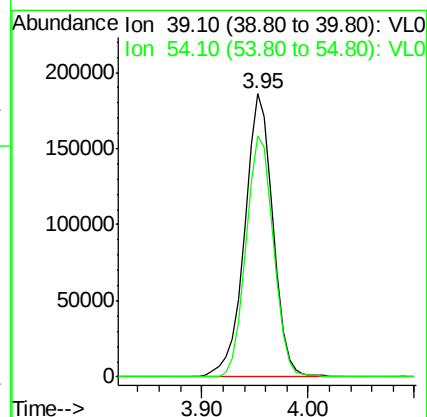
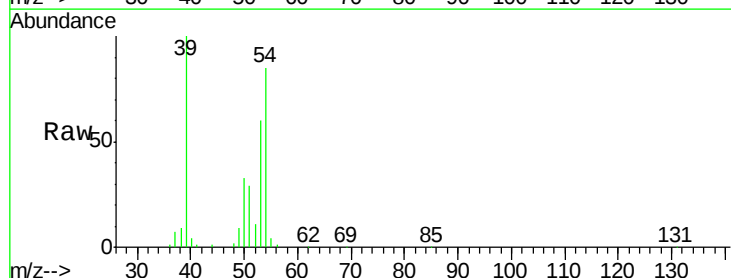
Acq: 20 Oct 2015 21:49

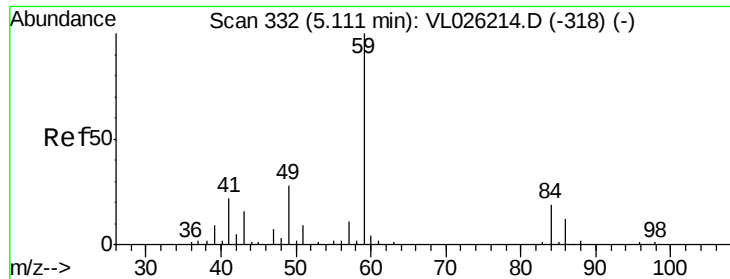
Tgt Ion: 39 Resp: 348334

Ion Ratio Lower Upper

39 100

54 83.2 67.3 100.9





#17

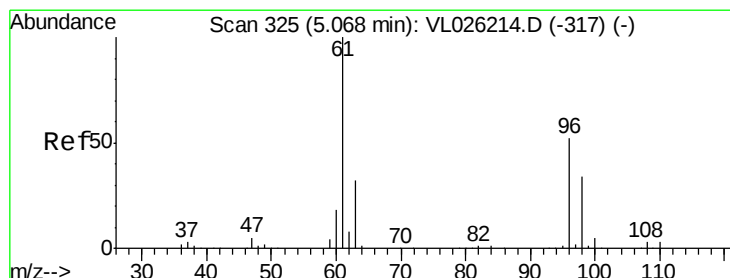
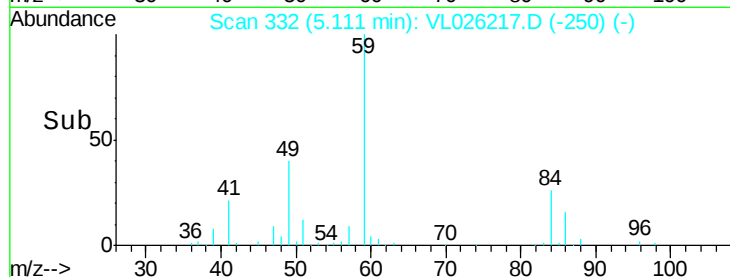
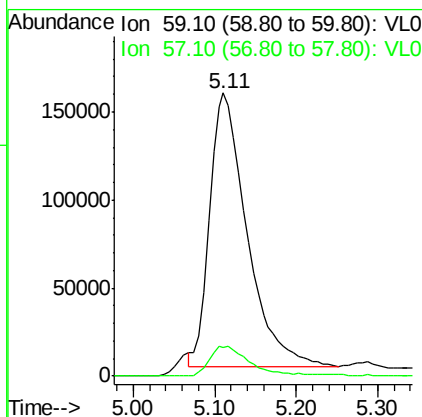
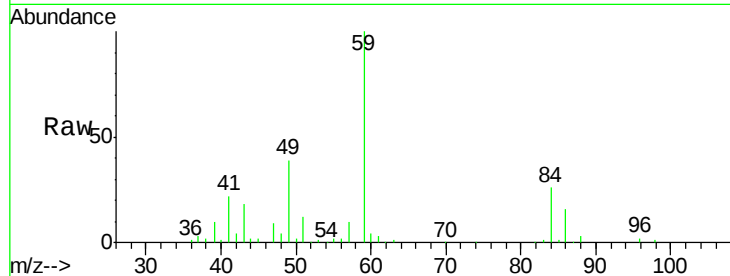
tert-Butyl alcohol
Concen: 9.39 ppbv
RT: 5.11 min Scan# 332
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion	59	57	Ratio	100	12.7	Resp	493878	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	12.7	Resp	493878	Lower	8.5	Upper	12.7

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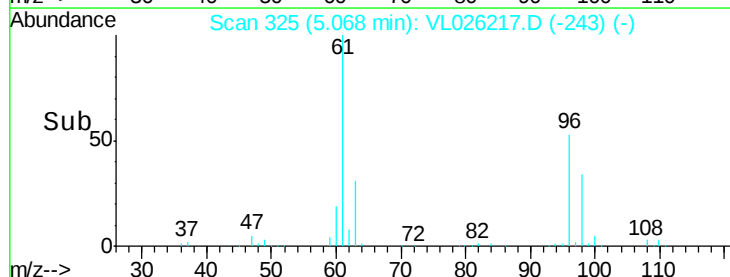
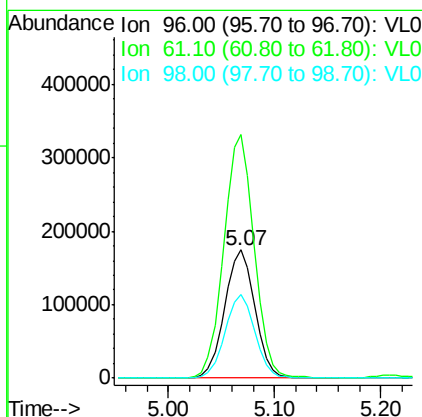
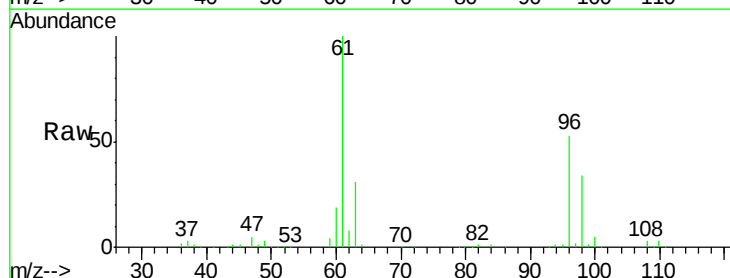
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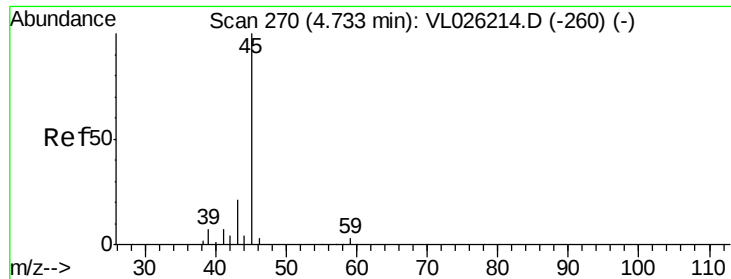


#18

1,1-Dichloroethene
Concen: 10.60 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion	96	61	98	Ratio	100	189.6	64.9	Resp	347234	Lower	153.7	51.6	Upper	230.5	77.4
Ion	96	61	98	Ratio	100	189.6	64.9	Resp	347234	Lower	153.7	51.6	Upper	230.5	77.4





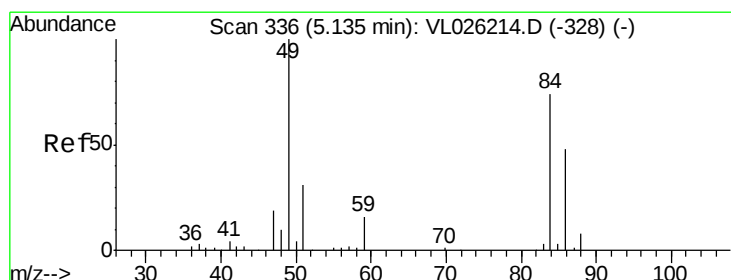
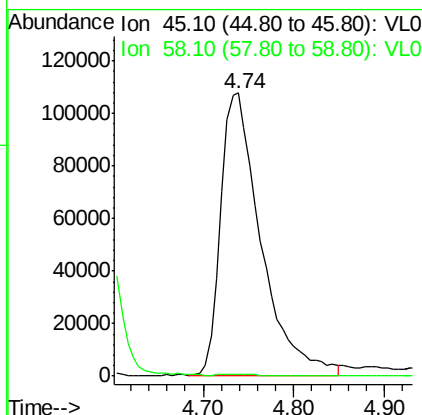
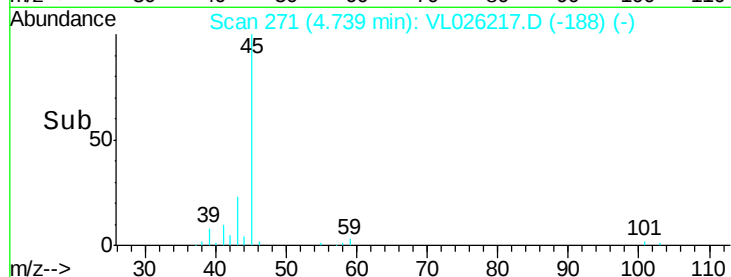
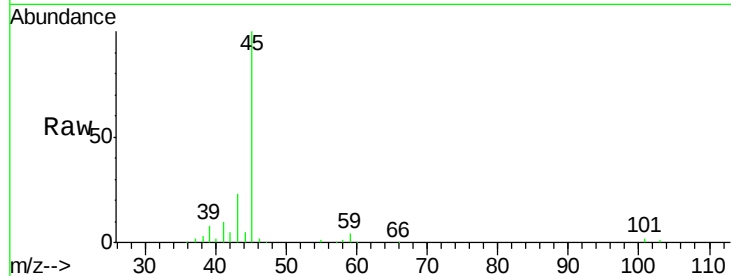
#19
Isopropyl Alcohol
Concen: 11.02 ppbv
RT: 4.74 min Scan# 271
Delta R.T. 0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion: 45 Resp: 331448
Ion Ratio Lower Upper
45 100
58 54.4 40.3 60.5

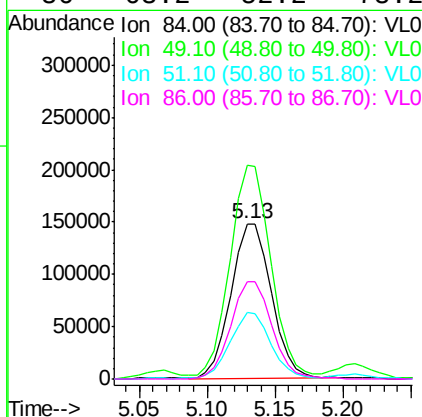
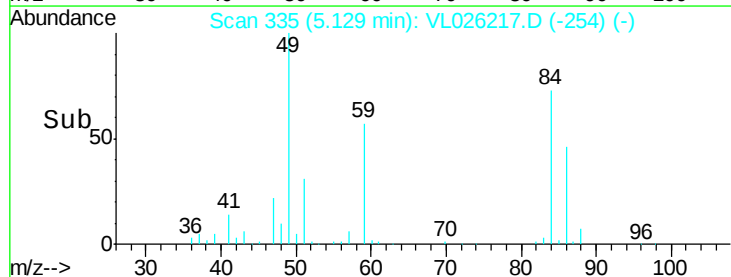
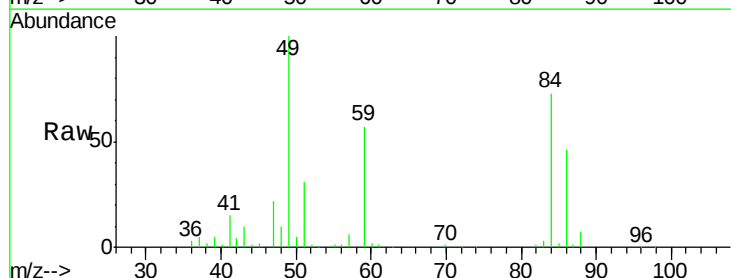
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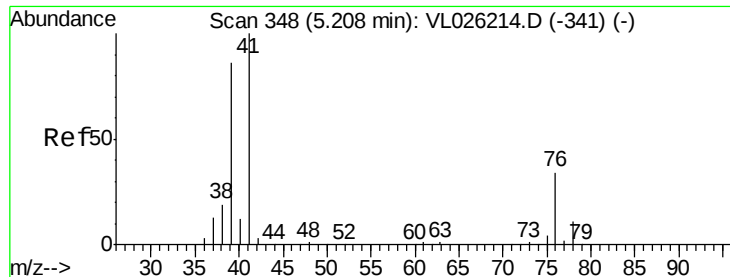
MMDadoda
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#20
Methylene Chloride
Concen: 10.04 ppbv
RT: 5.13 min Scan# 335
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 84 Resp: 308299
Ion Ratio Lower Upper
84 100
49 136.2 108.7 163.1
51 42.7 33.7 50.5
86 63.2 52.2 78.2





#21

Allvl Chloride

Concen: 10.45 ppbv

RT: 5.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

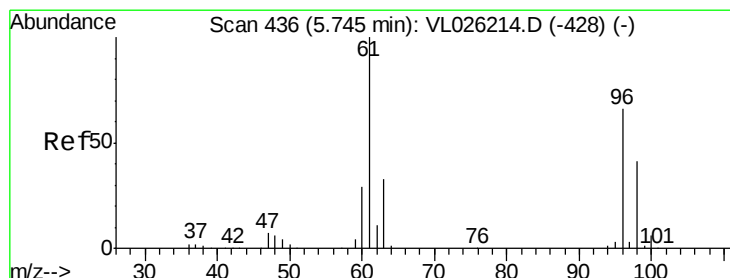
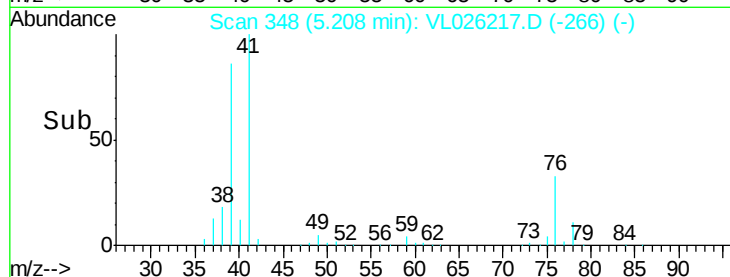
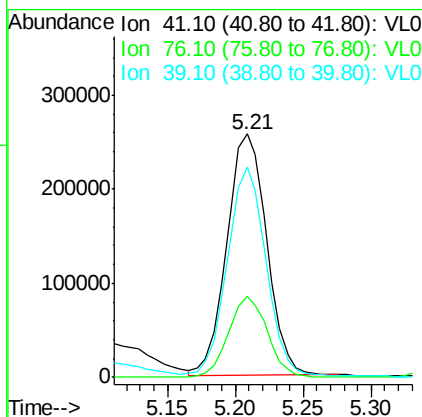
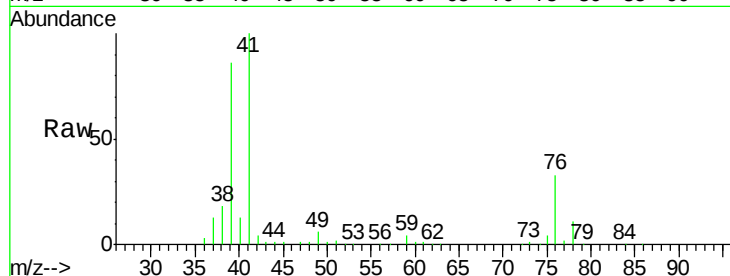
ClientSampleId :

VL1020ABS01

Tot Ion:	41	Resp:	525314
Ion	Ratio	Lower	Upper
41	100		
76	32.7	26.6	39.8
39	84.9	67.4	101.2

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#22

trans-1,2-Dichloroethene

Concen: 10.12 ppbv

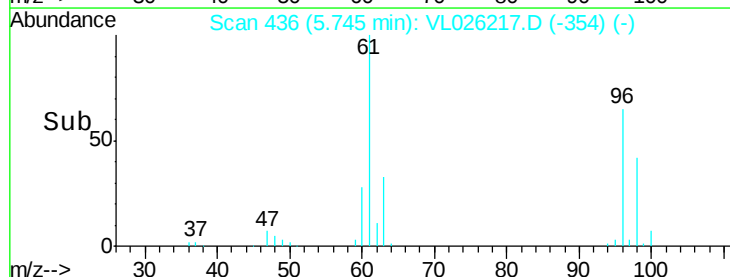
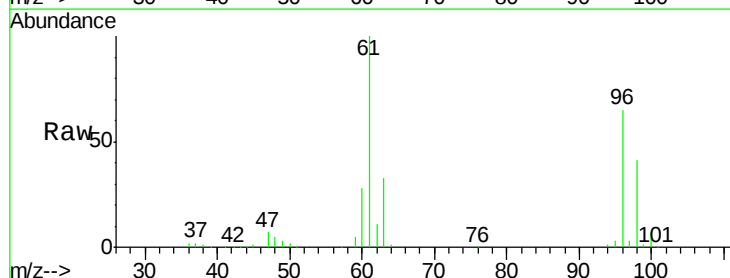
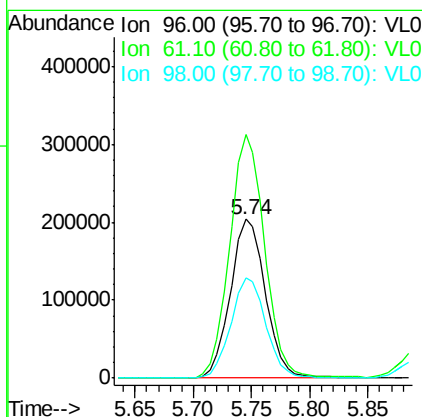
RT: 5.74 min Scan# 436

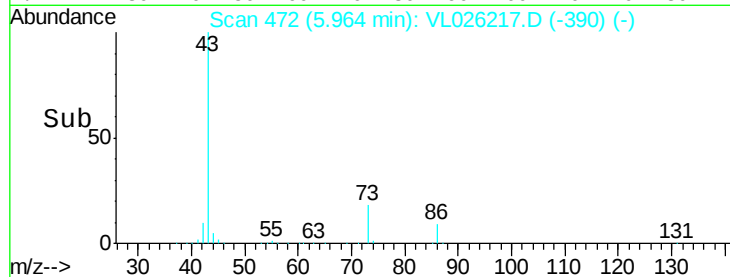
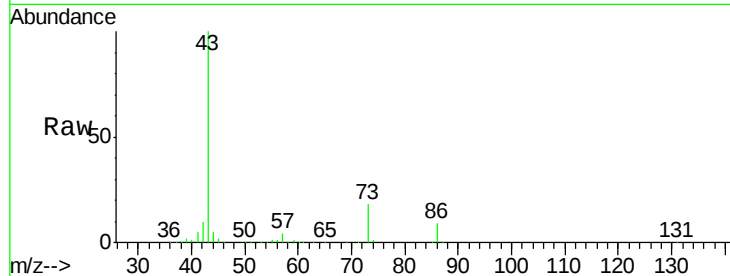
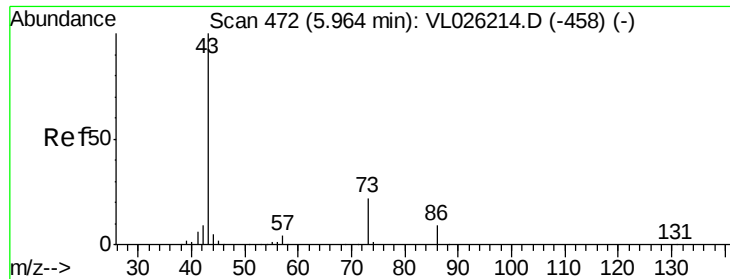
Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion:	96	Resp:	427673
Ion	Ratio	Lower	Upper
96	100		
61	153.3	121.5	182.3
98	63.6	49.7	74.5





#23

Vinyl Acetate

Concen: 10.01 ppbv

RT: 5.96 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tot Ion:	43	Resp:	1420327
Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.0	10.6
42	9.8	7.5	11.3
44	4.7	3.6	5.4

Instrument :

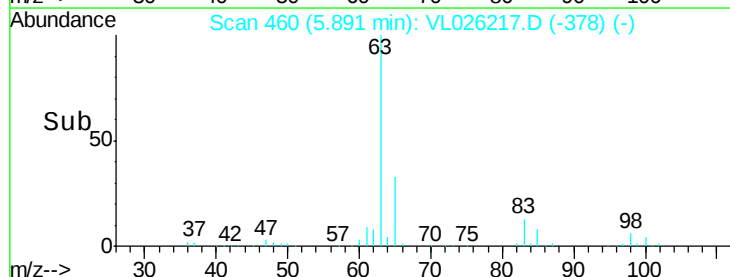
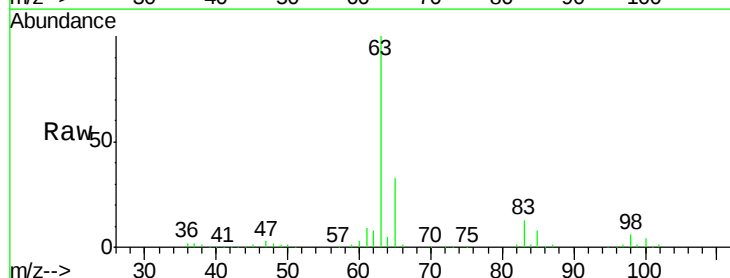
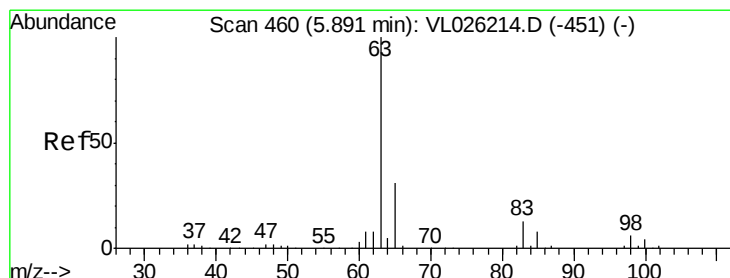
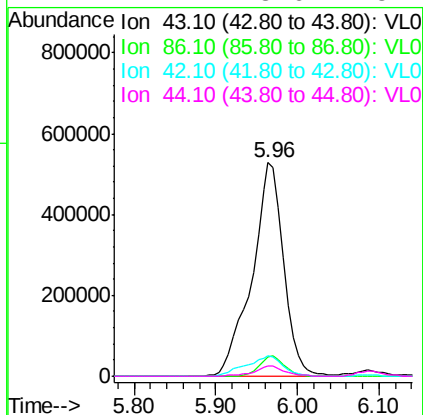
MSVOA_L

ClientSampleId :

VL1020ABS01

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#24

1,1-Dichloroethane

Concen: 9.94 ppbv

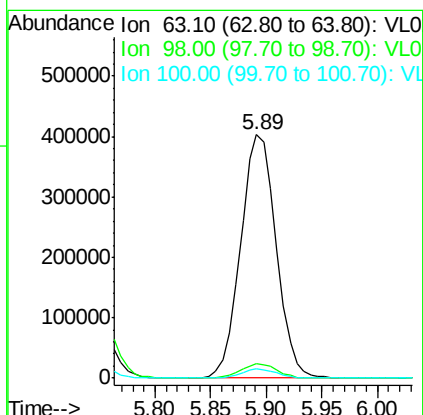
RT: 5.89 min Scan# 460

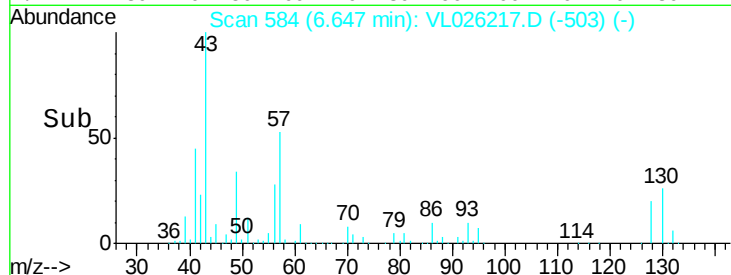
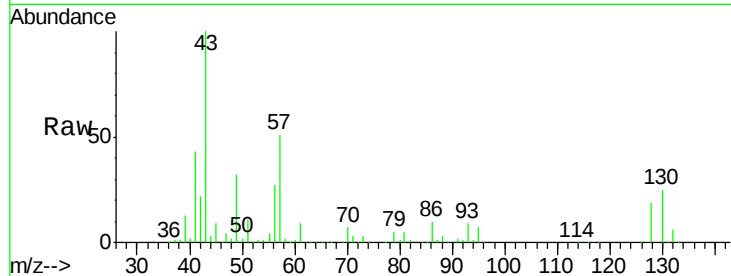
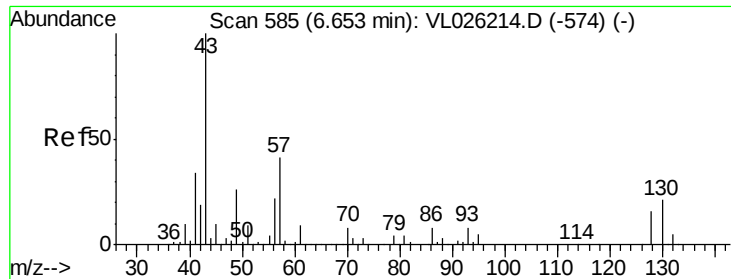
Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion:	63	Resp:	889668
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.8
100	3.8	1.8	5.5





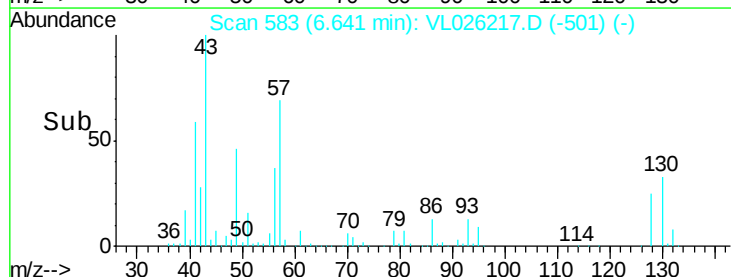
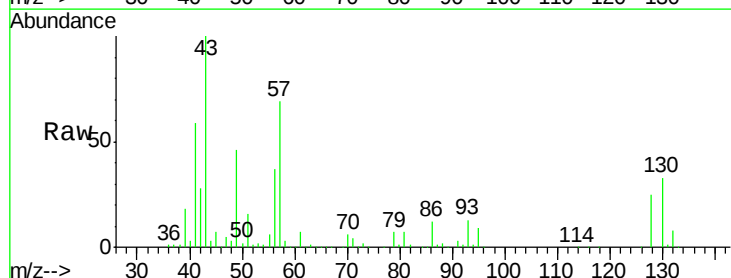
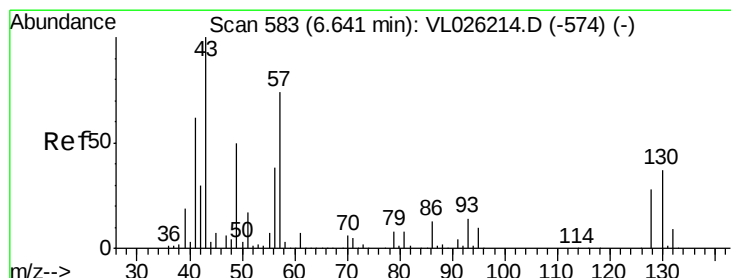
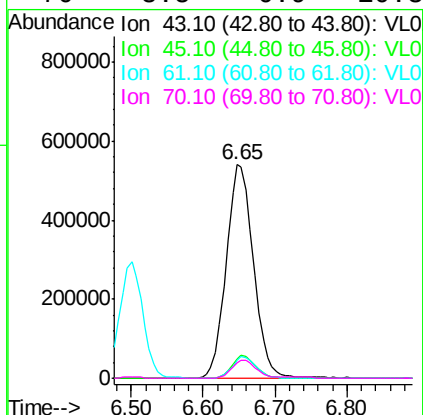
#25
Ethyl Acetate
Concen: 9.80 ppbv
RT: 6.65 min Scan# 584
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tot Ion	43	Ratio	100	Resp	1413956	Lower	Upper
43	100						
45	9.4				7.7	11.5	
61	9.3				7.5	11.3	
70	8.5				6.9	10.3	

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

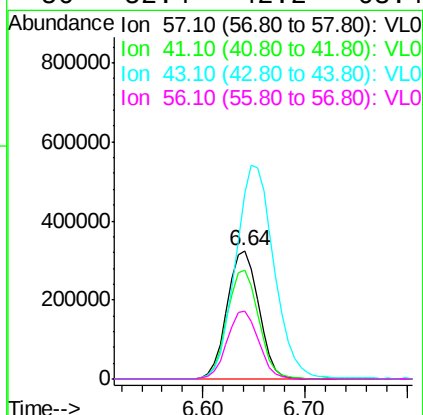
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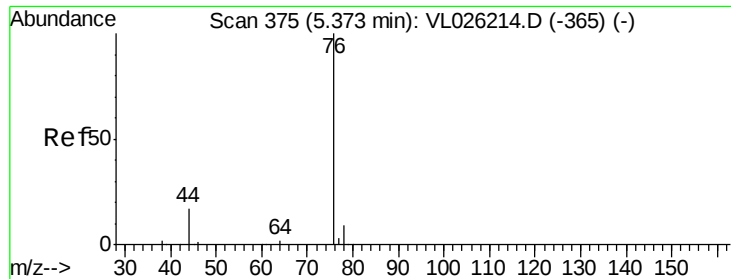
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#26
Hexane
Concen: 9.67 ppbv
RT: 6.64 min Scan# 583
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion	57	Ratio	100	Resp	697503	Lower	Upper
57	100						
41	85.7				68.1	102.1	
43	203.4				163.4	245.2	
56	52.4				42.2	63.4	





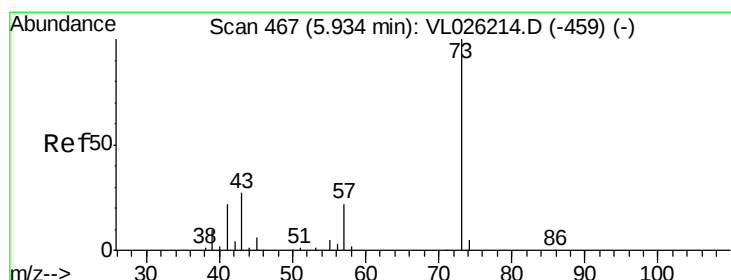
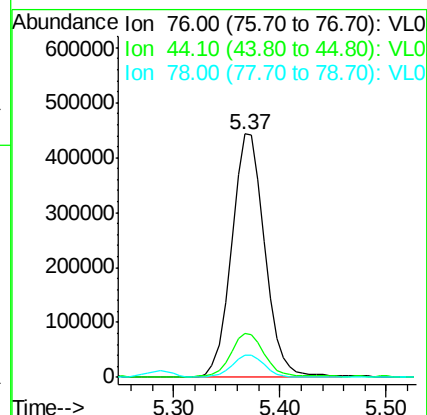
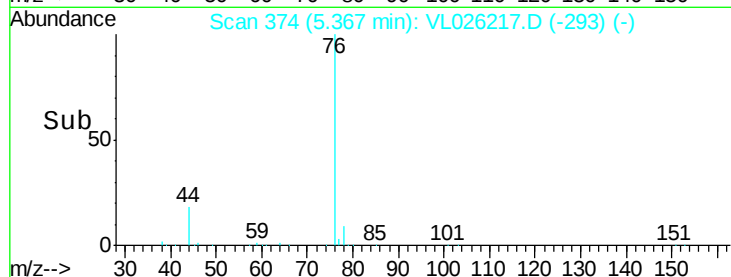
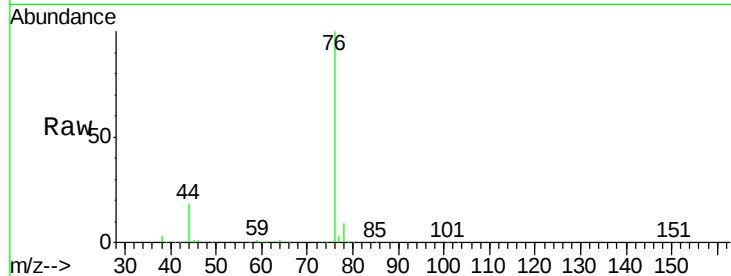
#27
Carbon Disulfide
Concen: 10.49 ppbv
RT: 5.37 min Scan# 374
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.0	21.0
78	9.3	7.4	11.2

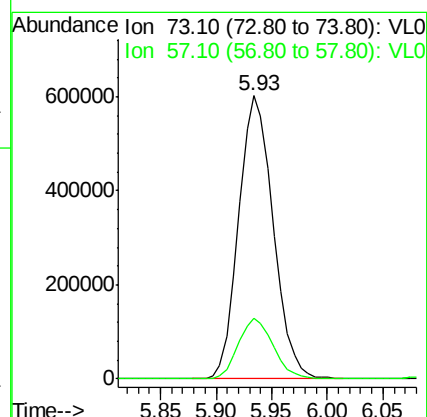
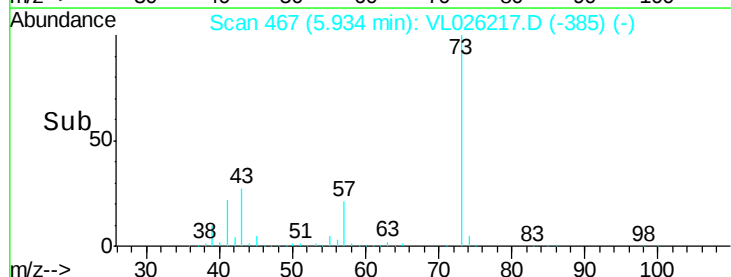
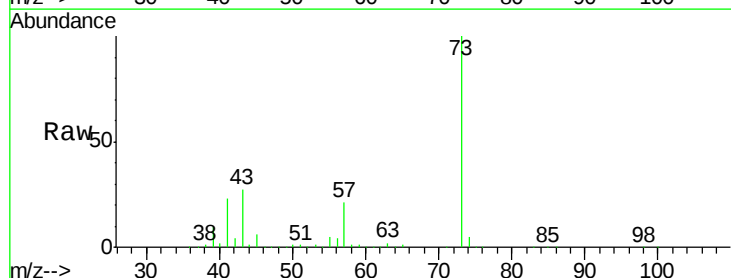
Manual Integrations
APPROVED

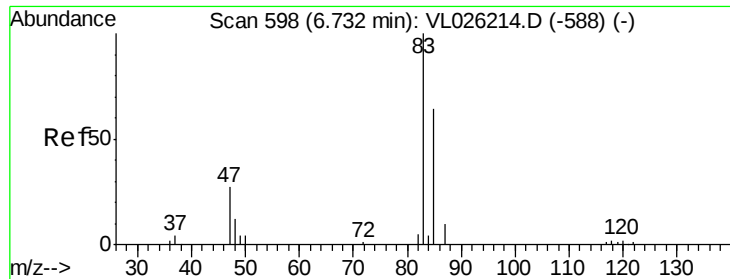
MMDadoda
10/22/2015 4:31:52 PM



#28
Methyl tert-Butyl Ether
Concen: 9.91 ppbv
RT: 5.93 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.4	26.0





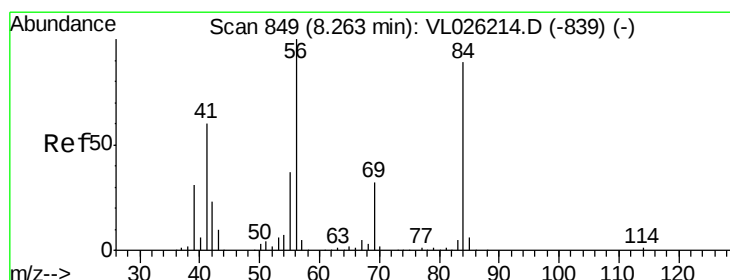
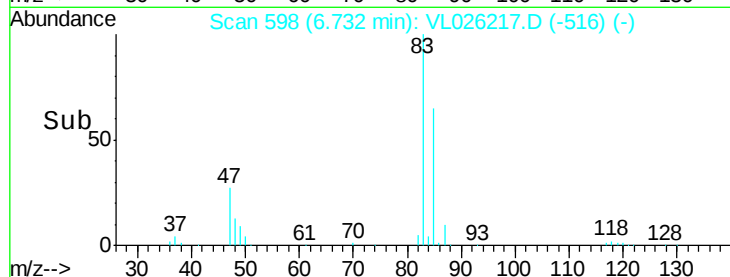
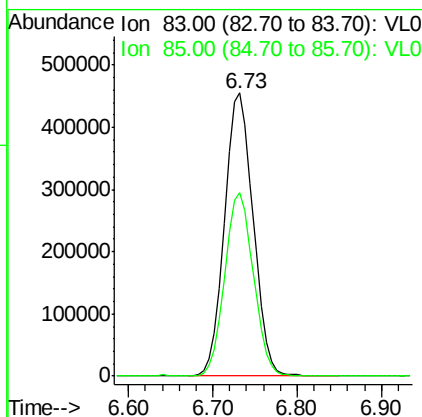
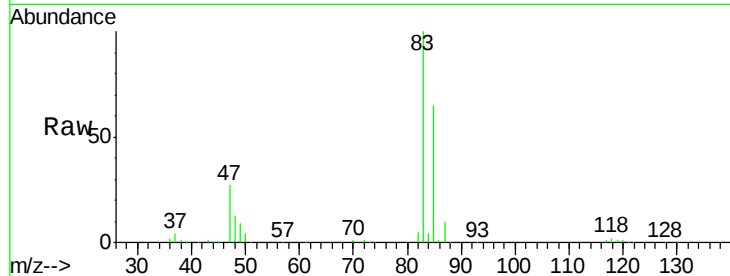
#29
Chloroform
Concen: 10.10 ppbv
RT: 6.73 min Scan# 598
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion: 83 Resp: 1056737
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3

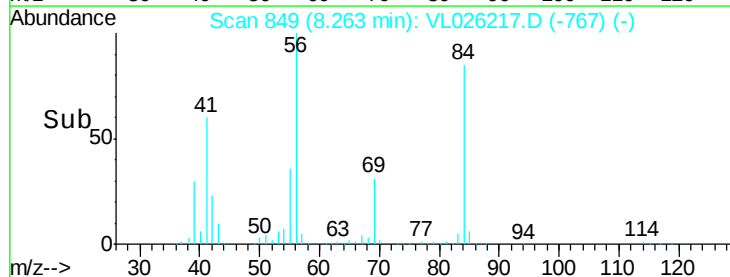
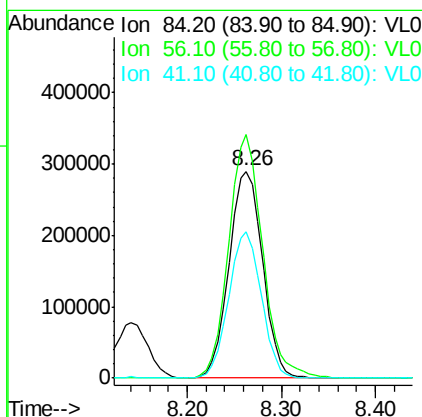
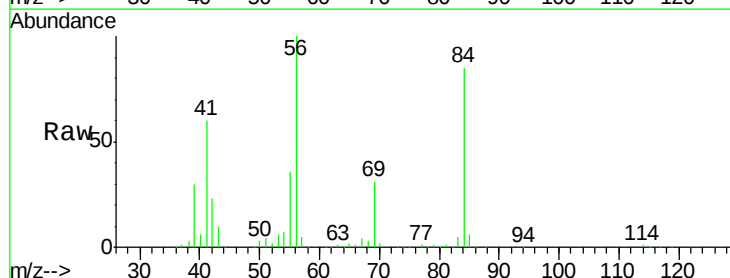
Manual Integrations
APPROVED

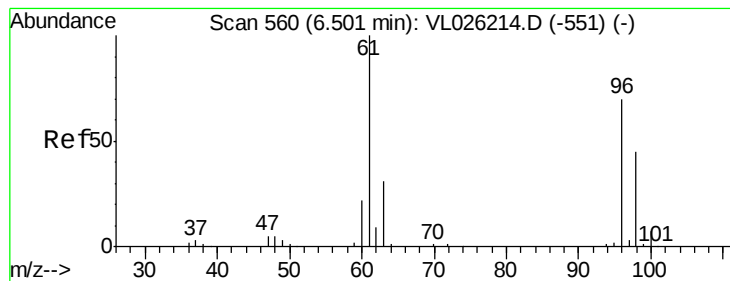
MMDadoda
10/22/2015 4:31:52 PM



#30
Cyclohexane
Concen: 9.93 ppbv
RT: 8.26 min Scan# 849
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 84 Resp: 716072
Ion Ratio Lower Upper
84 100
56 119.4 95.9 143.9
41 69.2 54.8 82.2





#31

cis-1,2-Dichloroethene

Concen: 10.09 ppbv

RT: 6.50 min Scan# 560

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

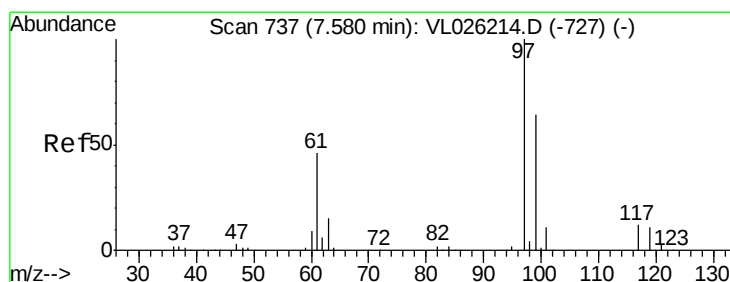
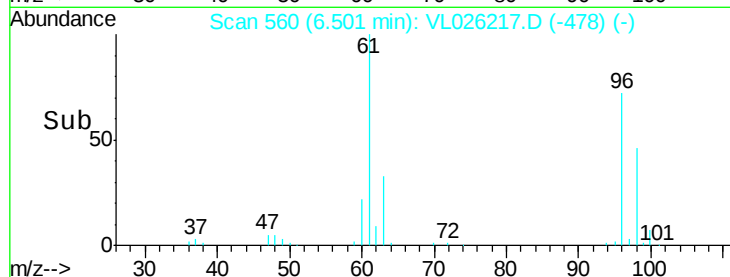
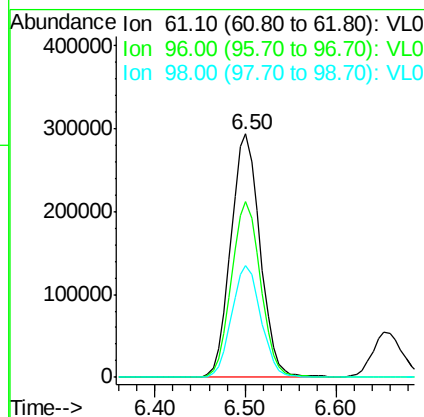
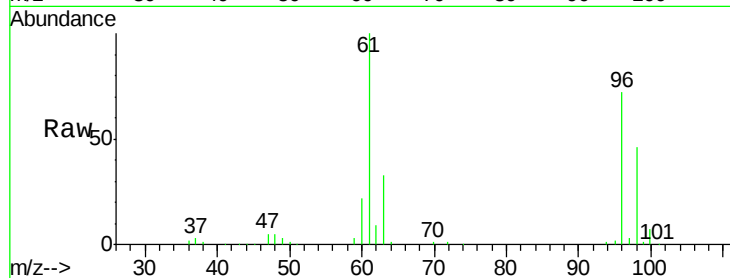
ClientSampleId :

VL1020ABS01

Tot Ion	Ratio	Resp	Lower	Upper
61	100	660694		
96	72.1	56.0	84.0	
98	46.0	36.1	54.1	

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:31:52 PM



#32

1,1,1-Trichloroethane

Concen: 9.94 ppbv

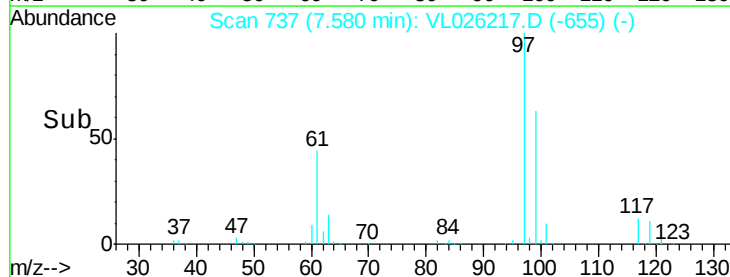
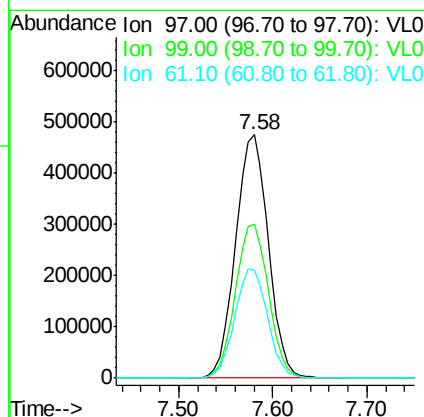
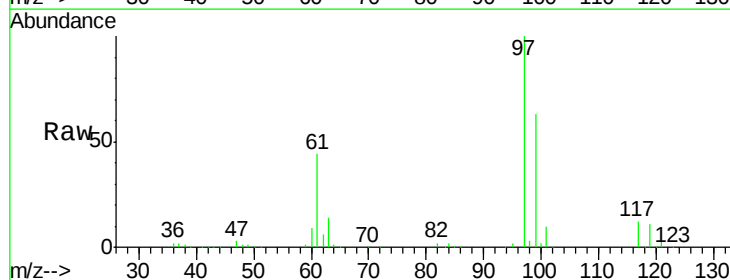
RT: 7.58 min Scan# 737

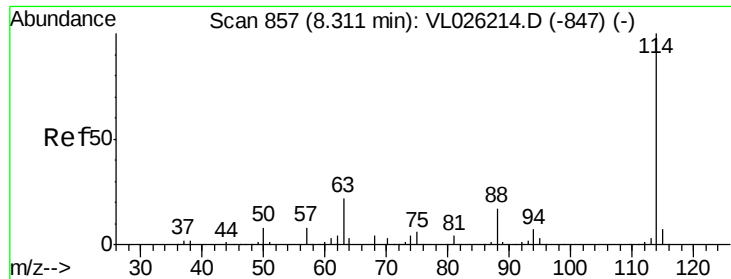
Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	1153823		
99	63.9	51.4	77.0	
61	45.2	36.2	54.4	





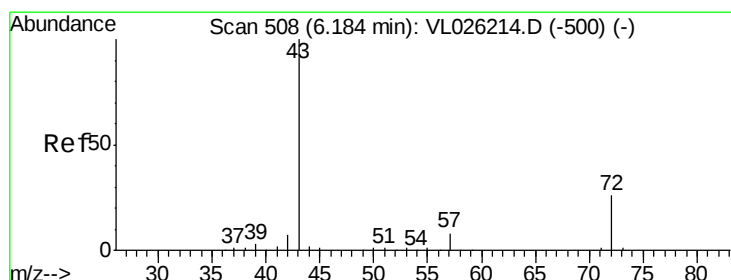
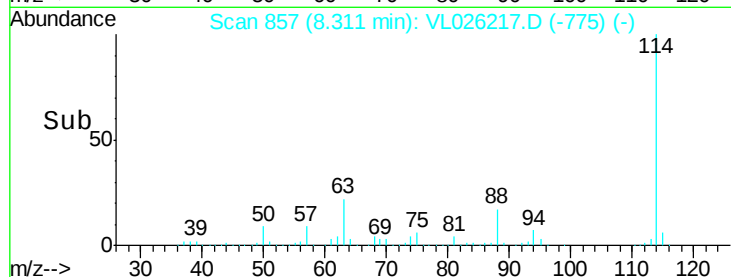
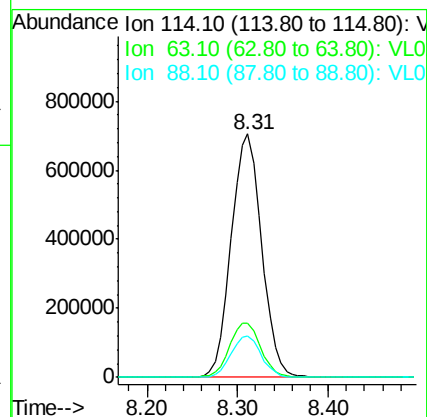
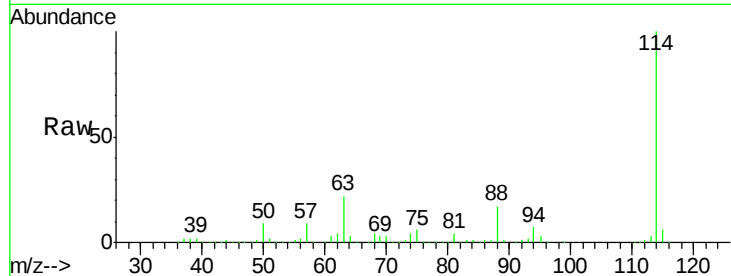
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion:114 Resp: 1646487
 Ion Ratio Lower Upper
 114 100
 63 23.0 18.2 27.4
 88 16.9 13.5 20.3

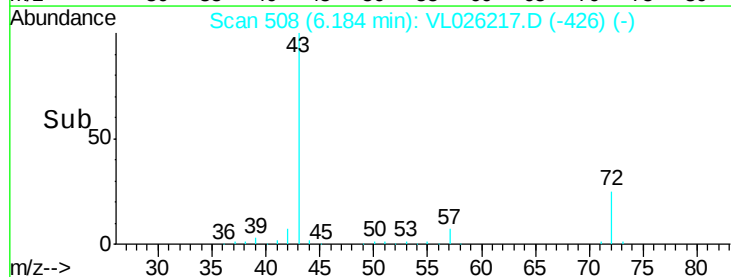
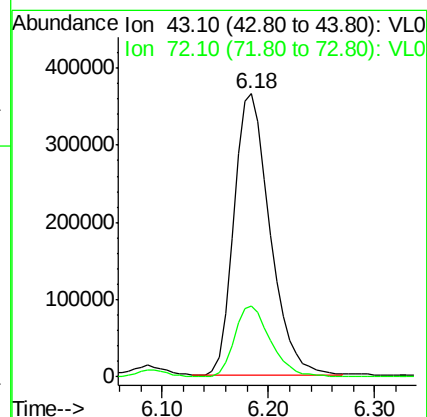
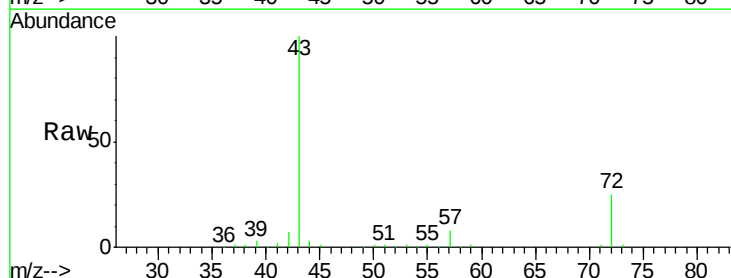
Manual Integrations
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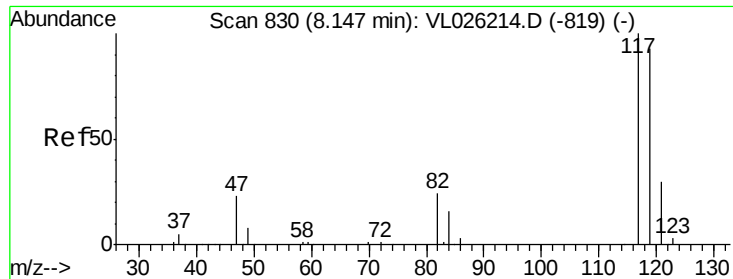
MMDadoda
 10/22/2015 4:31:52 PM



#34
 2-Butanone
 Concen: 9.31 ppbv
 RT: 6.18 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 43 Resp: 866265
 Ion Ratio Lower Upper
 43 100
 72 25.5 20.1 30.1





#35

Carbon Tetrachloride

Concen: 9.65 ppbv

RT: 8.14 min Scan# 829

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion:117 Resp: 1210920

Ion Ratio Lower Upper

117 100

119 96.0 74.6 111.8

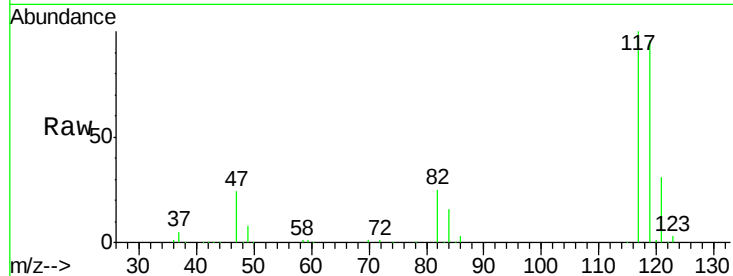
121 30.6 24.2 36.2

Manual Integrations

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MMDadoda

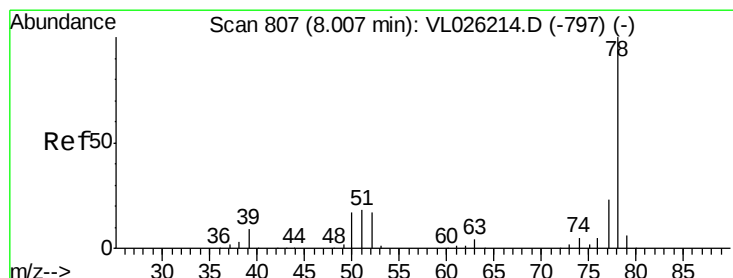
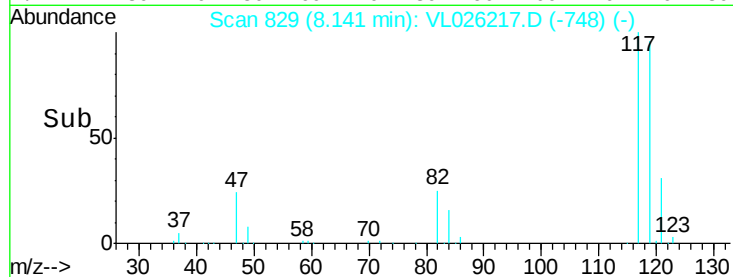
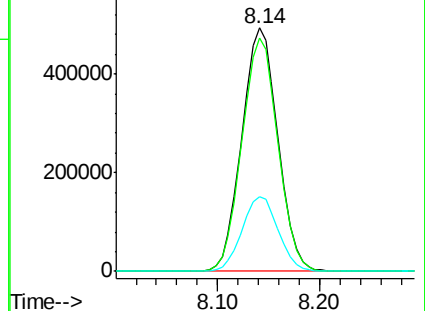
10/22/2015 4:31:52 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.52 ppbv

RT: 8.01 min Scan# 807

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

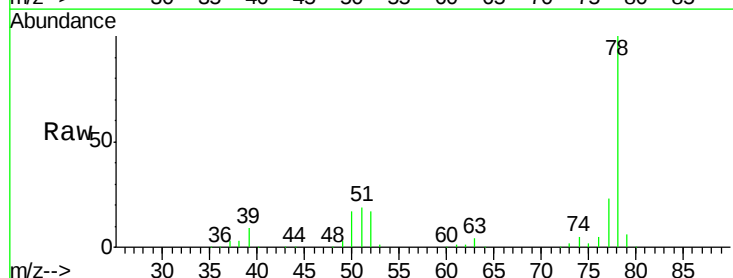
Tgt Ion: 78 Resp: 1596677

Ion Ratio Lower Upper

78 100

77 23.4 18.1 27.1

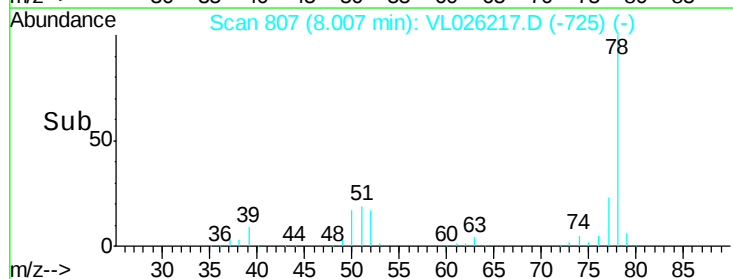
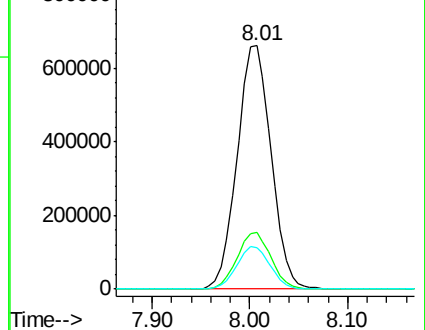
50 17.2 13.8 20.8

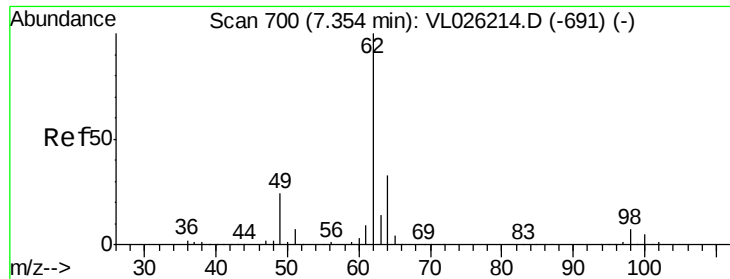


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





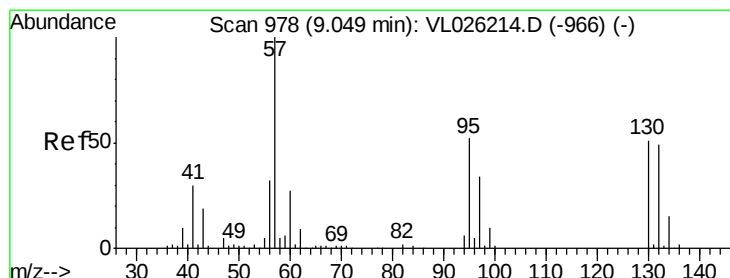
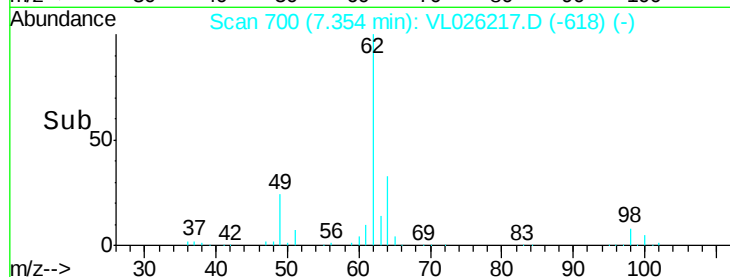
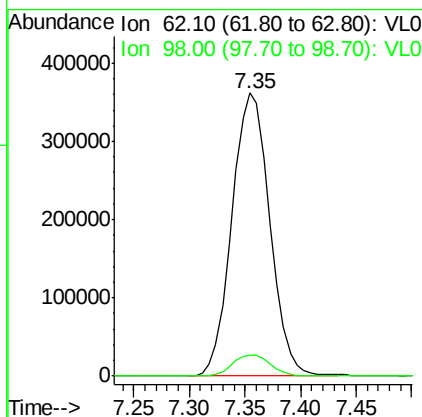
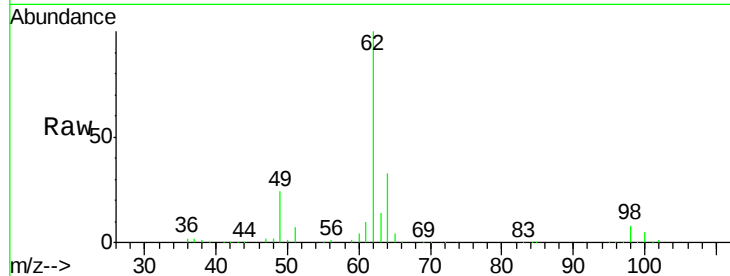
#37
 1,2-Dichloroethane
 Concen: 9.91 ppbv
 RT: 7.35 min Scan# 700
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	854313		
98	7.6		6.1	9.1

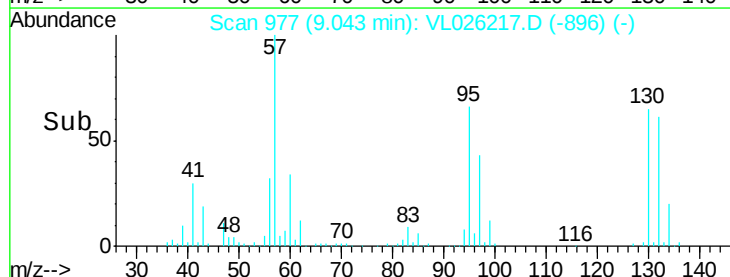
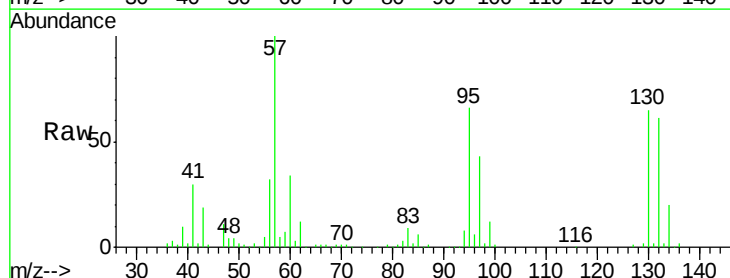
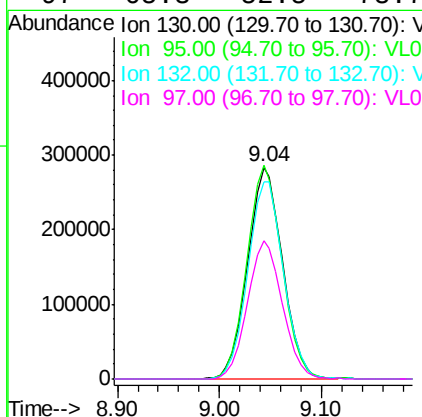
Manual Integrations
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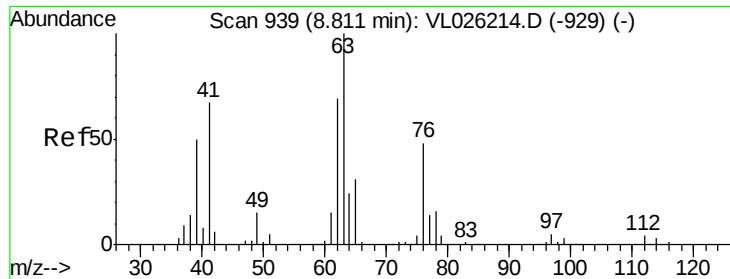
MMDadoda
 10/22/2015 4:31:52 PM



#38
 Trichloroethene
 Concen: 8.33 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	677468		
95	101.0		81.0	121.4
132	93.2		76.5	114.7
97	65.3		52.5	78.7





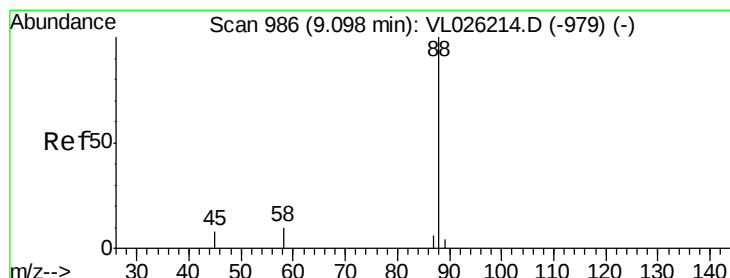
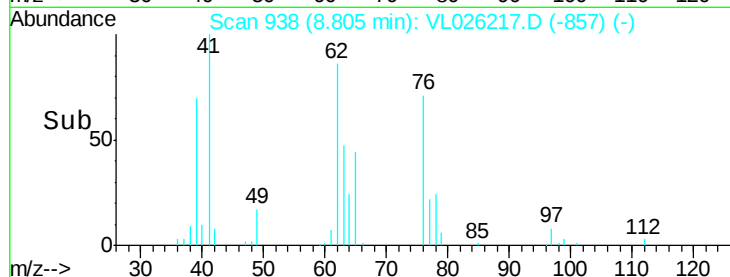
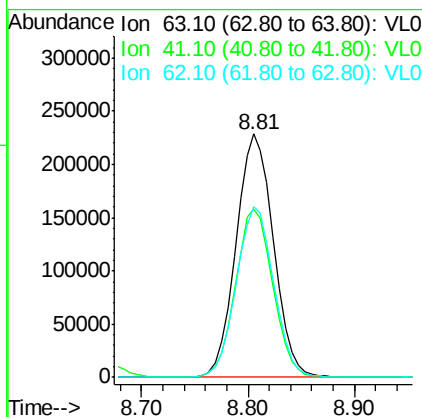
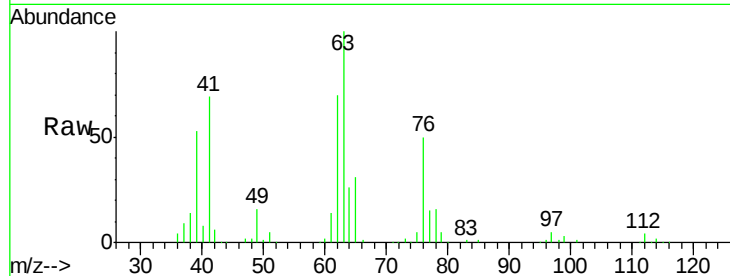
#39
 1,2-Dichloropropane
 Concen: 9.57 ppbv
 RT: 8.81 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.8	53.2	79.8
62	70.2	55.4	83.2

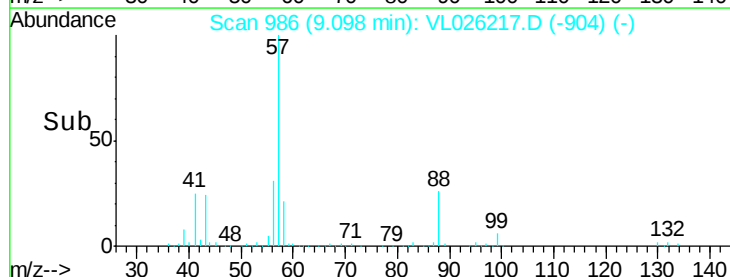
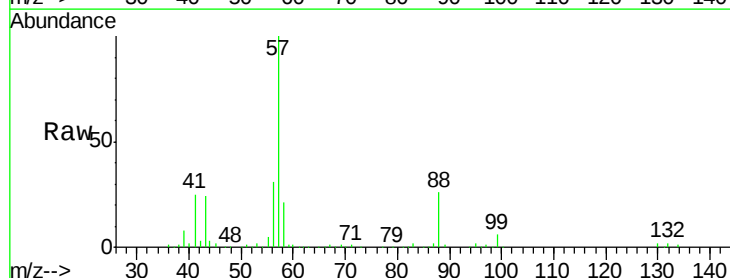
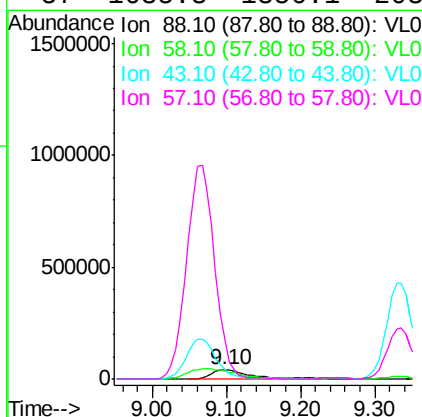
Manual Integrations
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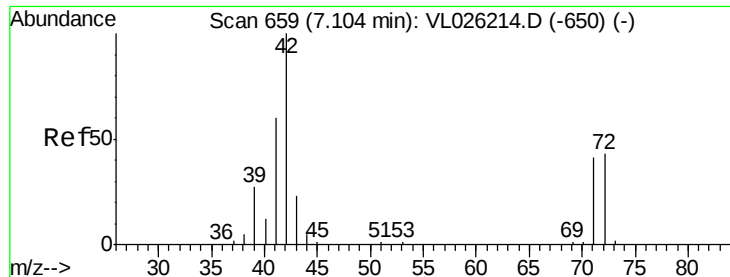
MMDadoda
 10/22/2015 4:31:52 PM



#40
 1,4-Dioxane
 Concen: 13.97 ppbv
 RT: 9.10 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	139.9	115.4	173.2
43	329.0	272.6	409.0
57	1635.3	1356.1	2034.1





#41

Tetrahydrofuran

Concen: 9.53 ppbv

RT: 7.10 min Scan# 658

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

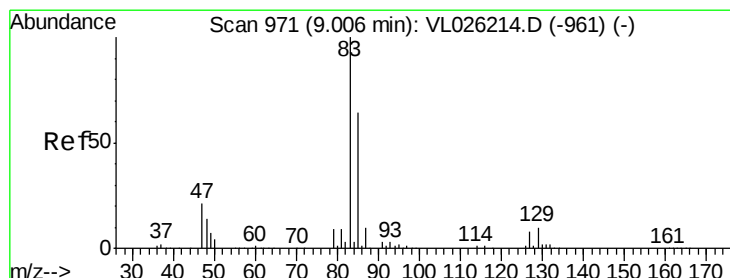
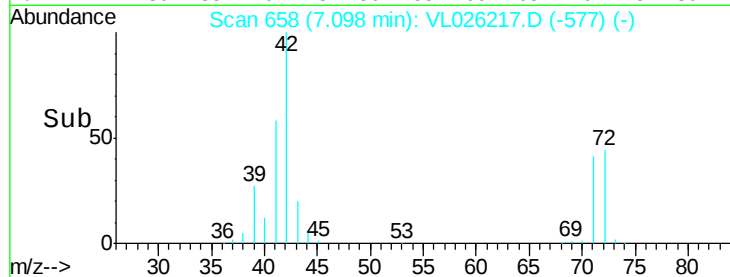
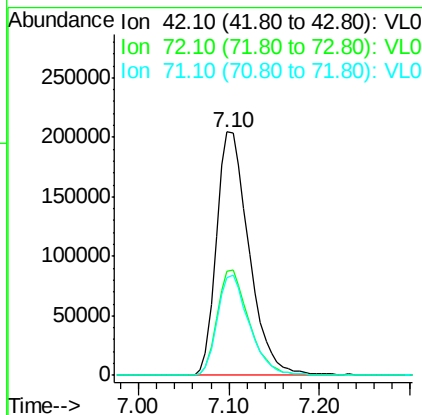
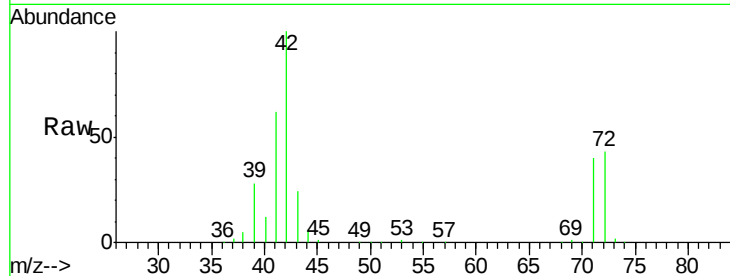
ClientSampleId :

VL1020ABS01

Tot Ion:	42	Resp:	513502
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.3	51.5
71	40.4	32.1	48.1

Manual Integrations
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#42

Bromodichloromethane

Concen: 9.97 ppbv

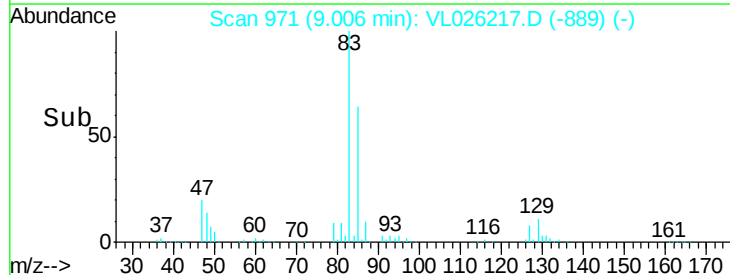
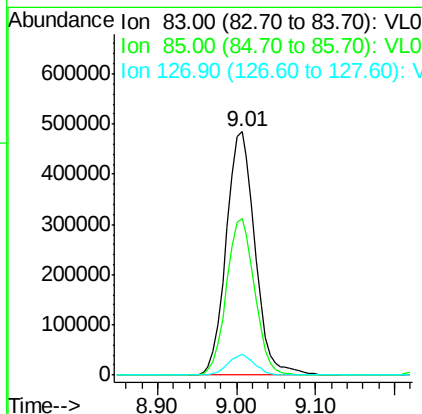
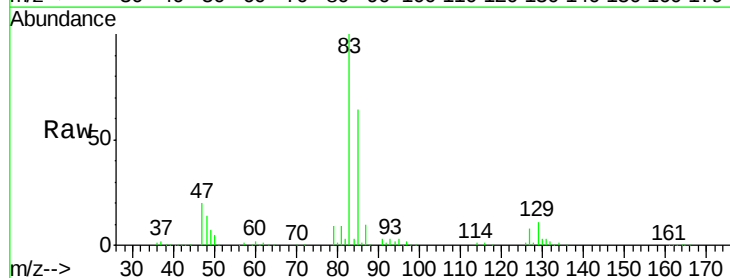
RT: 9.01 min Scan# 971

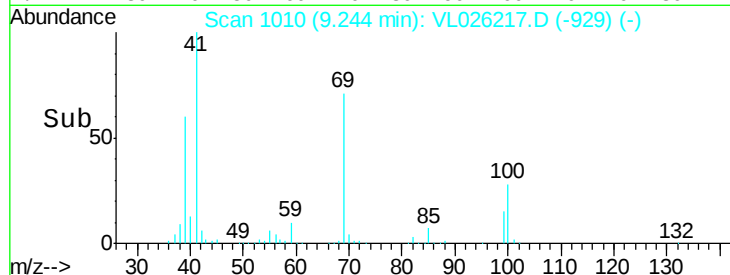
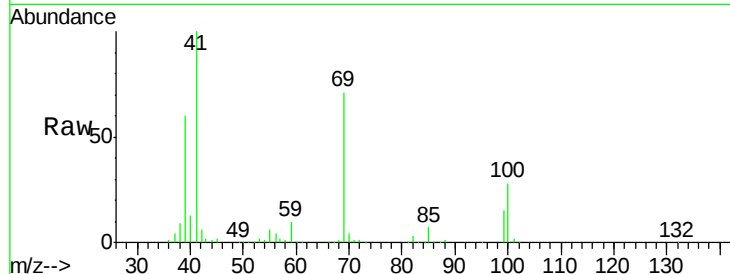
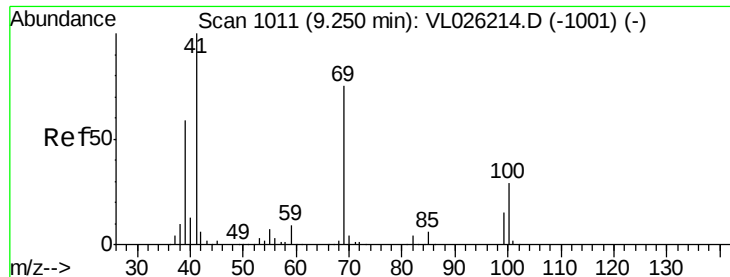
Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion:	83	Resp:	1235315
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.9	76.3
127	8.4	6.2	9.4





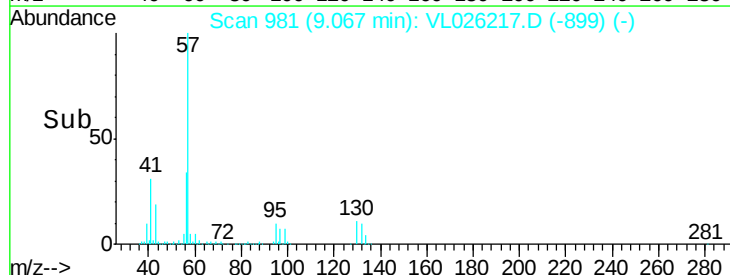
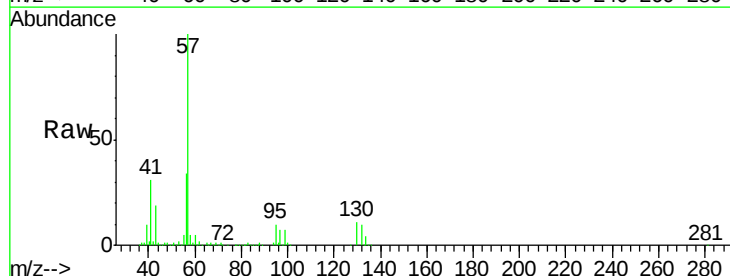
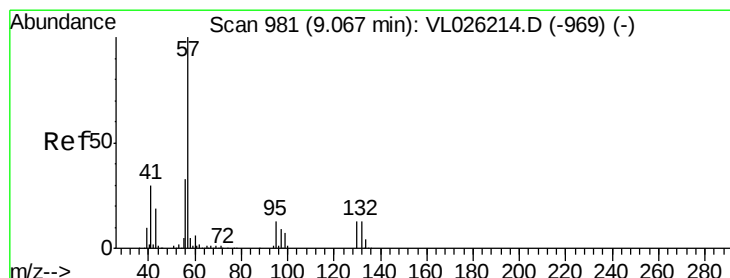
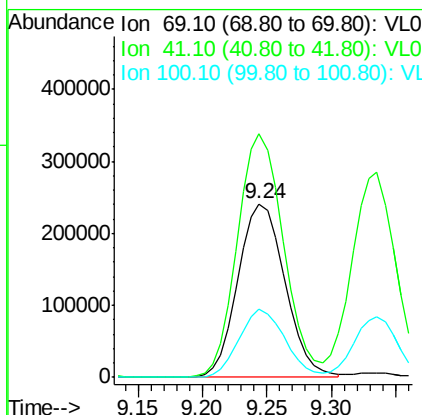
#43
Methvl Methacrvlate
Concen: 10.03 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tot Ion	Ratio	Lower	Upper
69	100		
41	139.3	108.4	162.6
100	38.6	30.6	45.8

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

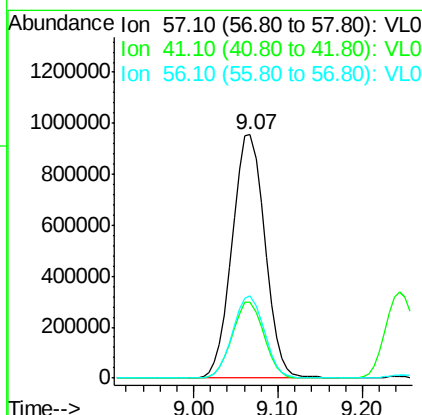
Manual Integrations
APPROVED

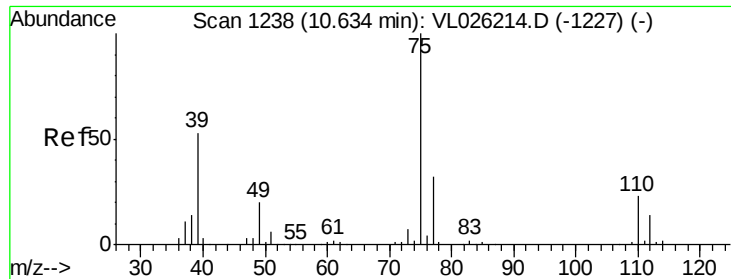
MMDadoda
10/22/2015 4:31:52 PM



#44
2,2,4-Trimethylpentane
Concen: 9.31 ppbv
RT: 9.07 min Scan# 981
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.1	23.7	35.5
56	32.6	25.9	38.9





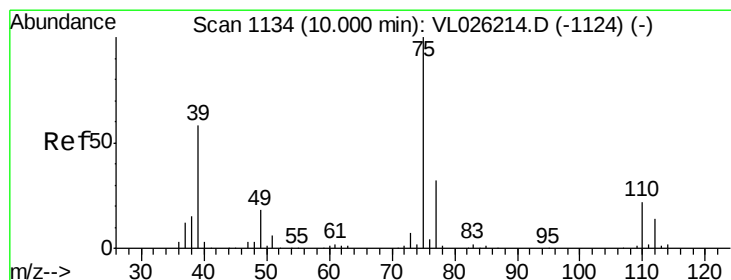
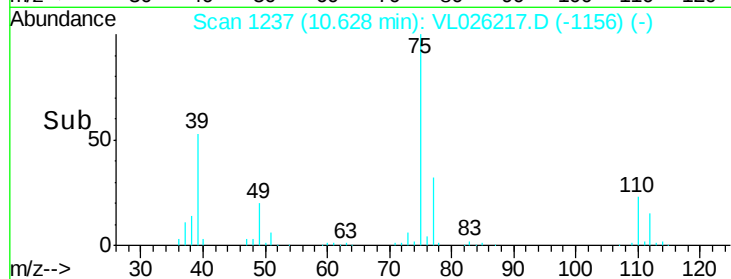
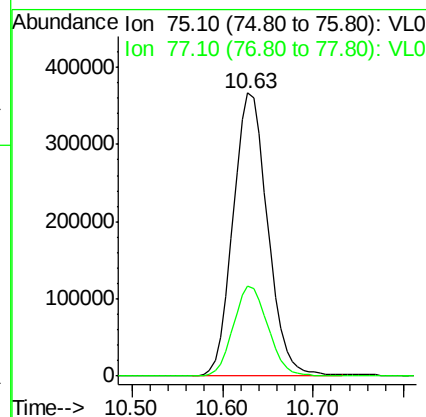
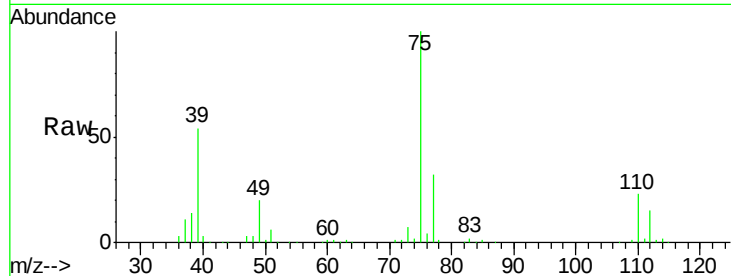
#45
 t-1,3-Dichloropropene
 Concen: 10.23 ppbv
 RT: 10.63 min Scan# 1237
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8

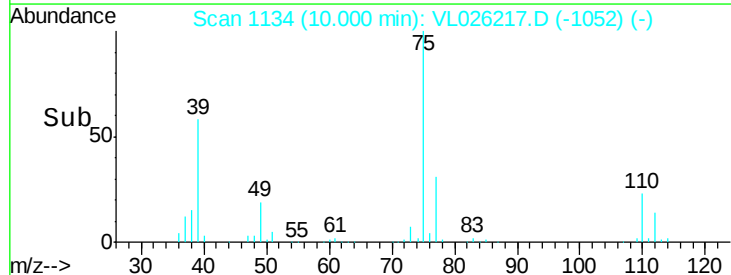
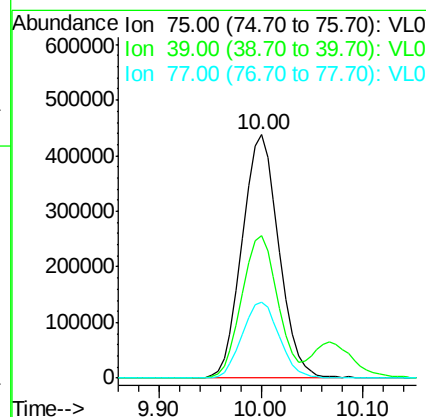
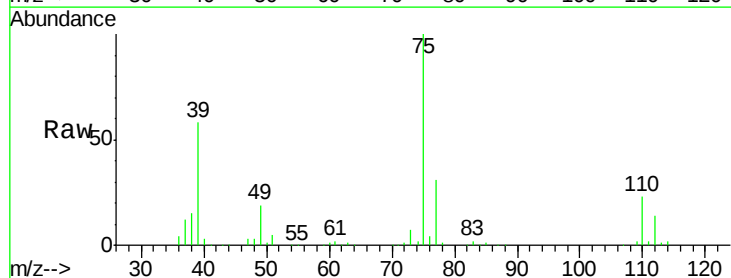
Manual Integrations
 APPROVED

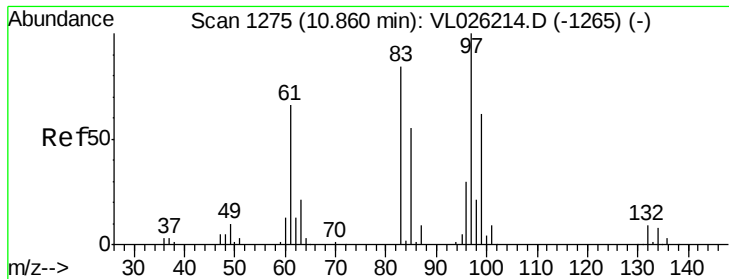
MMDadoda
 10/22/2015 4:31:52 PM



#46
 cis-1,3-Dichloropropene
 Concen: 9.83 ppbv
 RT: 10.00 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
75	100		
39	58.3	46.2	69.4
77	31.1	25.4	38.0





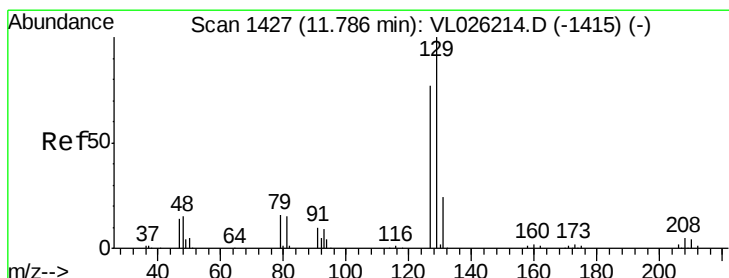
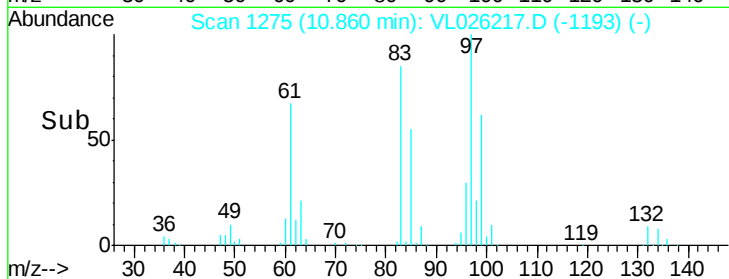
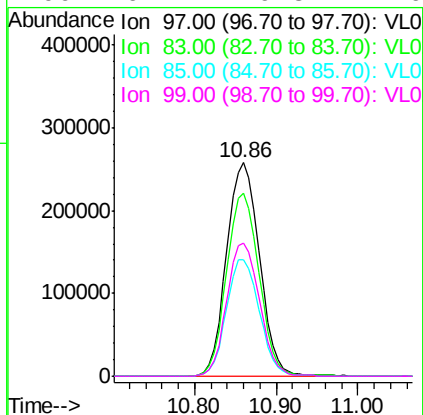
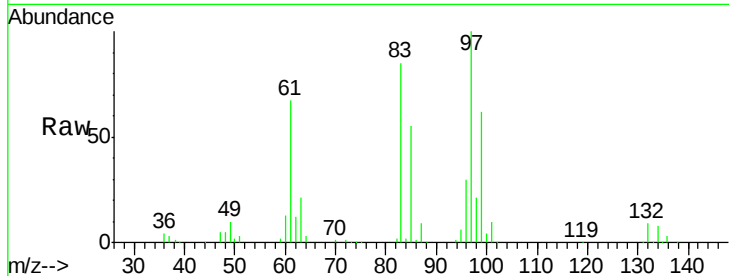
#47
 1,1,2-Trichloroethane
 Concen: 9.73 ppbv
 RT: 10.86 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.4	101.2
85	54.5	43.8	65.6
99	62.4	49.8	74.6

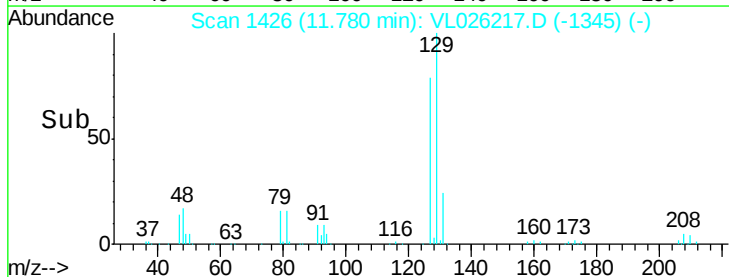
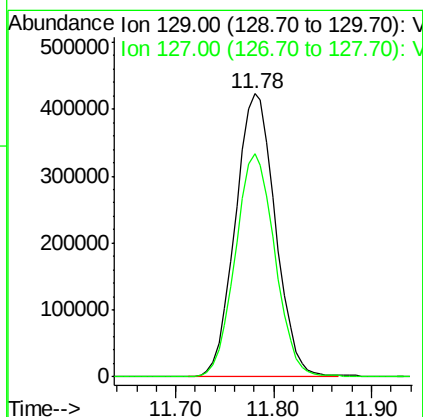
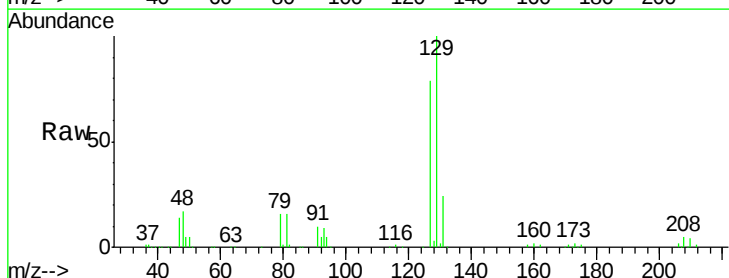
Manual Integrations
 APPROVED

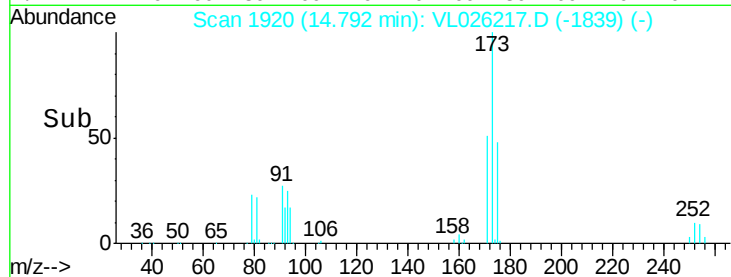
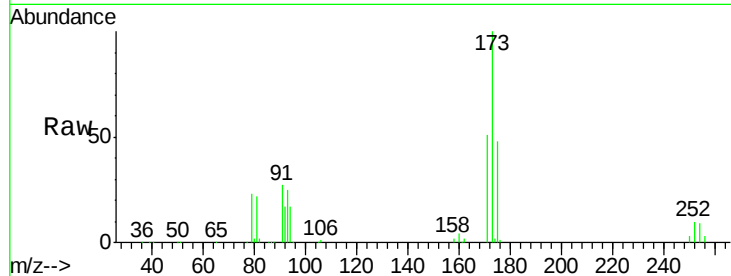
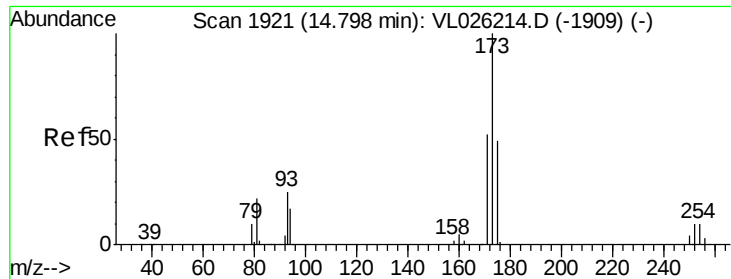
MMDadoda
 10/22/2015 4:31:52 PM



#48
 Dibromochloromethane
 Concen: 9.92 ppbv
 RT: 11.78 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.5





#49

Bromoform

Concen: 10.14 ppbv

RT: 14.79 min Scan# 1920

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tot Ion: 173 Resp: 1033621

Ion Ratio Lower Upper

173 100

175 48.2 38.7 58.1

171 51.6 41.6 62.4

Instrument :

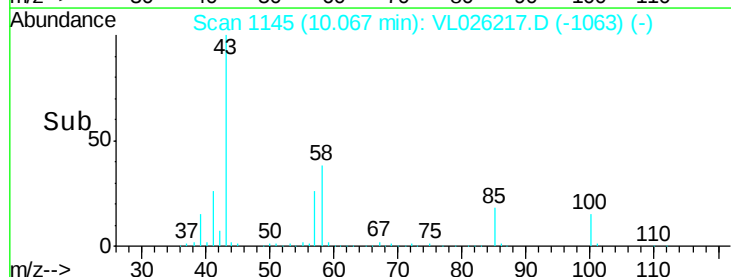
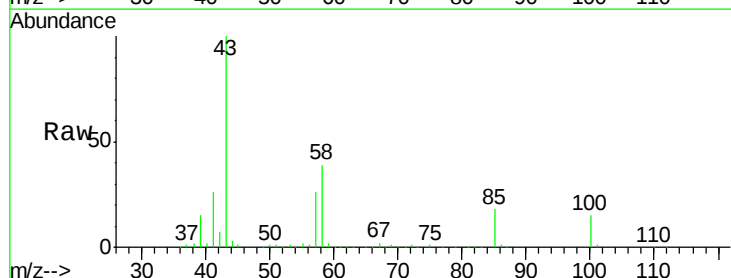
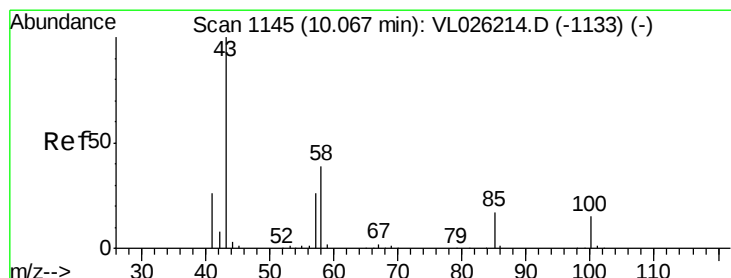
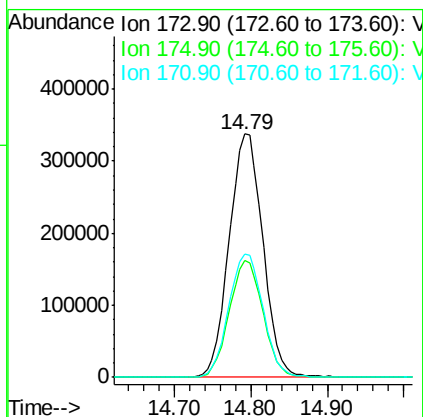
MSVOA_L

ClientSampleId :

VL1020ABS01

Manual Integrations
APPROVED

MMDadoda
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#50

4-Methyl-2-Pentanone

Concen: 9.91 ppbv

RT: 10.07 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VL026217.D

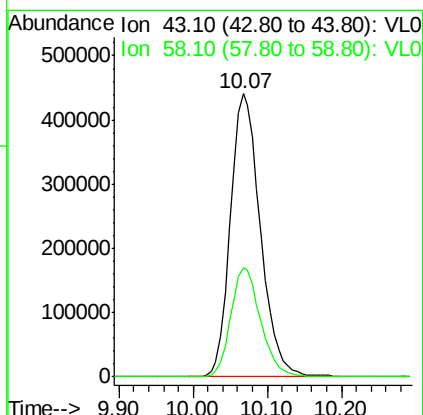
Acq: 20 Oct 2015 21:49

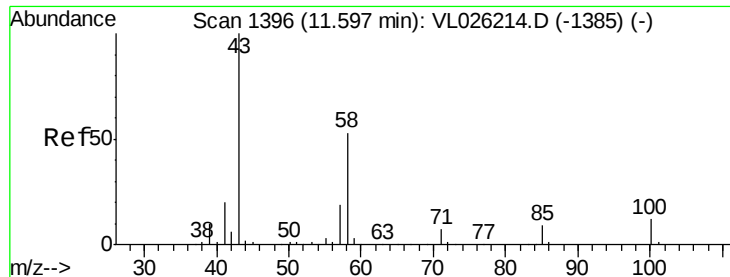
Tgt Ion: 43 Resp: 1244937

Ion Ratio Lower Upper

43 100

58 38.5 31.1 46.7





#51

2-Hexanone

Concen: 10.19 ppbv

RT: 11.60 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 43 Resp: 1196107

Ion Ratio Lower Upper

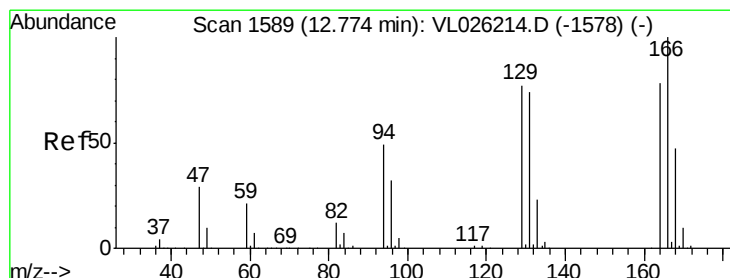
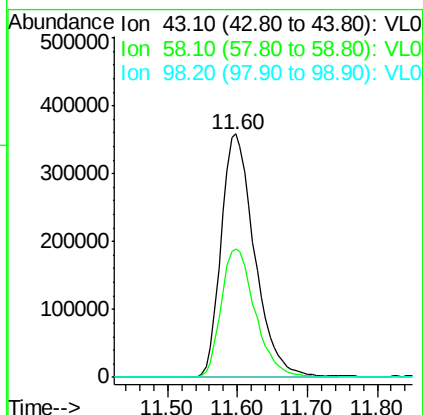
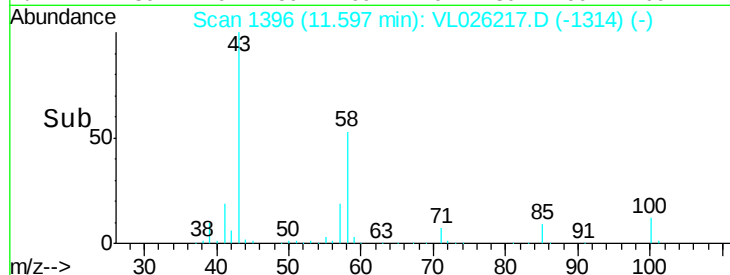
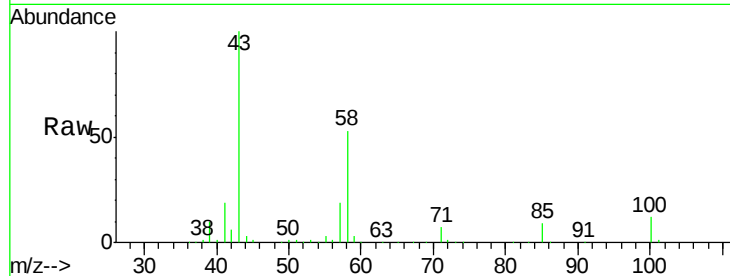
43 100

58 53.7 43.2 64.8

98 0.0 0.0 0.0

Manual Integrations
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#52

Tetrachloroethene

Concen: 7.79 ppbv

RT: 12.77 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion: 164 Resp: 749627

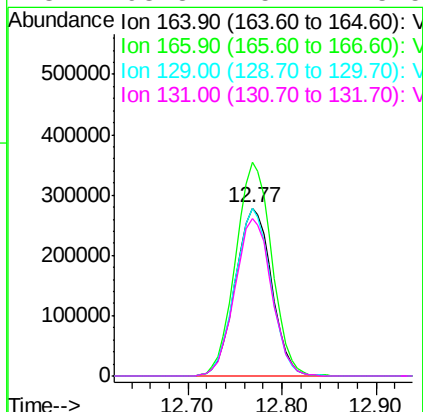
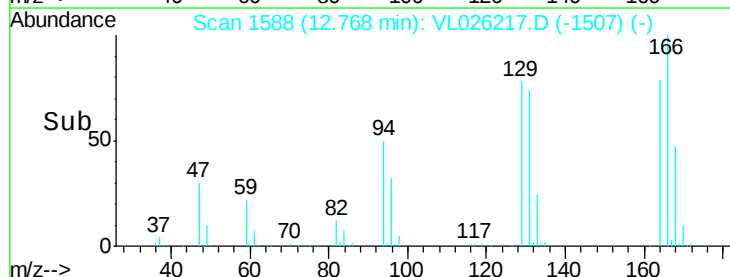
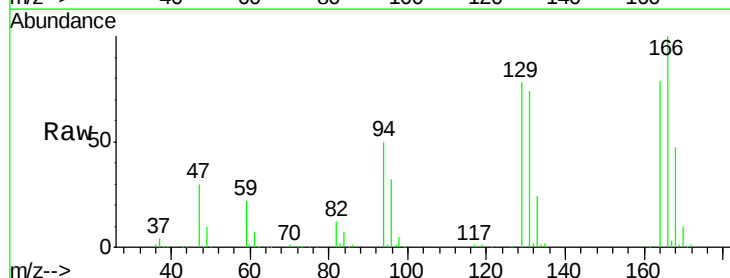
Ion Ratio Lower Upper

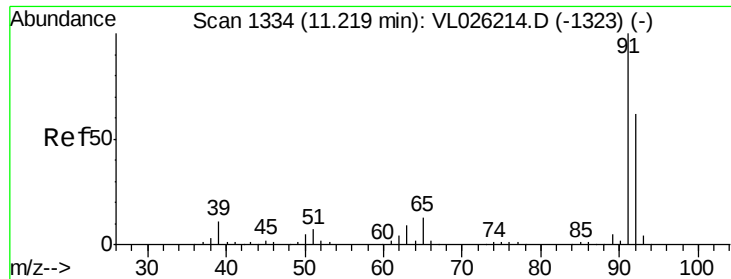
164 100

166 127.3 102.3 153.5

129 99.9 78.2 117.4

131 93.8 75.7 113.5





#53

Toluene

Concen: 9.42 ppbv

RT: 11.21 min Scan# 1333

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 91 Resp: 2148766

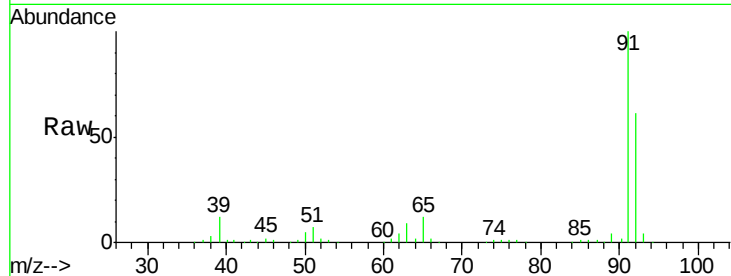
Ion Ratio Lower Upper

91 100

92 61.1 49.2 73.8

Manual Integrations
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

11.21

800000

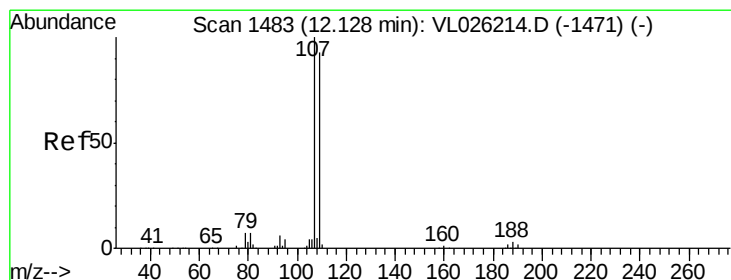
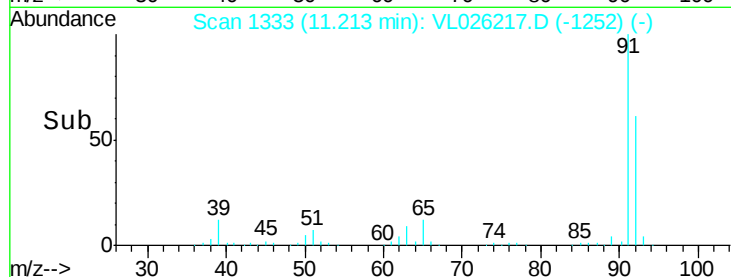
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.67 ppbv

RT: 12.12 min Scan# 1482

Delta R.T. -0.01 min

Lab File: VL026217.D

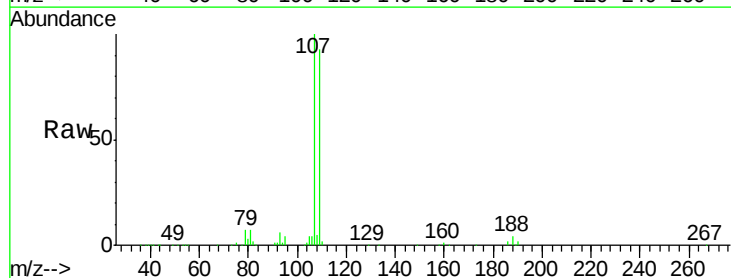
Acq: 20 Oct 2015 21:49

Tgt Ion: 107 Resp: 1109388

Ion Ratio Lower Upper

107 100

109 93.2 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12.12

400000

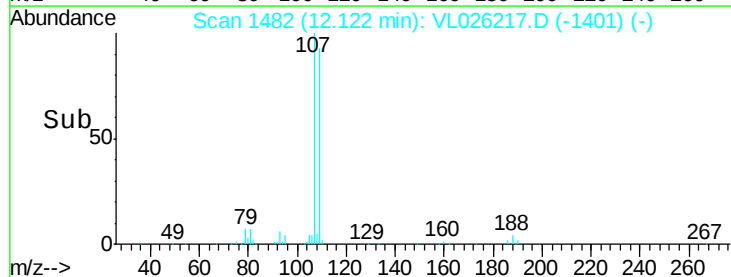
300000

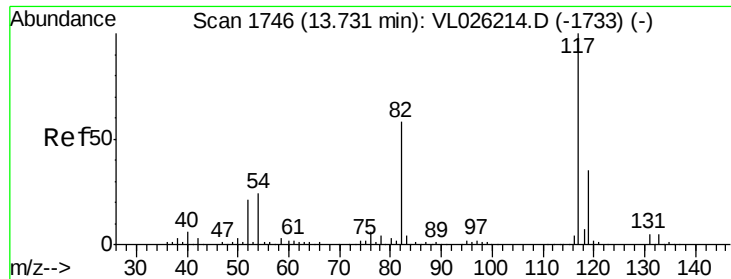
200000

100000

0

Time-->





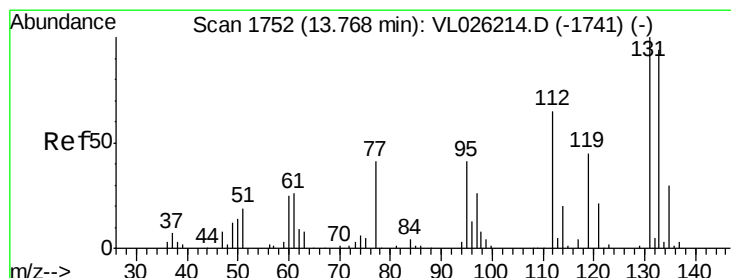
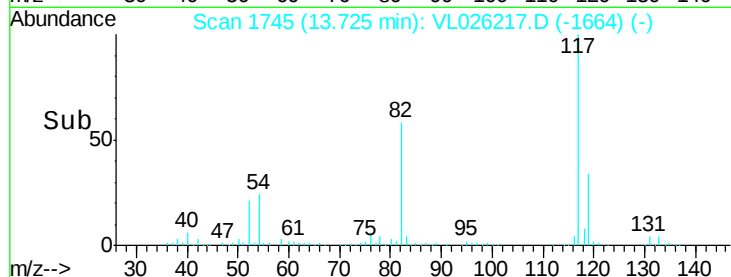
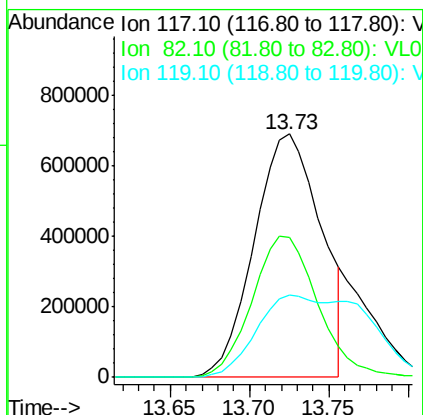
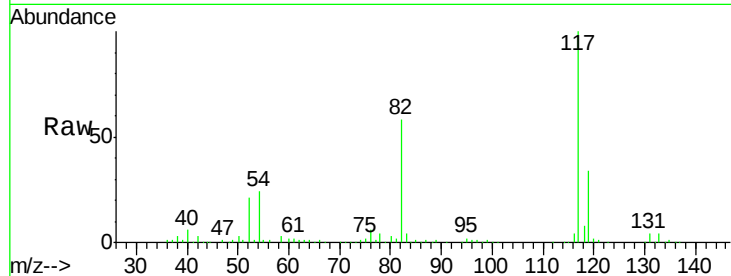
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 13.73 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.8	68.8
119	57.6	45.0	67.4

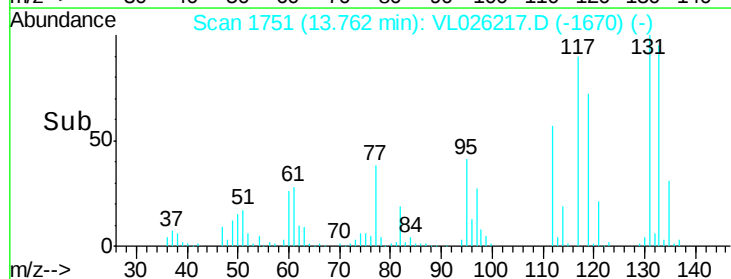
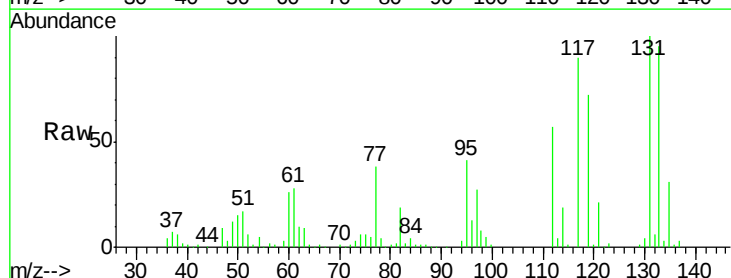
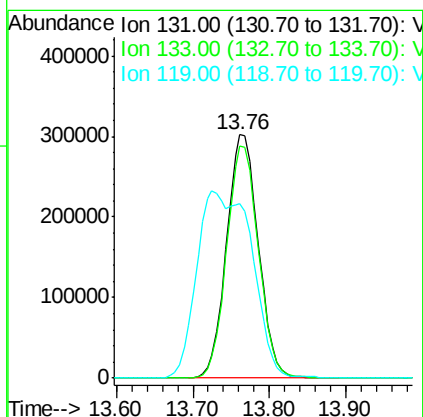
Manual Integrations
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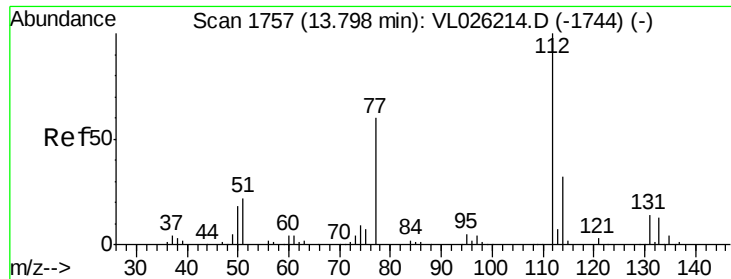
MMDadoda
10/22/2015 4:31:52 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.97 ppbv
RT: 13.76 min Scan# 1751
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	75.9	113.9
119	133.8	108.0	162.0





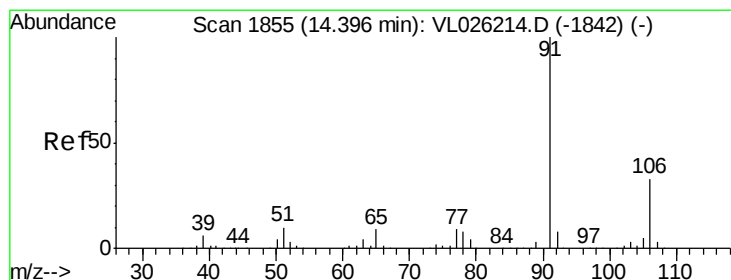
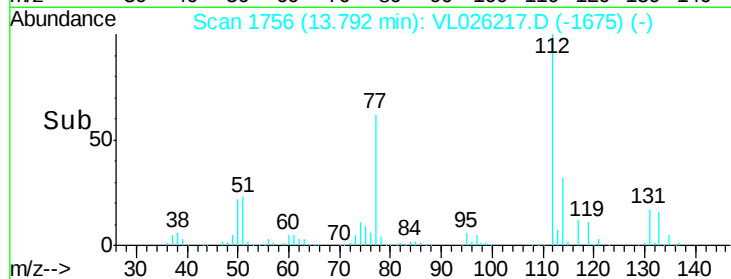
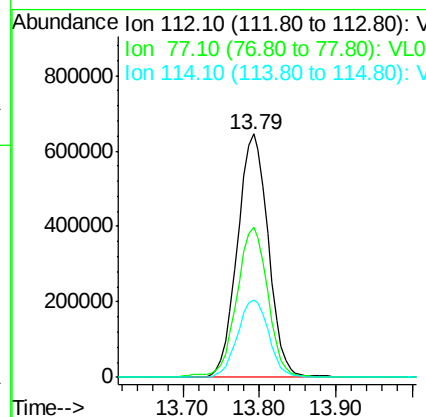
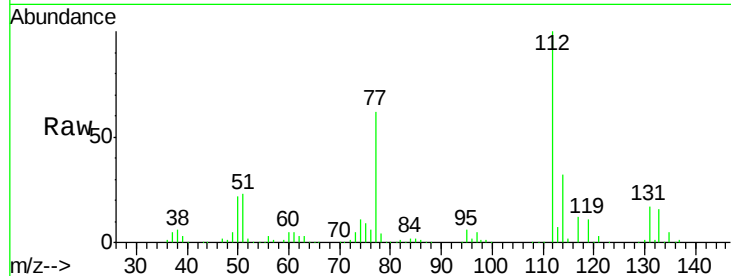
#57
Chlorobenzene
Concen: 9.33 ppbv
RT: 13.79 min Scan# 1756
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion: 112 Resp: 1805428
Ion Ratio Lower Upper
112 100
77 61.7 48.4 72.6
114 31.8 29.0 35.4

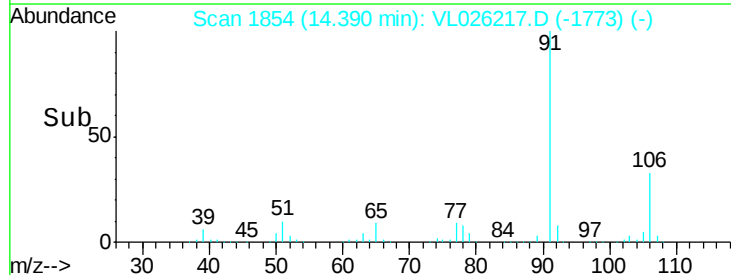
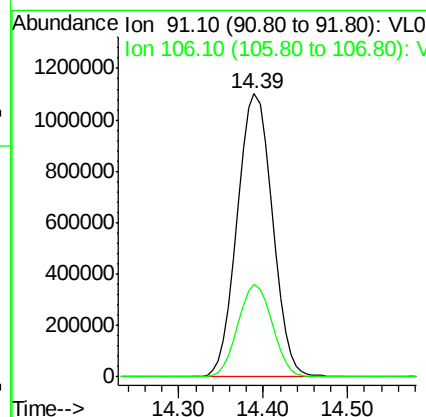
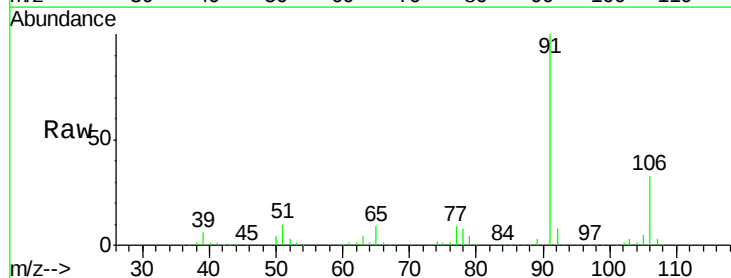
Manual Integrations
APPROVED

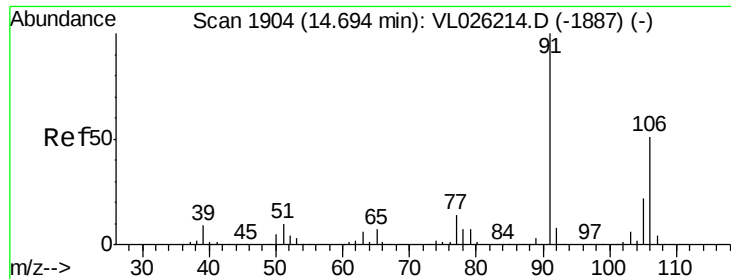
MMDadoda
10/22/2015 4:31:52 PM



#58
Ethyl Benzene
Concen: 9.55 ppbv
RT: 14.39 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 91 Resp: 3126820
Ion Ratio Lower Upper
91 100
106 32.6 26.1 39.1





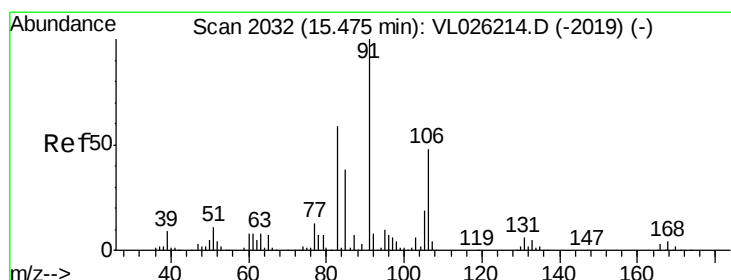
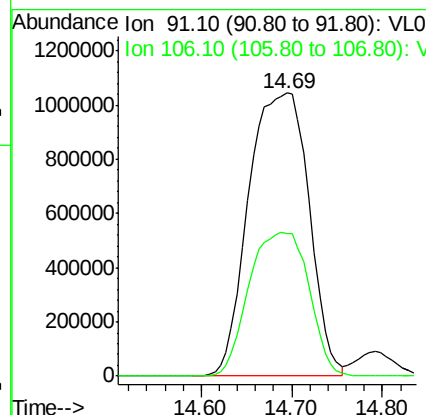
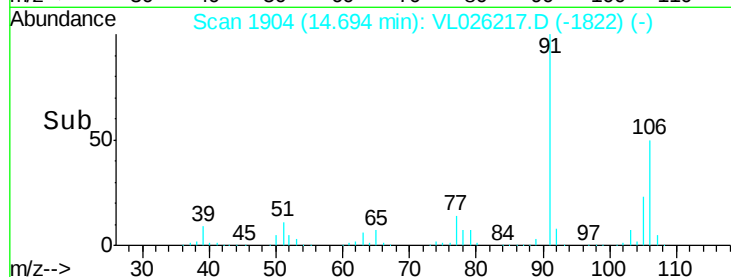
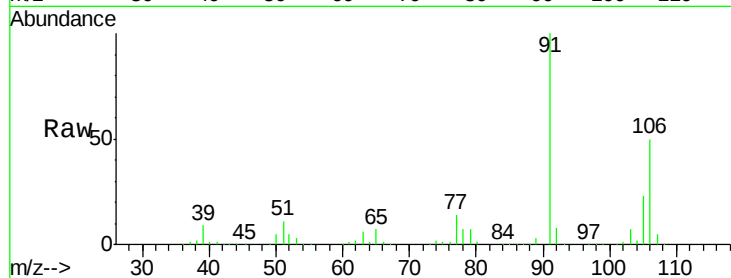
#59
m/p-Xylene
Concen: 18.67 ppbv
RT: 14.69 min Scan# 1904
Delta R.T. 0.00 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion: 91 Resp: 4787980
Ion Ratio Lower Upper
91 100
106 50.9 40.6 61.0

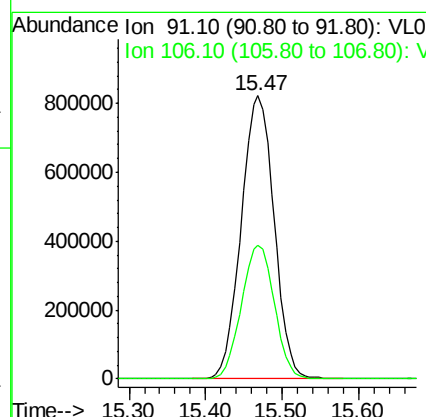
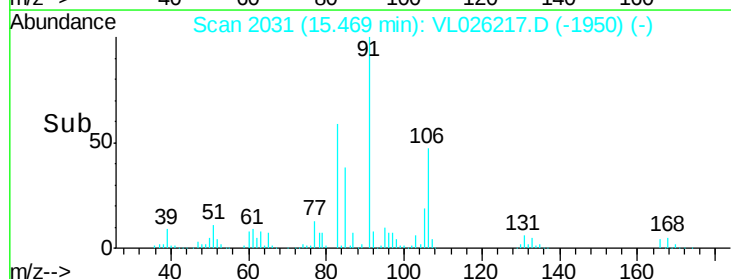
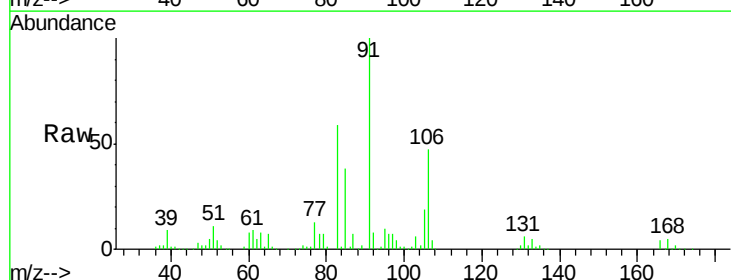
Manual Integrations
APPROVED

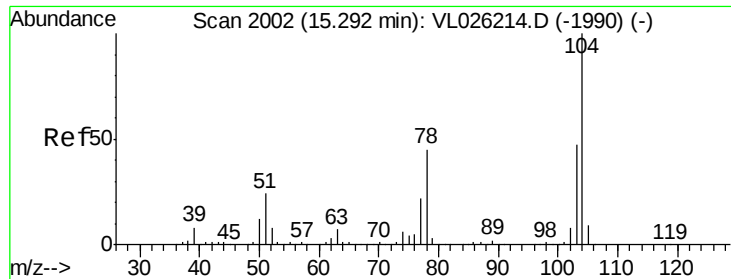
MMDadoda
10/22/2015 4:31:52 PM



#60
o-Xylene
Concen: 9.17 ppbv
RT: 15.47 min Scan# 2031
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 91 Resp: 2457958
Ion Ratio Lower Upper
91 100
106 47.6 23.8 71.5





#61

Stvrene

Concen: 10.24 ppbv

RT: 15.29 min Scan# 2001

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion:104 Resp: 1242257

Ion Ratio Lower Upper

104 100

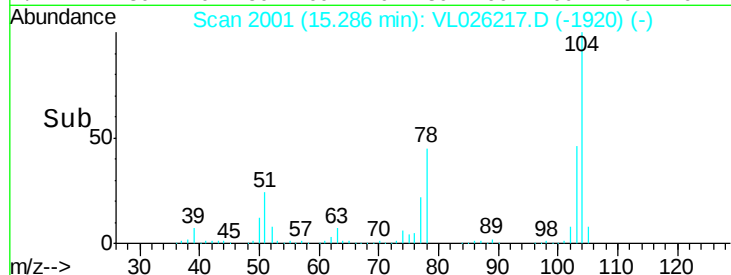
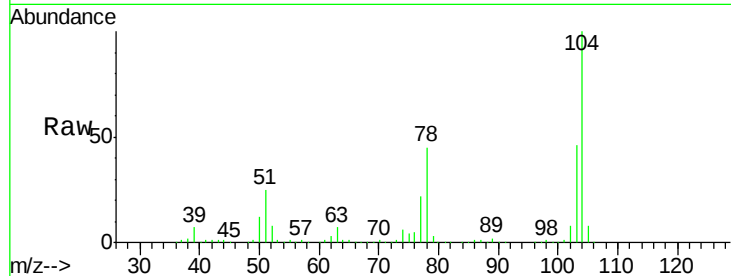
78 44.5 35.3 52.9

103 46.1 37.0 55.4

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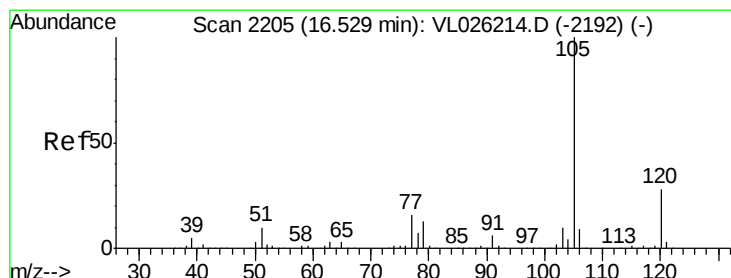
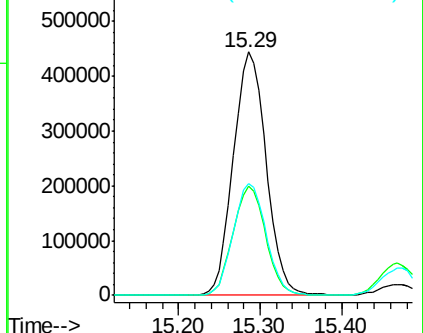
10/22/2015 4:31:52 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.40 ppbv

RT: 16.52 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VL026217.D

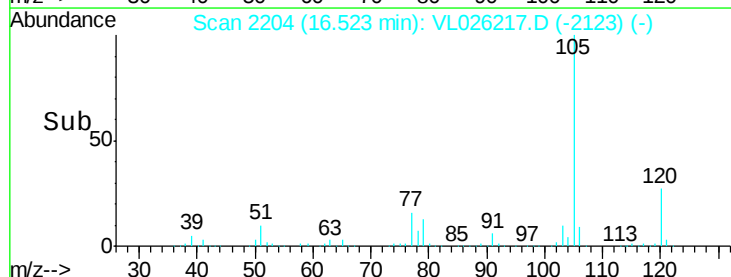
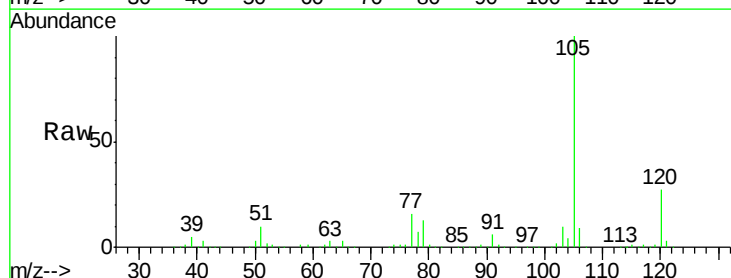
Acq: 20 Oct 2015 21:49

Tgt Ion:105 Resp: 3506072

Ion Ratio Lower Upper

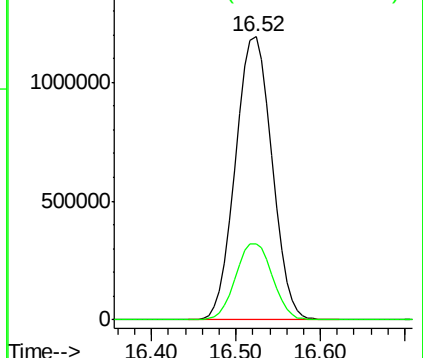
105 100

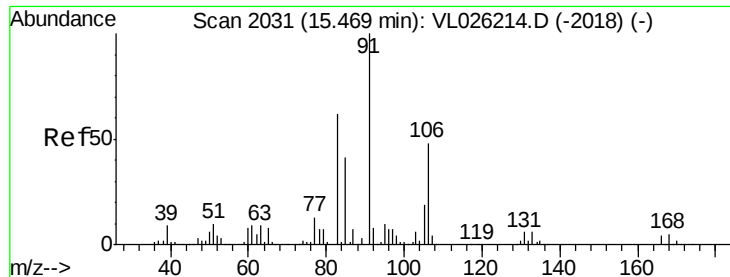
120 27.2 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





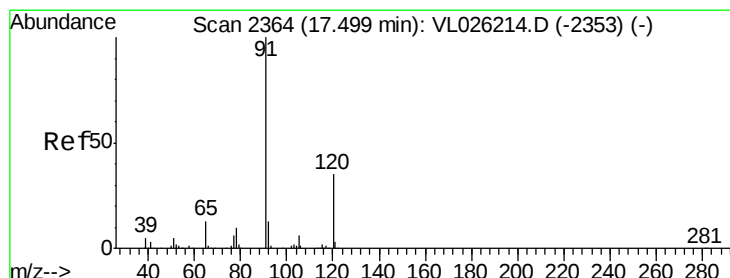
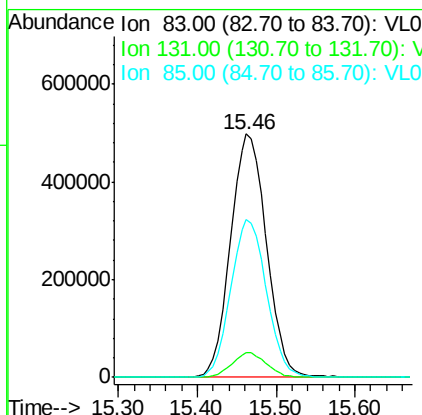
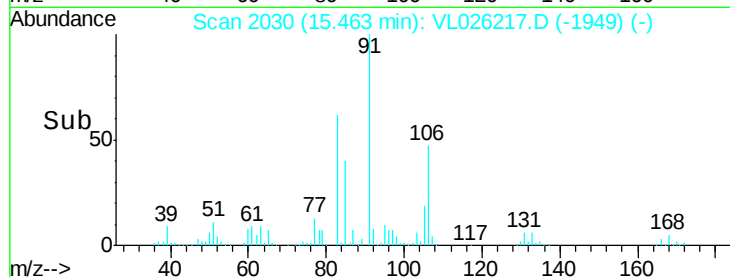
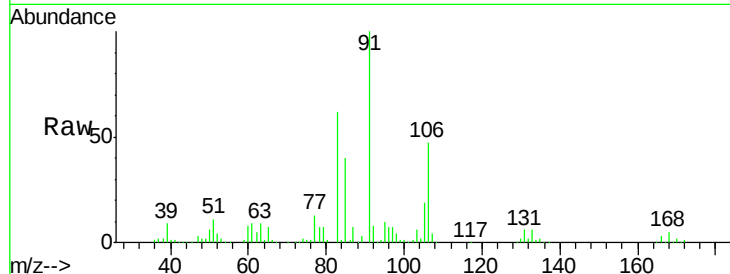
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.90 ppbv
 RT: 15.46 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion: 83 Resp: 1577546
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.0 14.9
 85 64.7 32.3 96.9

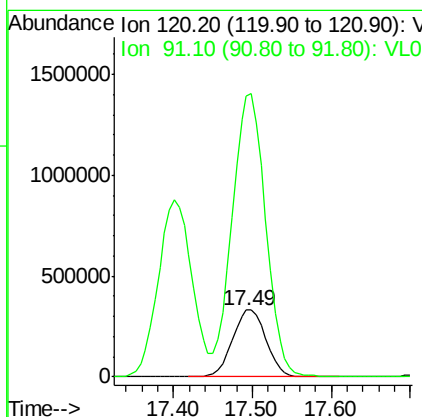
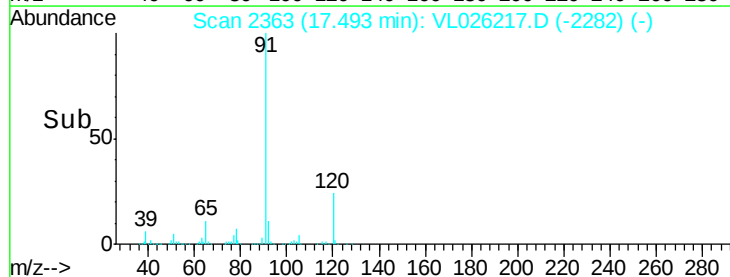
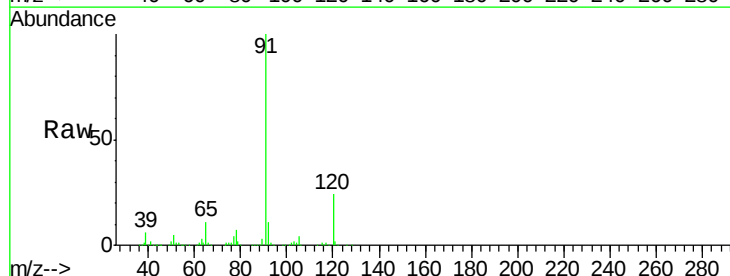
Manual Integrations
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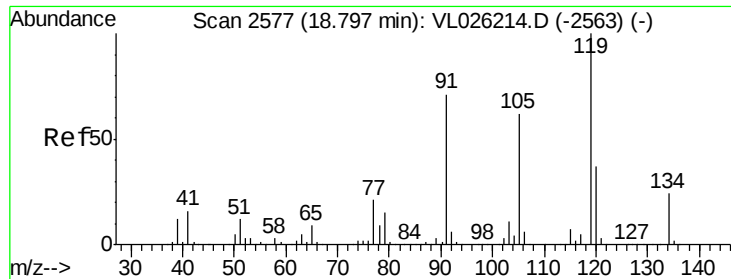
MMDadoda
 10/22/2015 4:31:52 PM



#64
 n-propylbenzene
 Concen: 9.56 ppbv
 RT: 17.49 min Scan# 2363
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 120 Resp: 980125
 Ion Ratio Lower Upper
 120 100
 91 421.1 331.7 497.5





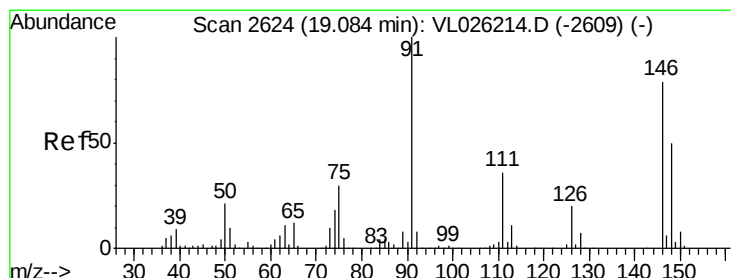
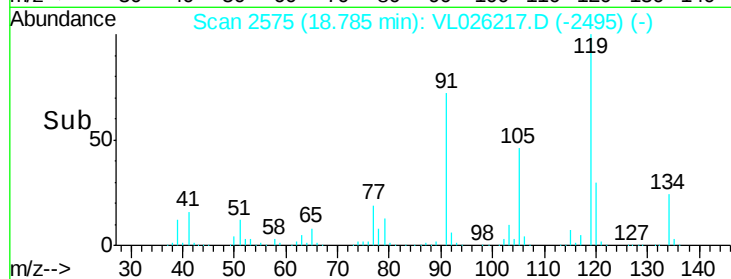
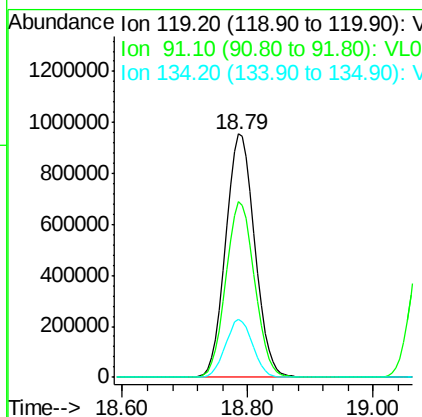
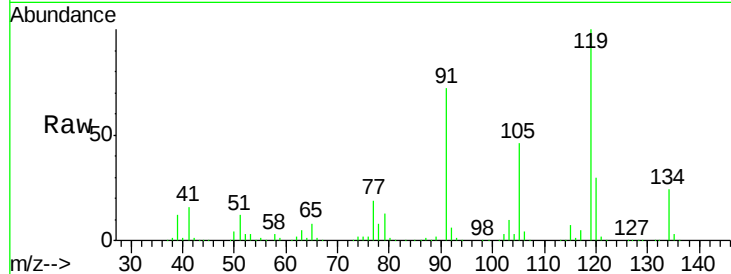
#65
tert-Butylbenzene
Concen: 9.00 ppbv
RT: 18.79 min Scan# 2575
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion:119 Resp: 3064152
Ion Ratio Lower Upper
119 100
91 71.7 57.5 86.3
134 22.3 18.1 27.1

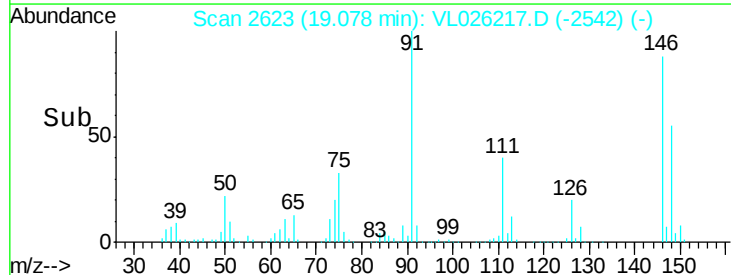
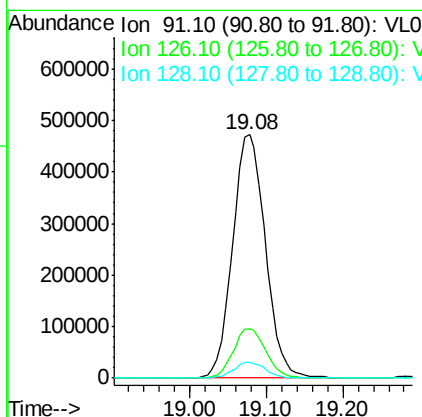
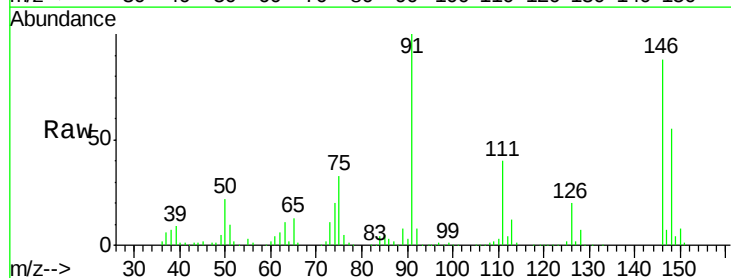
Manual Integrations
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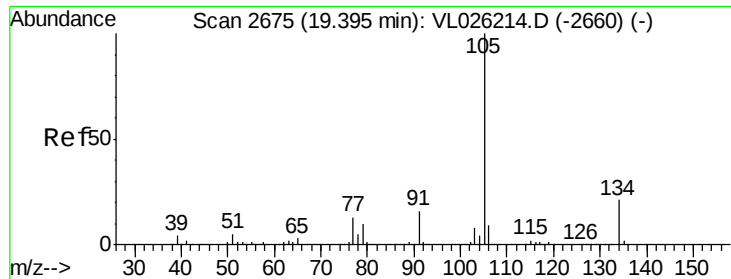
MMDadoda
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#66
Benzyl Chloride
Concen: 9.95 ppbv
RT: 19.08 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion: 91 Resp: 1398840
Ion Ratio Lower Upper
91 100
126 20.3 16.2 24.2
128 6.4 5.1 7.7





#67

sec-Butylbenzene

Concen: 9.27 ppbv

RT: 19.38 min Scan# 2673

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion: 105 Resp: 4398157

Ion Ratio Lower Upper

105 100

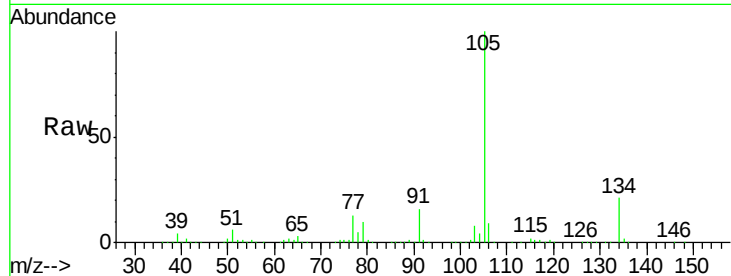
134 20.5 16.2 24.4

Manual Integrations

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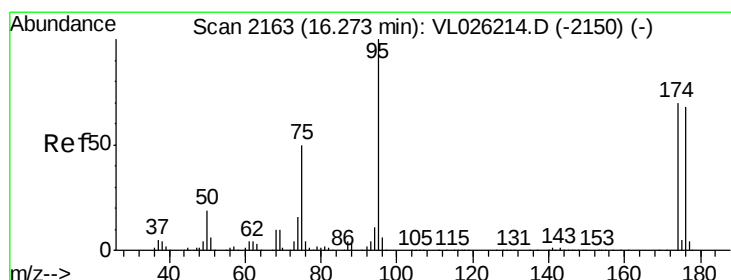
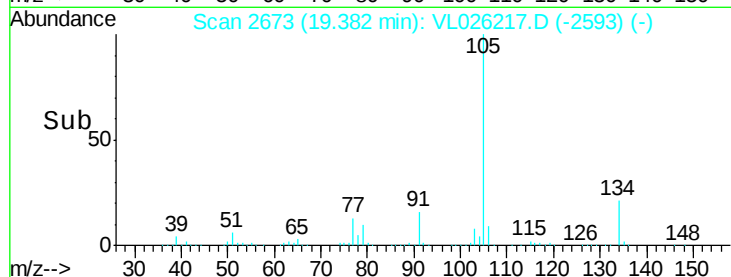
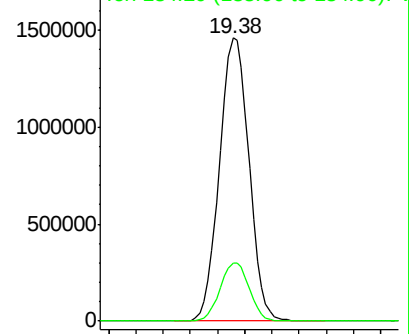
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.03 ppbv

RT: 16.26 min Scan# 2161

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

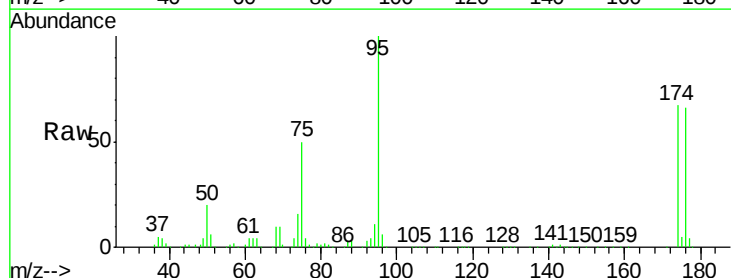
Tgt Ion: 95 Resp: 1563230

Ion Ratio Lower Upper

95 100

174 69.6 55.8 83.8

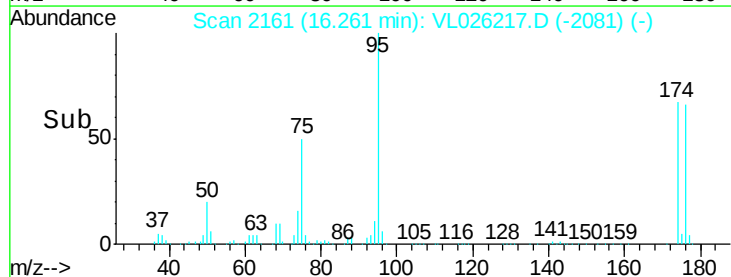
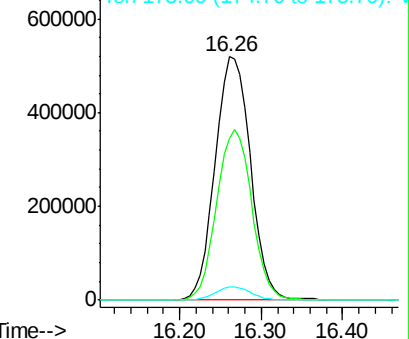
175 5.4 4.3 6.5

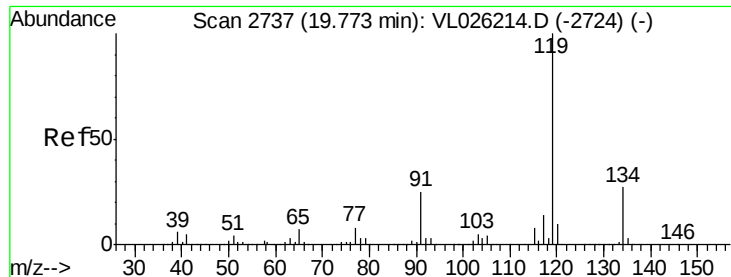


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





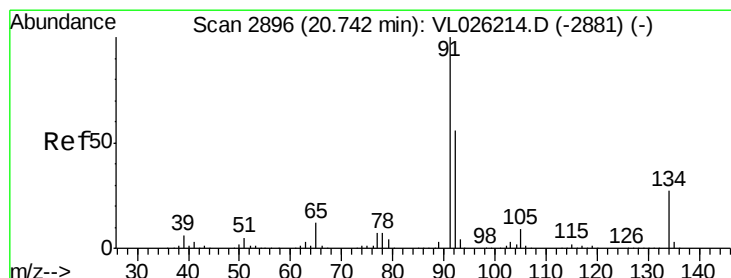
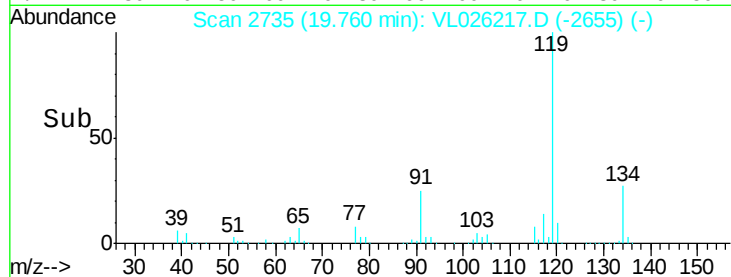
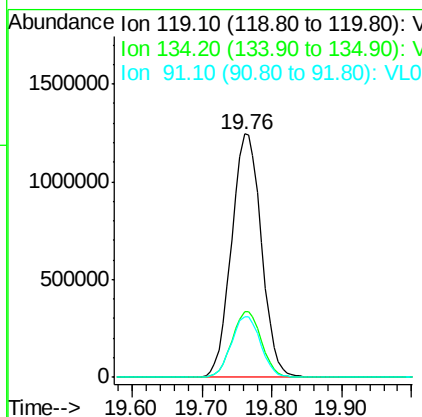
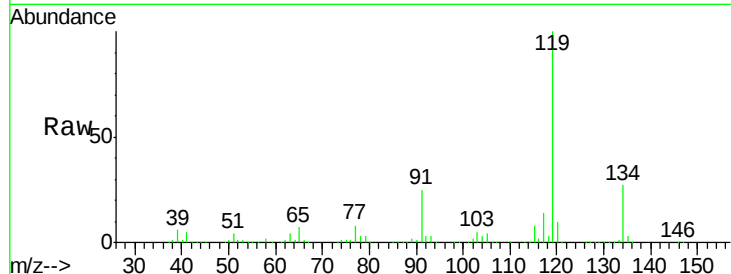
#69
 p-Isopropyltoluene
 Concen: 9.29 ppbv
 RT: 19.76 min Scan# 2735
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion: 119 Resp: 3688760
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.4 32.0
 91 24.7 19.5 29.3

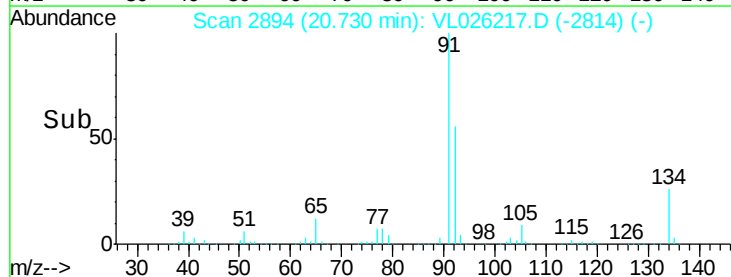
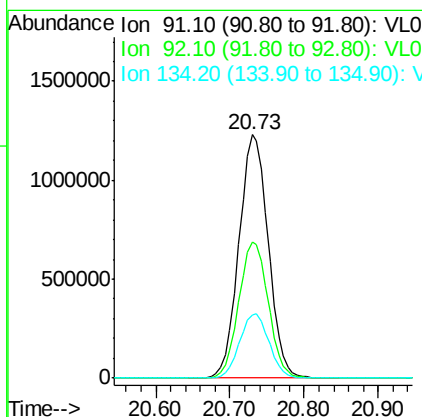
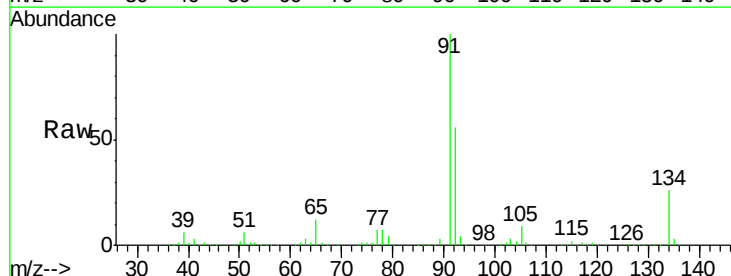
Manual Integrations
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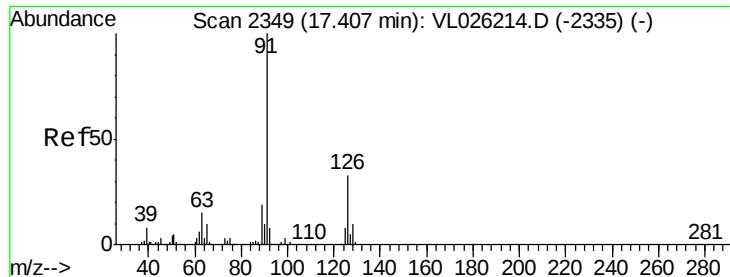
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#70
 n-Butylbenzene
 Concen: 9.39 ppbv
 RT: 20.73 min Scan# 2894
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 91 Resp: 3406668
 Ion Ratio Lower Upper
 91 100
 92 56.5 45.0 67.6
 134 26.6 21.4 32.0





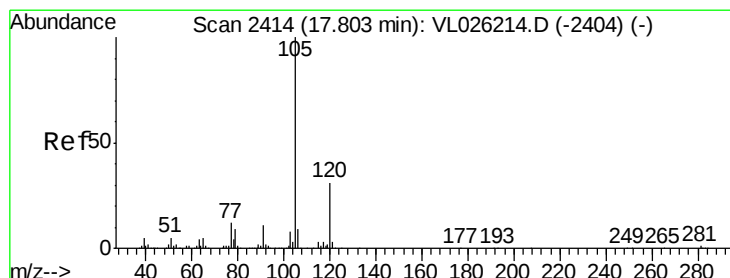
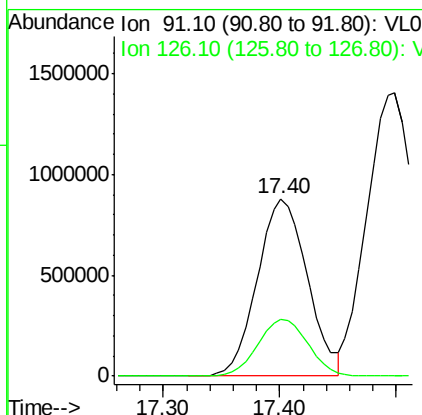
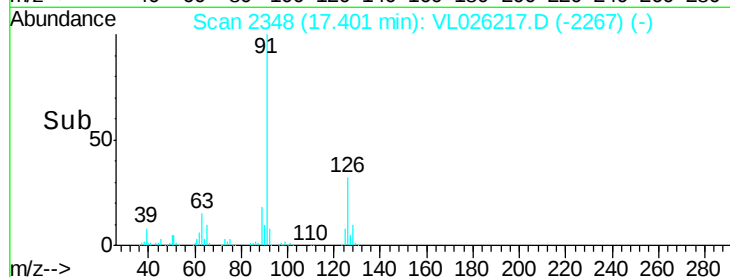
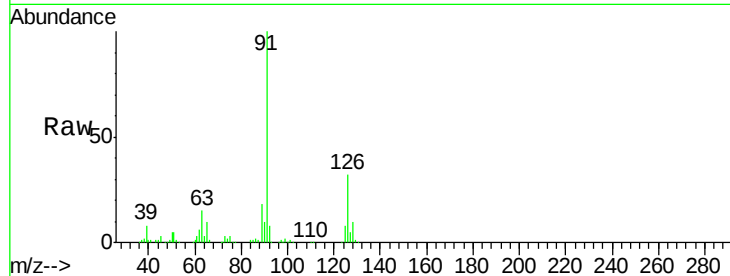
#71
 2-Chlorotoluene
 Concen: 9.57 ppbv
 RT: 17.40 min Scan# 2348
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion: 91 Resp: 2627191
 Ion Ratio Lower Upper
 91 100
 126 32.1 12.9 51.7

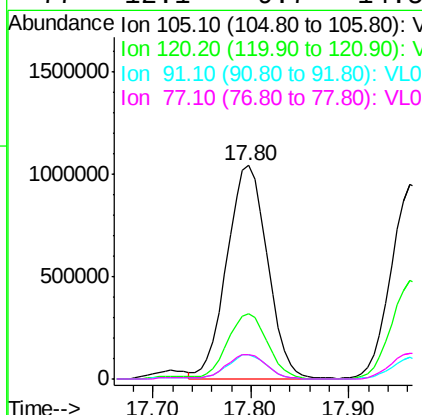
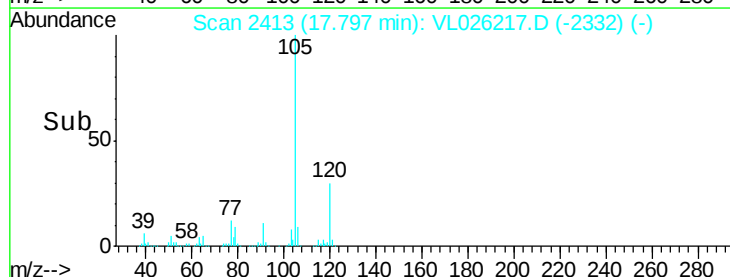
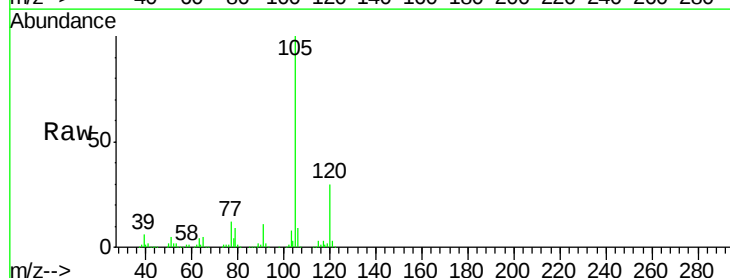
Manual Integrations
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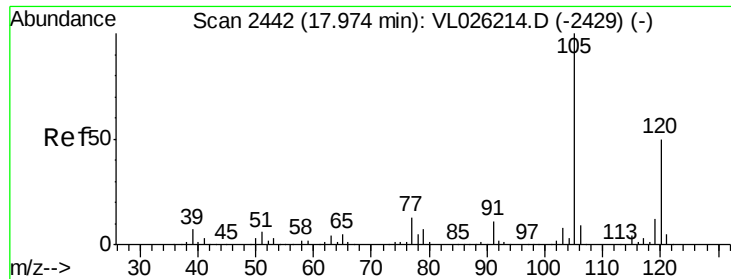
MMDadoda
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#72
 4-Ethyltoluene
 Concen: 9.64 ppbv
 RT: 17.80 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion: 105 Resp: 3006647
 Ion Ratio Lower Upper
 105 100
 120 31.5 25.2 37.8
 91 11.5 9.0 13.6
 77 12.1 9.7 14.5





#73

1,3,5-Trimethylbenzene

Concen: 9.54 ppbv

RT: 17.96 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion:105 Resp: 2773522

Ion Ratio Lower Upper

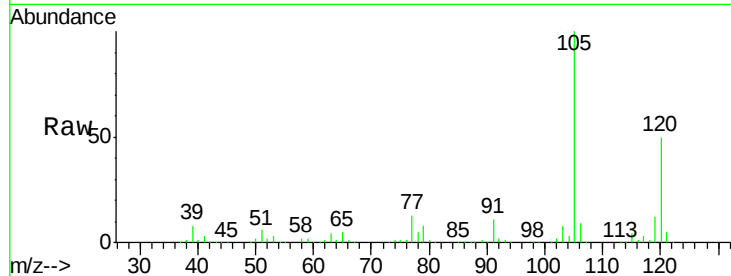
105 100

120 50.3 39.8 59.6

Manual Integrations
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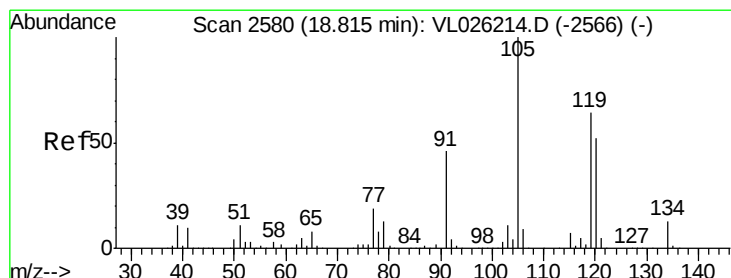
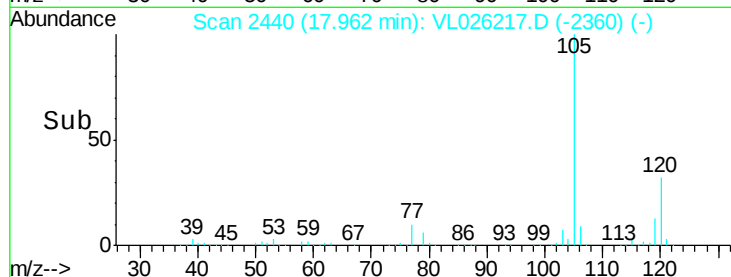
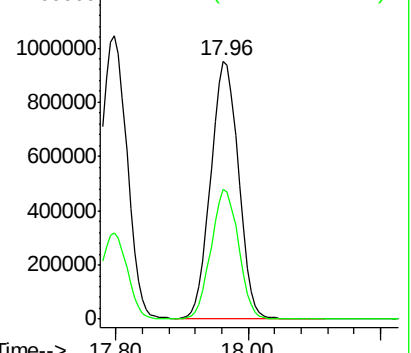
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.96 ppbv

RT: 18.81 min Scan# 2579

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Tgt Ion:105 Resp: 2701715

Ion Ratio Lower Upper

105 100

120 50.6 41.2 61.8

91 43.9 37.2 55.8

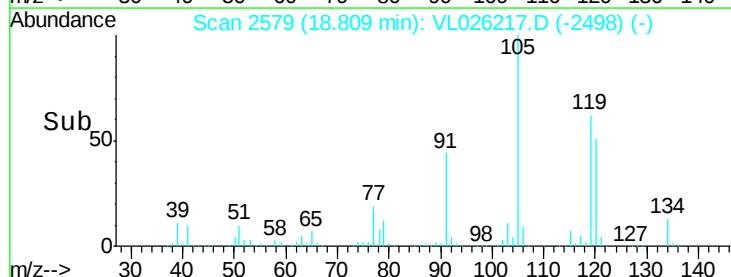
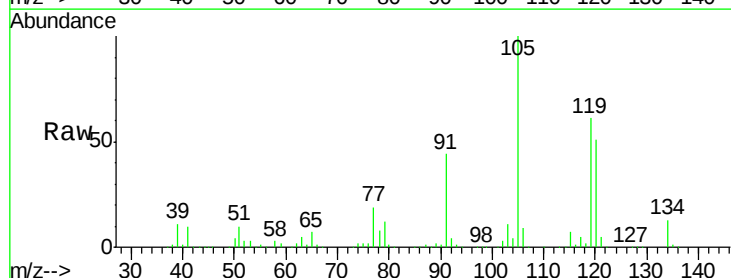
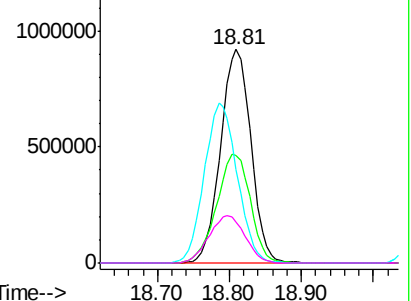
77 19.1 15.6 23.4

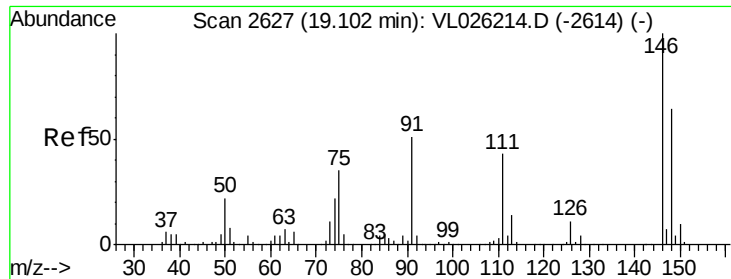
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 9.26 ppbv

RT: 19.10 min Scan# 2626

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

Instrument :

MSVOA_L

ClientSampleId :

VL1020ABS01

Tot Ion:146 Resp: 1824935

Ion Ratio Lower Upper

146 100

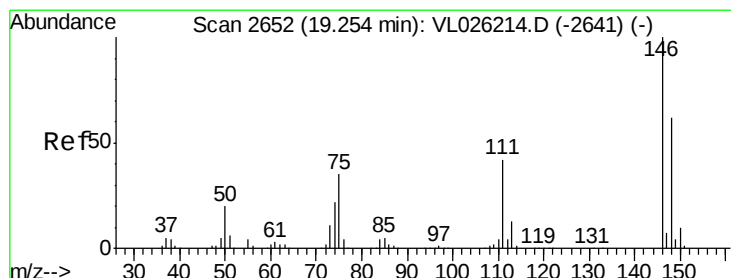
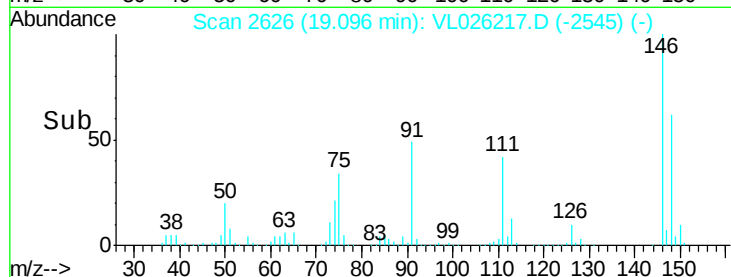
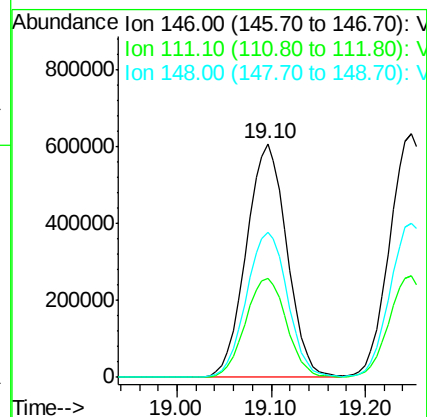
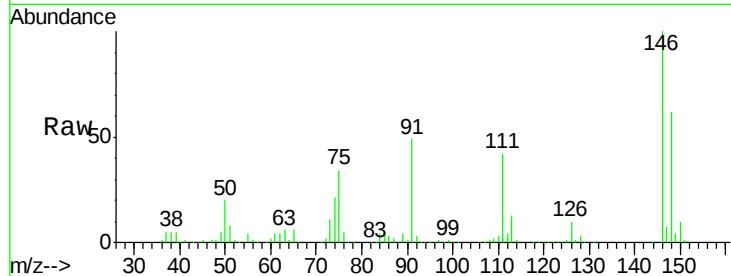
111 43.1 21.6 64.8

148 63.2 31.8 95.4

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 9.34 ppbv

RT: 19.25 min Scan# 2651

Delta R.T. -0.01 min

Lab File: VL026217.D

Acq: 20 Oct 2015 21:49

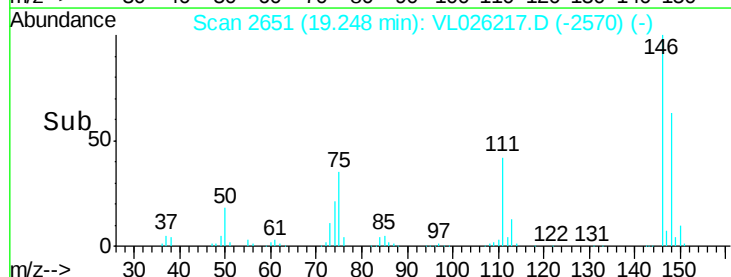
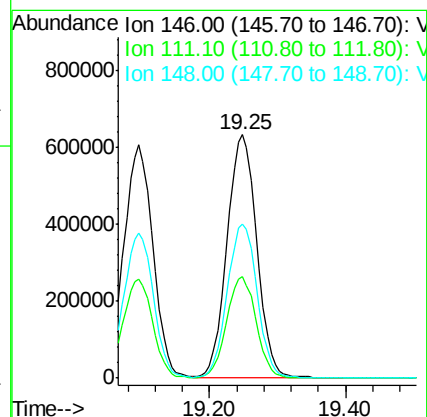
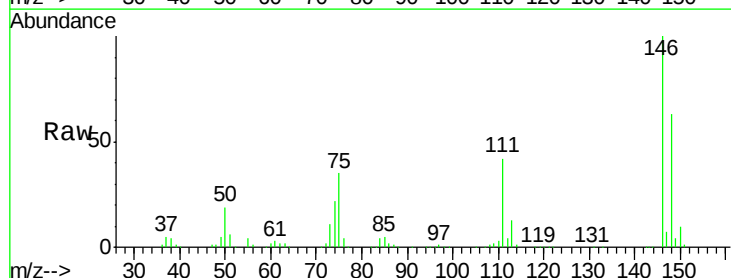
Tgt Ion:146 Resp: 1921276

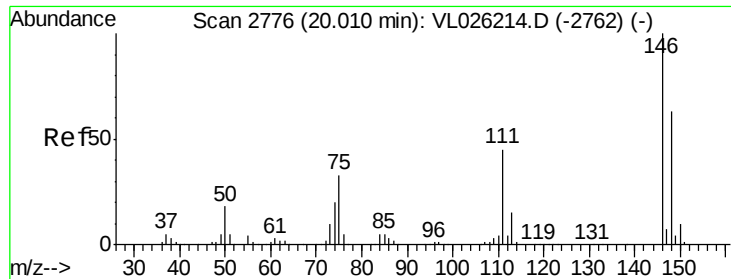
Ion Ratio Lower Upper

146 100

111 41.6 20.8 62.2

148 64.1 31.9 95.9





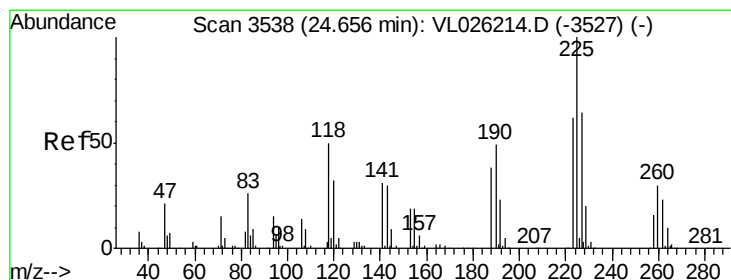
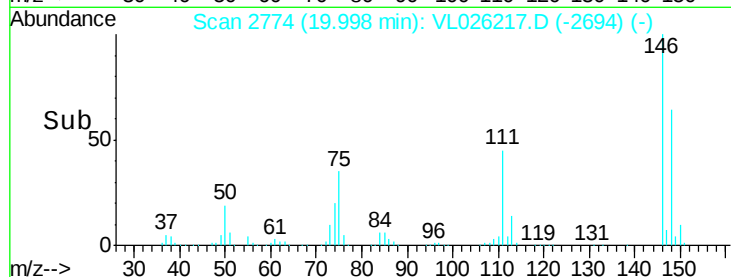
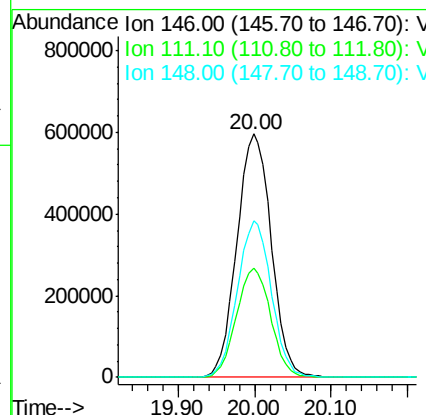
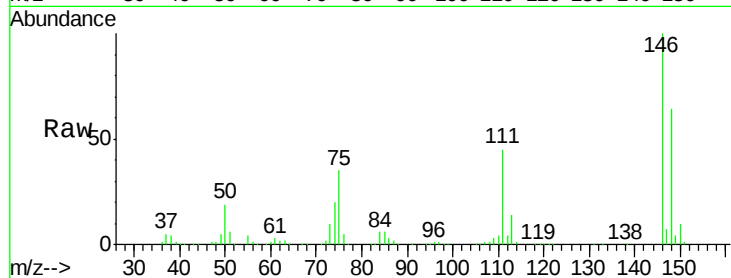
#77
 1,2-Dichlorobenzene
 Concen: 9.36 ppbv
 RT: 20.00 min Scan# 2774
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.6	67.7
148	63.6	31.6	95.0

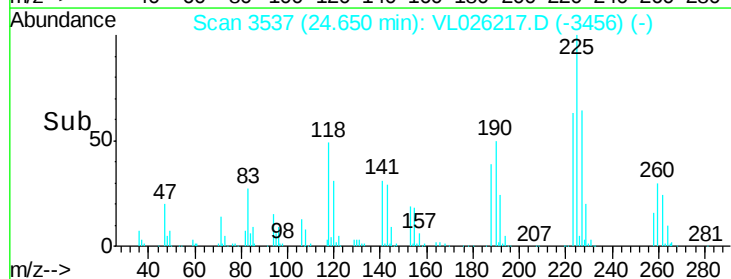
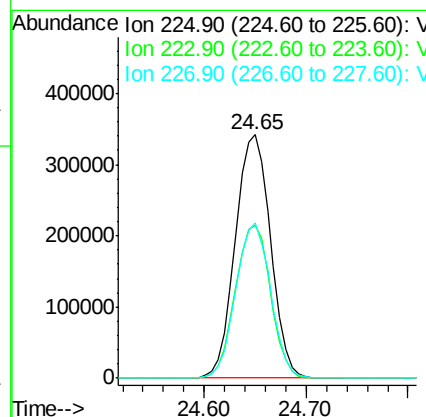
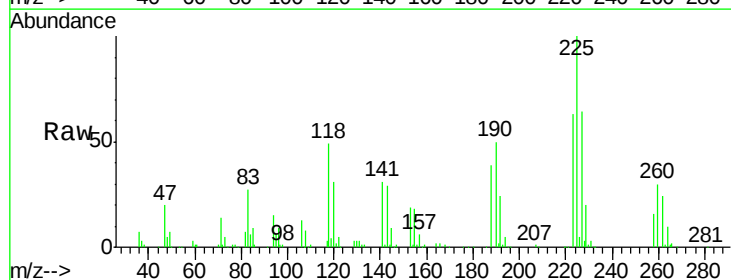
Manual Integrations
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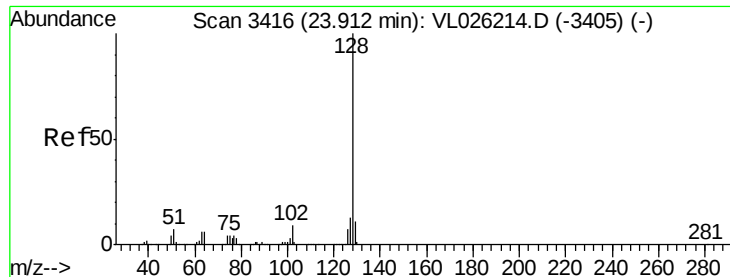
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.04 ppbv
 RT: 24.65 min Scan# 3537
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.2
227	62.8	50.8	76.2





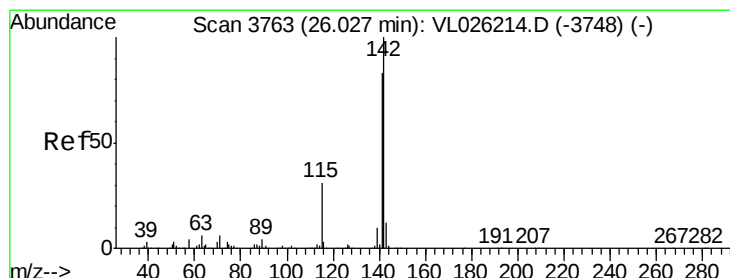
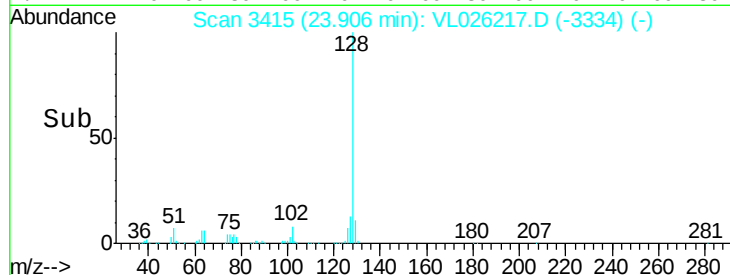
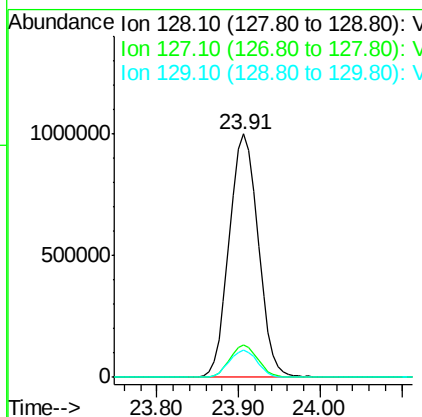
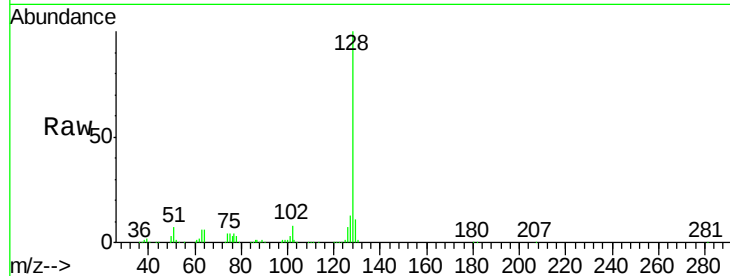
#79
Naphthalene
Concen: 9.29 ppbv
RT: 23.91 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Instrument :
MSVOA_L
ClientSampleId :
VL1020ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.2	8.8	13.2

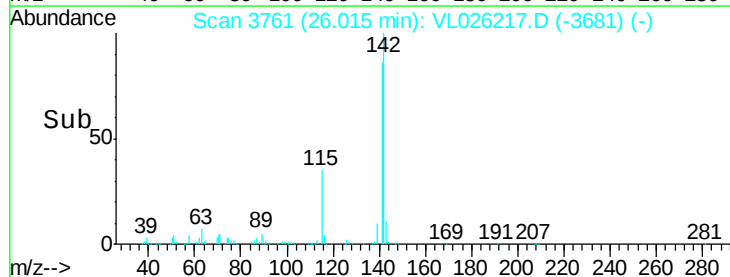
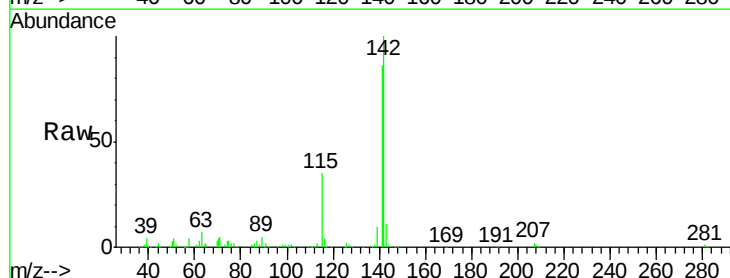
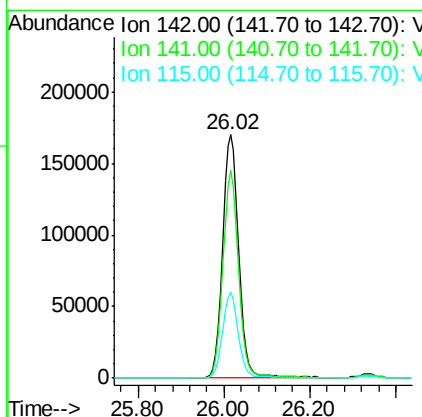
Manual Integrations
APPROVED

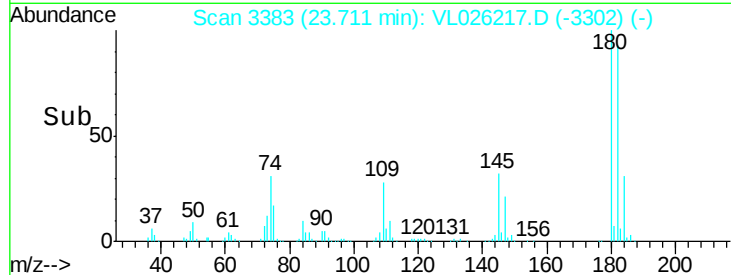
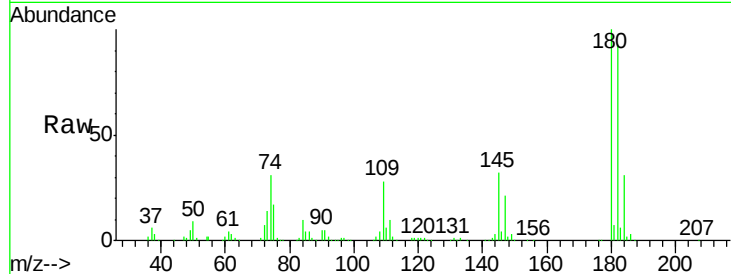
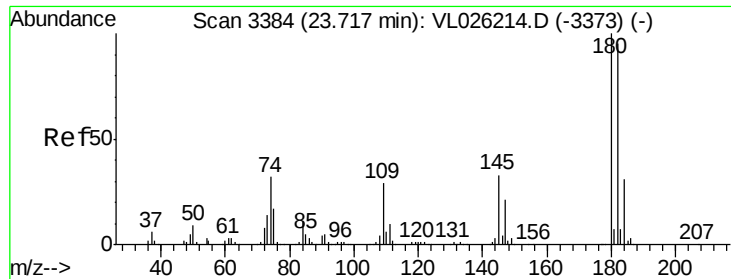
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#80
Naphthalene, 2-methyl-
Concen: 9.51 ppbv
RT: 26.02 min Scan# 3761
Delta R.T. -0.01 min
Lab File: VL026217.D
Acq: 20 Oct 2015 21:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.5	66.5	99.7
115	35.1	24.2	36.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.82 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. -0.01 min
 Lab File: VL026217.D
 Acq: 20 Oct 2015 21:49

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.7	115.1
184	30.4	24.2	36.2

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1020ABS01

Manual Integrations
 APPROVED

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