

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026208.D
 Acq On : 20 Oct 2015 11:54
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:31:20 PM

Quant Time: Oct 20 14:09:43 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 12:43:06 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	605044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.30	114	1809744	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.71	117	2163150	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1680040	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.63	85	132817	1.10	ppbv	94
3) Chlorodifluoromethane	3.56	51	79874	1.11	ppbv	96
4) Chloromethane	3.74	50	41560	1.03	ppbv	100
5) Vinyl Chloride	3.87	62	43994	1.08	ppbv	92
6) Bromomethane	4.13	94	31969	1.08	ppbv	100
7) Chloroethane	4.22	64	18488	1.04	ppbv	98
8) Dichlorotetrafluoroethane	3.79	85	112040	1.10	ppbv	99
9) Propene	3.58	41	37233	1.14	ppbv	100
10) Heptane	9.32	43	124843	1.09	ppbv	100
11) Trichlorofluoromethane	4.67	101	124460	1.08	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	5.29	101	85685	1.10	ppbv	100
13) Ethanol	4.33	45	6960m	1.32	ppbv	
14) Bromoethene	4.43	108	35554	1.10	ppbv	99
15) Acetone	4.60	43	96716	1.19	ppbv #	84
16) 1,3-Butadiene	3.95	39	40180	1.09	ppbv	98
17) tert-Butyl alcohol	5.15	59	54420	1.10	ppbv	100
18) 1,1-Dichloroethene	5.07	96	38328	1.08	ppbv	96
19) Isopropyl Alcohol	4.76	45	34307	1.05	ppbv #	39
20) Methylene Chloride	5.13	84	36293	1.06	ppbv	96
21) Allyl Chloride	5.21	41	57884	1.09	ppbv	90
22) trans-1,2-Dichloroethene	5.74	96	49656	1.10	ppbv	94
23) Vinyl Acetate	5.96	43	168087	1.16	ppbv	98
24) 1,1-Dichloroethane	5.88	63	105770	1.10	ppbv	98
25) Ethyl Acetate	6.66	43	172961	1.12	ppbv	100
26) Hexane	6.63	57	86159	1.14	ppbv	95
27) Carbon Disulfide	5.37	76	105984	1.15	ppbv	96
28) Methyl tert-Butyl Ether	5.95	73	155296	1.25	ppbv	99
29) Chloroform	6.72	83	122729	1.11	ppbv	96
30) Cyclohexane	8.26	84	85094	1.18	ppbv #	81
31) cis-1,2-Dichloroethene	6.49	61	75011	1.10	ppbv	97
32) 1,1,1-Trichloroethane	7.57	97	130661	1.22	ppbv	100
34) 2-Butanone	6.19	43	105688	1.06	ppbv	100
35) Carbon Tetrachloride	8.13	117	134887	1.16	ppbv	99
36) Benzene	7.99	78	193432	1.11	ppbv	99
37) 1,2-Dichloroethane	7.34	62	96054	1.04	ppbv	99
38) Trichloroethene	9.04	130	85058	1.06	ppbv	99
39) 1,2-Dichloropropane	8.79	63	67453	1.05	ppbv	100
40) 1,4-Dioxane	9.15	88	14341m	1.20	ppbv	
41) Tetrahydrofuran	7.12	42	60649	1.08	ppbv	98
42) Bromodichloromethane	8.99	83	140683	1.14	ppbv	98
43) Methyl Methacrylate	9.24	69	68514	1.12	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.06	57	323013	1.12	ppbv	98
45) t-1,3-Dichloropropene	10.62	75	103346	1.21	ppbv	99
46) cis-1,3-Dichloropropene	9.99	75	124861	1.20	ppbv	99
47) 1,1,2-Trichloroethane	10.85	97	83991	1.08	ppbv	97
48) Dibromochloromethane	11.77	129	133892	1.20	ppbv	99
49) Bromoform	14.77	173	110347	1.29	ppbv	99
50) 4-Methyl-2-Pentanone	10.07	43	141614	1.07	ppbv	99
51) 2-Hexanone	11.61	43	125533	1.06	ppbv #	99
52) Tetrachloroethene	12.76	164	94117	1.09	ppbv	95
53) Toluene	11.21	91	261938	1.17	ppbv	99
54) 1,2-Dibromoethane	12.11	107	128815	1.11	ppbv	99
56) 1,1,1,2-Tetrachloroethane	13.75	131	105109	1.20	ppbv #	1
57) Chlorobenzene	13.78	112	226758	1.15	ppbv	99
58) Ethyl Benzene	14.38	91	380479	1.20	ppbv	99
59) m/p-Xylene	14.69	91	603100m	2.37	ppbv	
60) o-Xylene	15.46	91	318916	1.20	ppbv	99
61) Styrene	15.28	104	133977	1.22	ppbv	99
62) Isopropylbenzene	16.50	105	435658	1.23	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.44	83	199445	1.01	ppbv	100
64) n-propylbenzene	17.49	120	117666	1.23	ppbv	91
65) tert-Butylbenzene	18.78	119	407335	1.30	ppbv	98
66) Benzyl Chloride	19.07	91	157119	1.60	ppbv	99
67) sec-Butylbenzene	19.38	105	558780	1.28	ppbv	100
69) p-Isopropyltoluene	19.75	119	466587	1.33	ppbv	98
70) n-Butylbenzene	20.72	91	423055	1.27	ppbv	99
71) 2-Chlorotoluene	17.39	91	317534	1.23	ppbv	100
72) 4-Ethyltoluene	17.79	105	360744	1.26	ppbv	99
73) 1,3,5-Trimethylbenzene	17.95	105	337270	1.25	ppbv	99
74) 1,2,4-Trimethylbenzene	18.79	105	360857	1.28	ppbv #	92
75) 1,3-Dichlorobenzene	19.08	146	234074	1.29	ppbv	98
76) 1,4-Dichlorobenzene	19.24	146	235613	1.28	ppbv	99
77) 1,2-Dichlorobenzene	19.99	146	231612	1.30	ppbv	99
78) Hexachloro-1,3-Butadiene	24.64	225	125093	1.95	ppbv	99
79) Naphthalene	23.91	128	301804	1.91	ppbv	97
80) Naphthalene, 2-methyl-	26.02	142	43312	0.90	ppbv #	95
81) 1,2,4-Trichlorobenzene	23.71	180	150861	1.90	ppbv	99

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

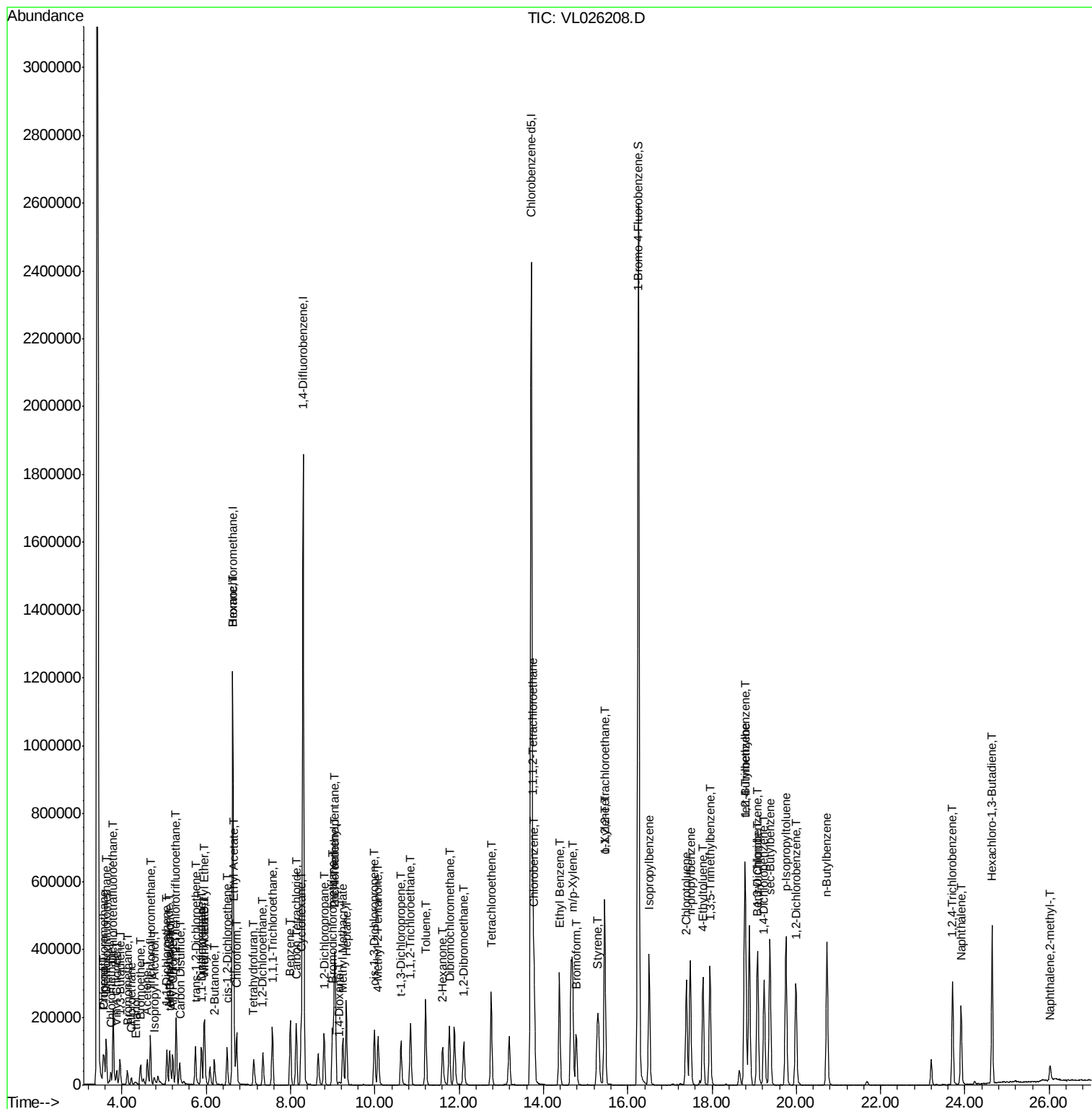
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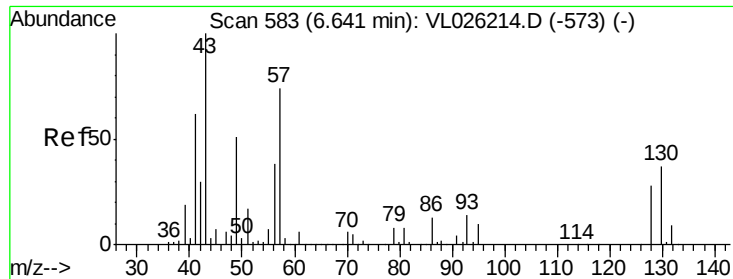
Instrument :
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

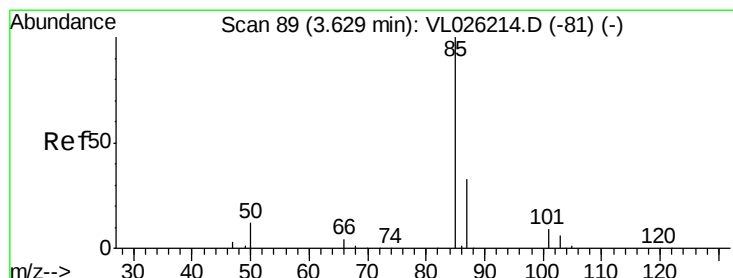
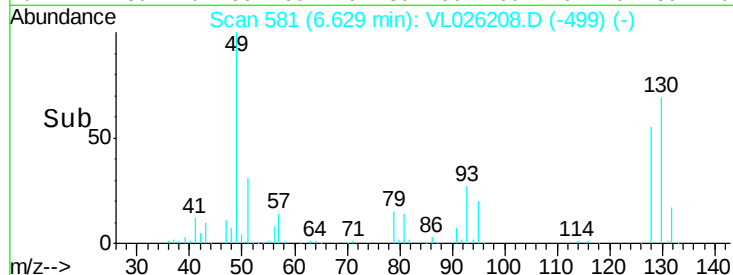
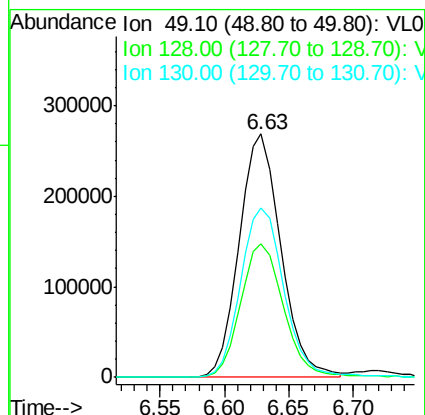
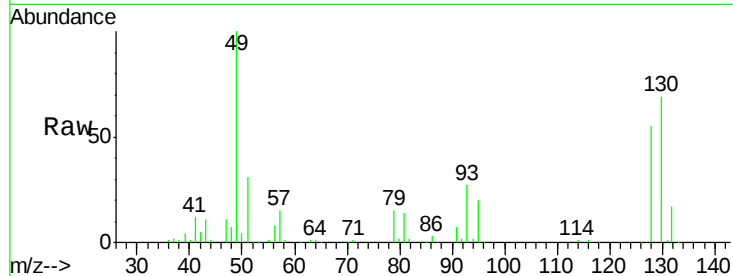
VSTDIC001

Tot Ion: 49 Resp: 605044

Ion	Ratio	Lower	Upper
49	100		
128	57.3	28.1	84.3
130	73.4	36.2	108.6

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.10 ppbv

RT: 3.63 min Scan# 89

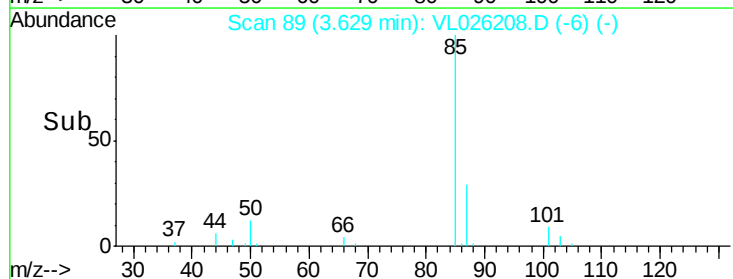
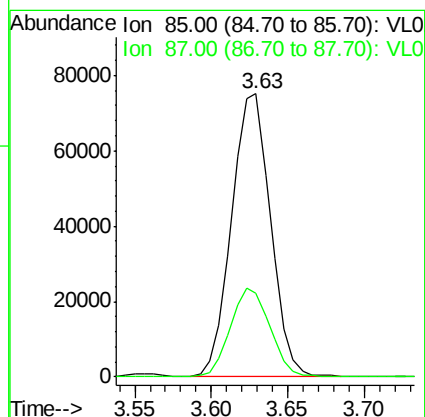
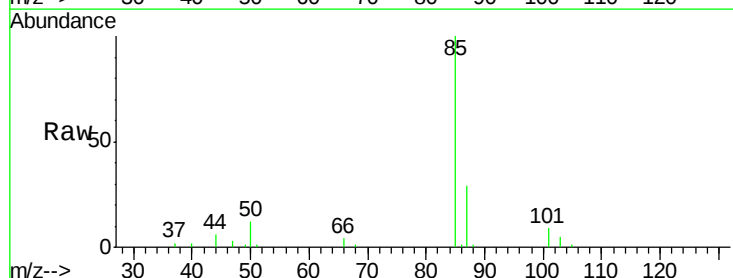
Delta R.T. 0.01 min

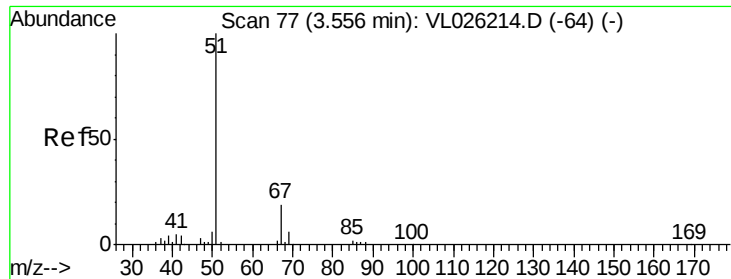
Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion: 85 Resp: 132817

Ion	Ratio	Lower	Upper
85	100		
87	29.4	26.5	39.7





#3

Chlorodifluoromethane

Concen: 1.11 ppbv

RT: 3.56 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 79874

Ion Ratio Lower Upper

51 100

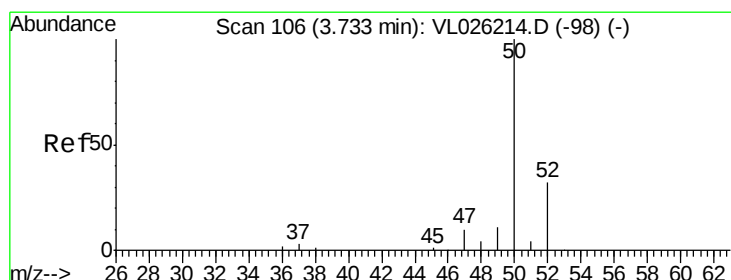
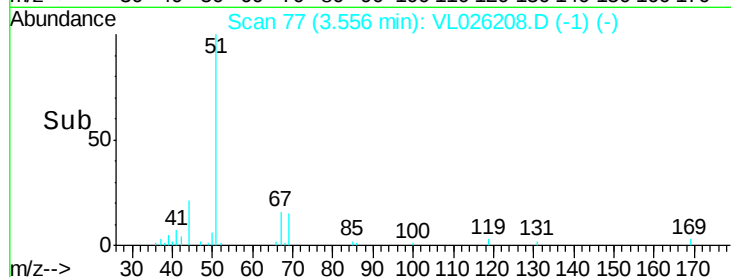
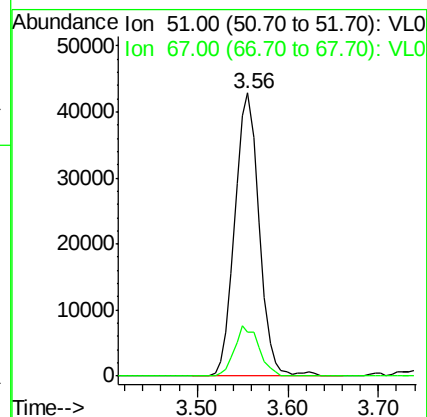
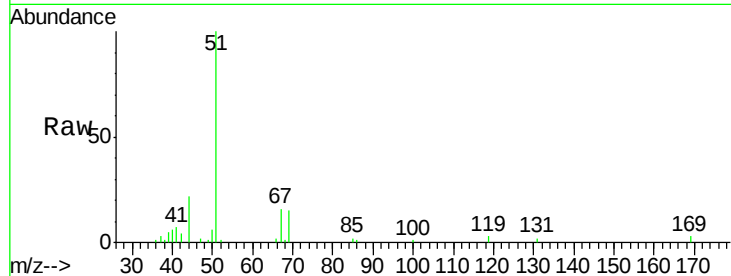
67 17.7 15.6 23.4

Manual Integrations

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#4

Chloromethane

Concen: 1.03 ppbv

RT: 3.74 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL026208.D

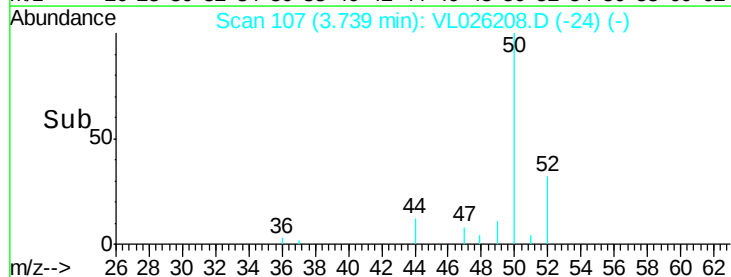
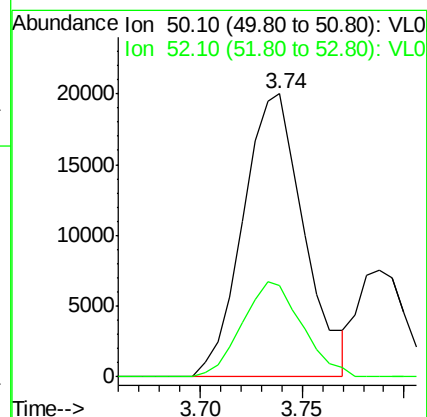
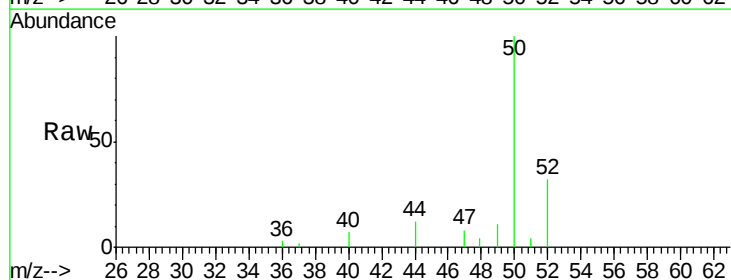
Acq: 20 Oct 2015 11:54

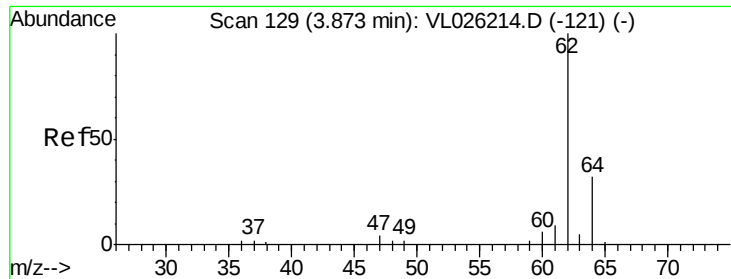
Tgt Ion: 50 Resp: 41560

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6





#5

Vinyl Chloride

Concen: 1.08 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 43994

Ion Ratio Lower Upper

62 100

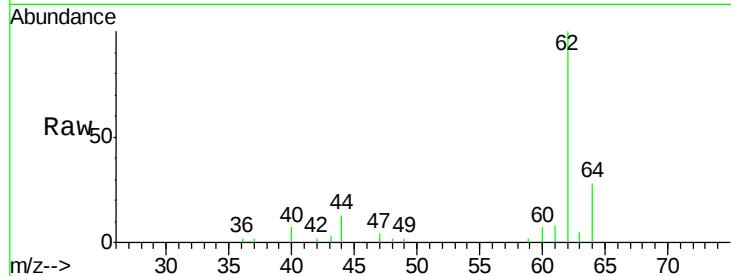
64 28.1 26.3 39.5

Manual Integrations

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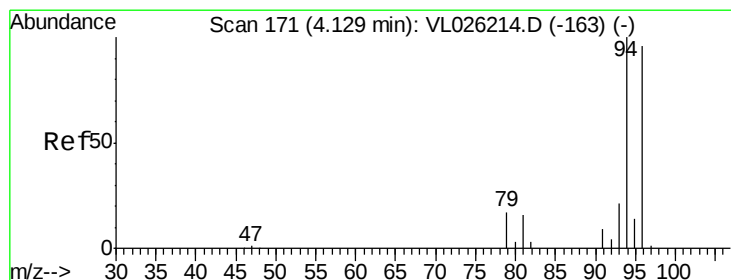
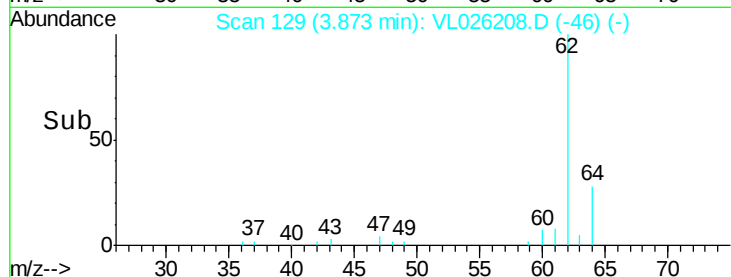
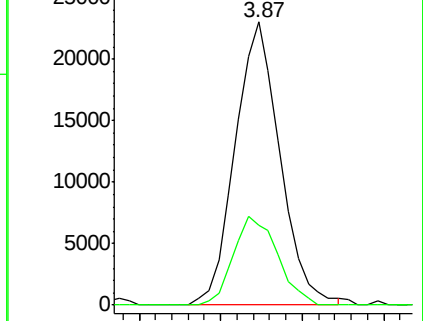
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.08 ppbv

RT: 4.13 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL026208.D

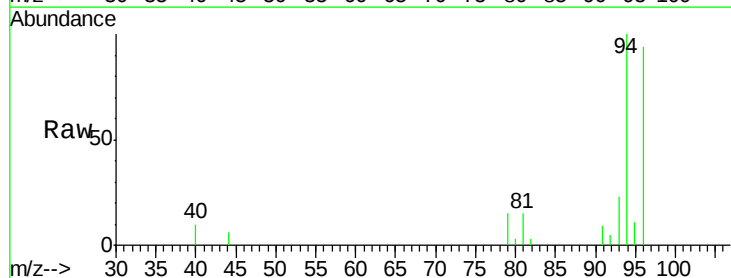
Acq: 20 Oct 2015 11:54

Tgt Ion: 94 Resp: 31969

Ion Ratio Lower Upper

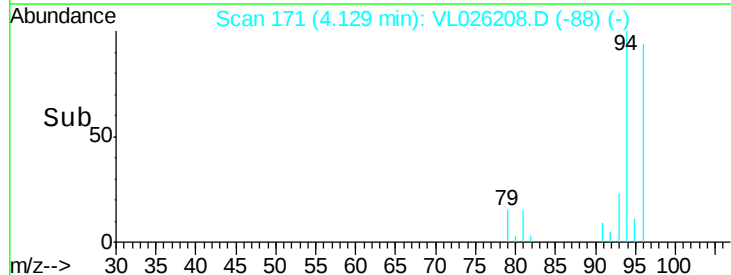
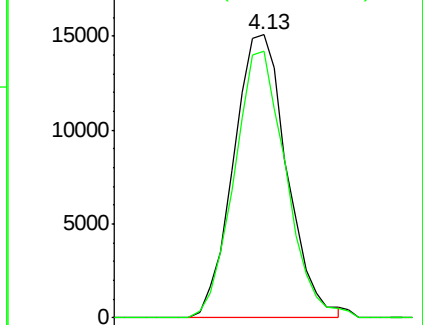
94 100

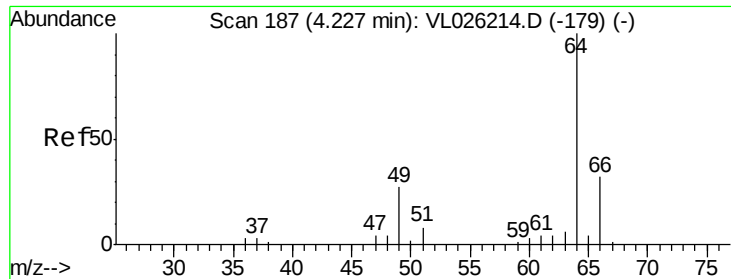
96 94.0 75.5 113.3



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: 4.22 min Scan# 186

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 18488

Ion Ratio Lower Upper

64 100

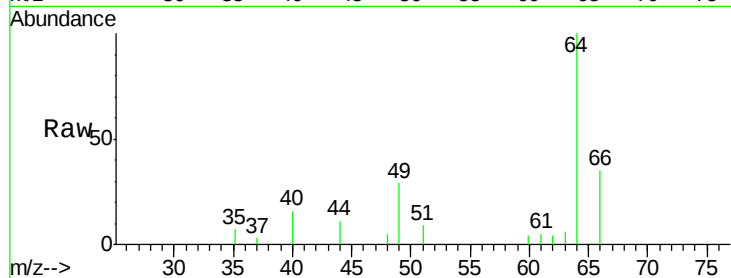
66 34.7 27.0 40.6

Manual Integrations

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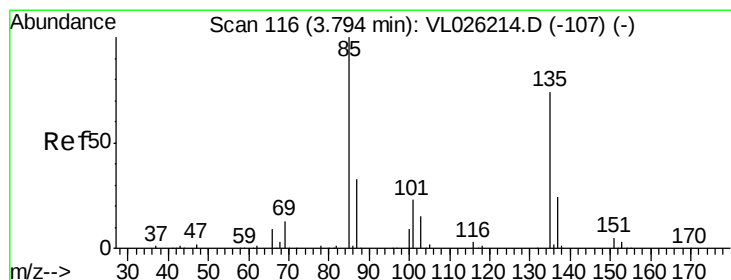
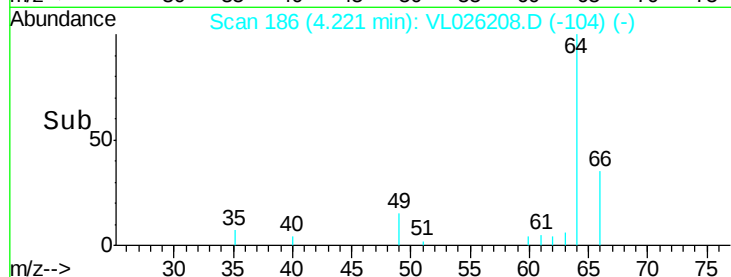
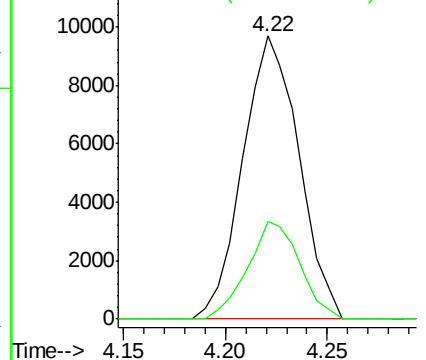
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.10 ppbv

RT: 3.79 min Scan# 115

Delta R.T. -0.00 min

Lab File: VL026208.D

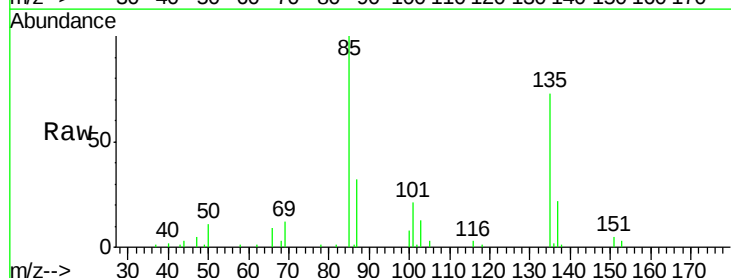
Acq: 20 Oct 2015 11:54

Tgt Ion: 85 Resp: 112040

Ion Ratio Lower Upper

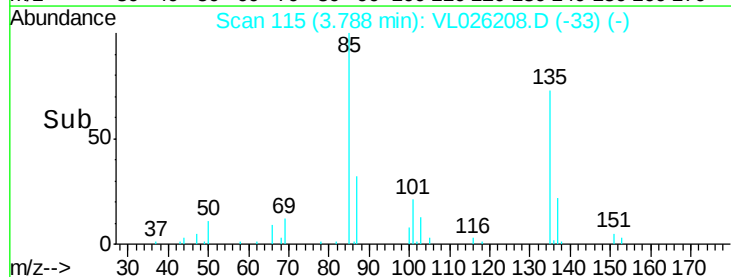
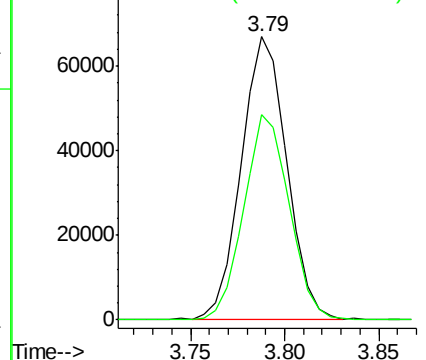
85 100

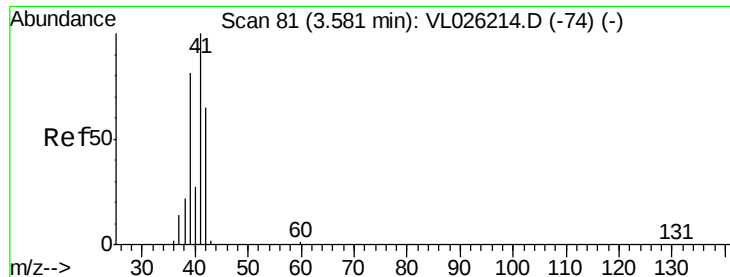
135 72.4 57.5 86.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.14 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 37233

Ion Ratio Lower Upper

41 100

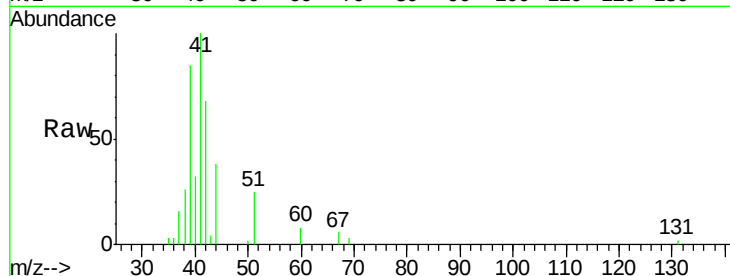
42 66.5 53.1 79.7

Manual Integrations

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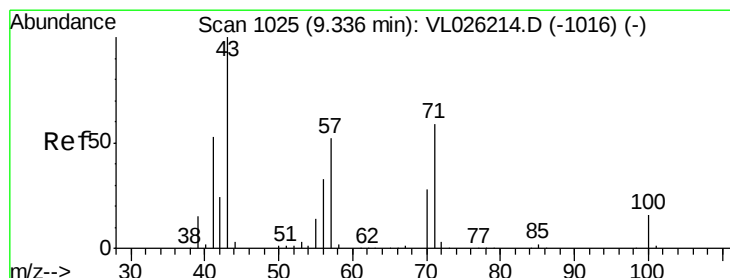
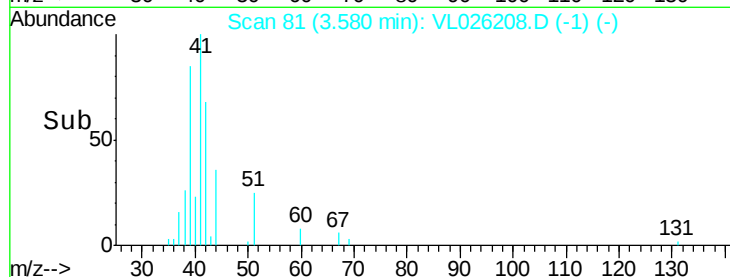
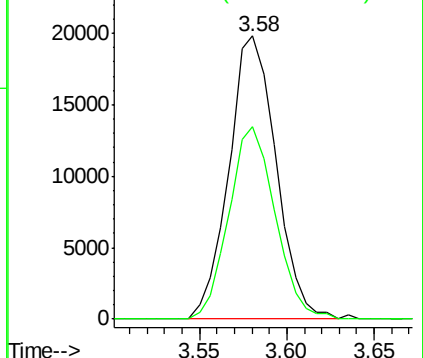
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.09 ppbv

RT: 9.32 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VL026208.D

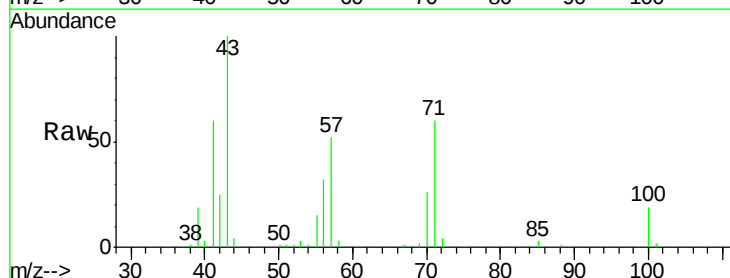
Acq: 20 Oct 2015 11:54

Tgt Ion: 43 Resp: 124843

Ion Ratio Lower Upper

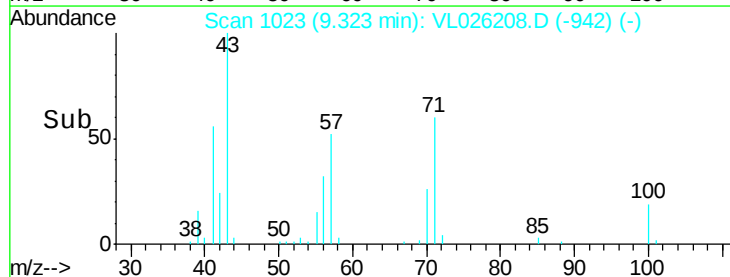
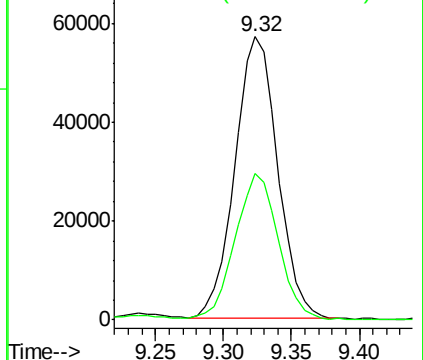
43 100

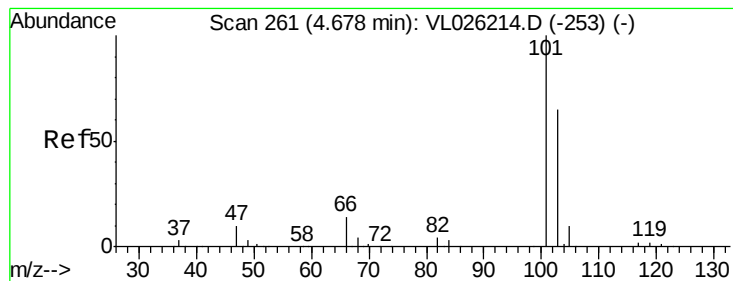
57 54.5 43.5 65.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 1.08 ppbv

RT: 4.67 min Scan# 260

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 124460

Ion Ratio Lower Upper

101 100

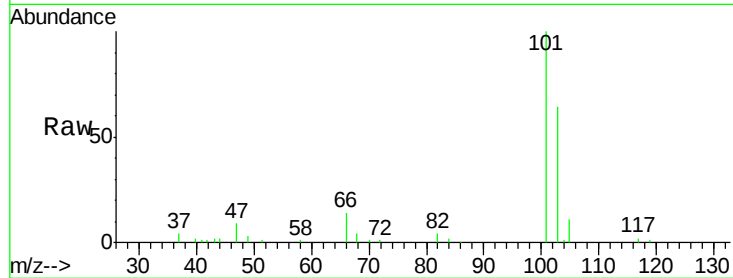
103 63.9 51.2 76.8

Manual Integrations

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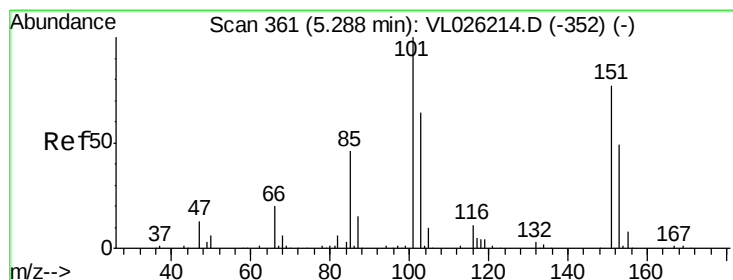
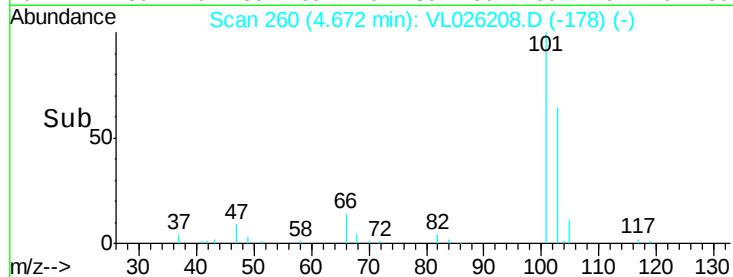
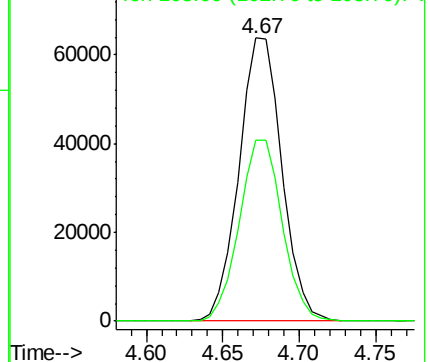
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.10 ppbv

RT: 5.29 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL026208.D

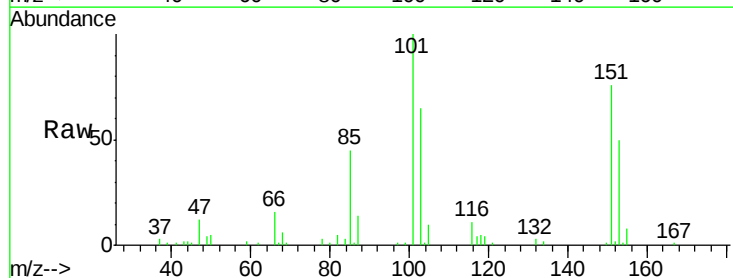
Acq: 20 Oct 2015 11:54

Tgt Ion:101 Resp: 85685

Ion Ratio Lower Upper

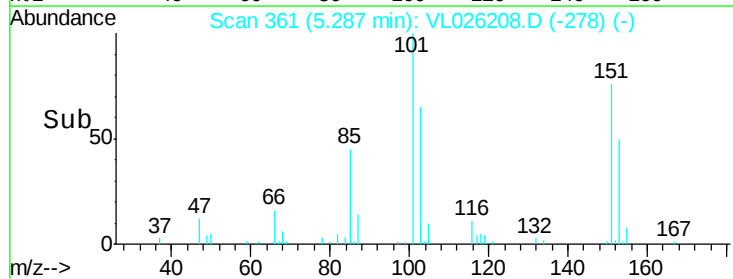
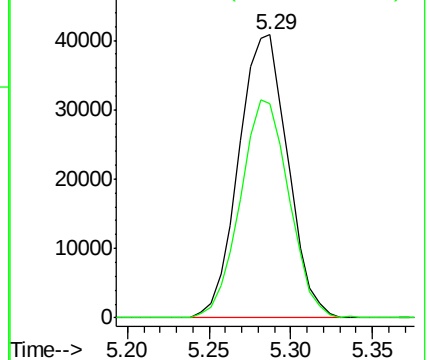
101 100

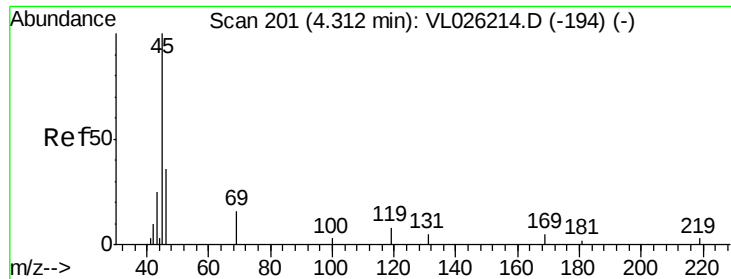
151 76.4 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





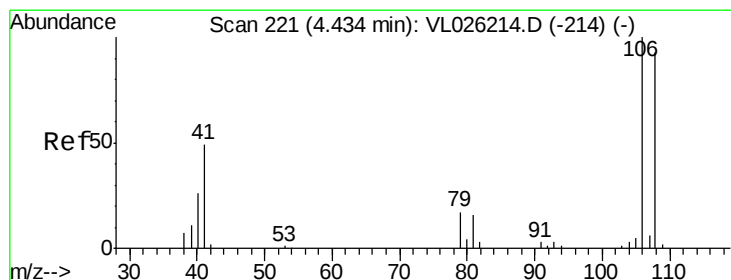
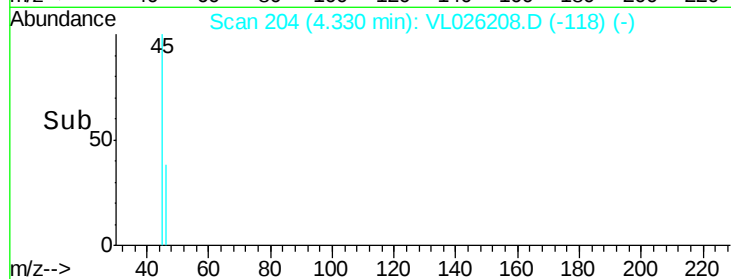
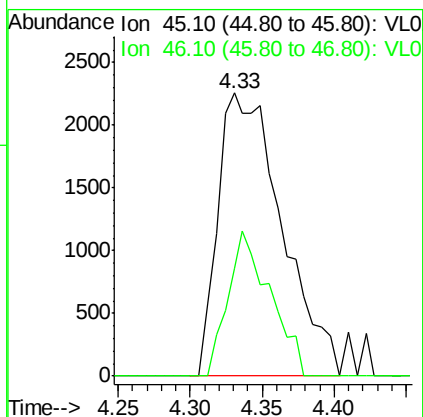
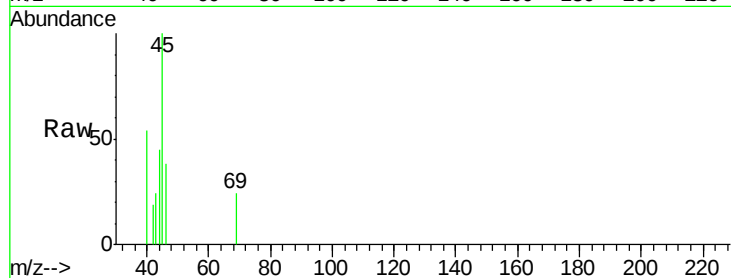
#13
Ethanol
Concen: 1.32 ppbv m
RT: 4.33 min Scan# 204
Delta R.T. 0.02 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 6960
Ion Ratio Lower Upper
45 100
46 34.0 16.1 64.3

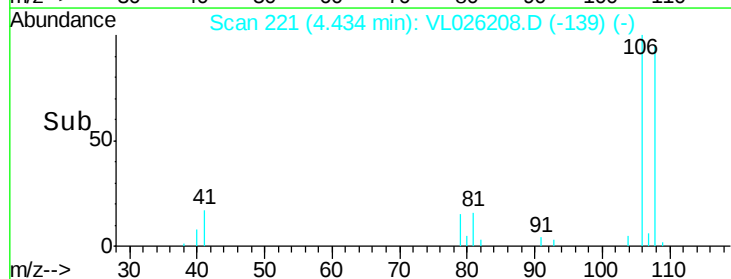
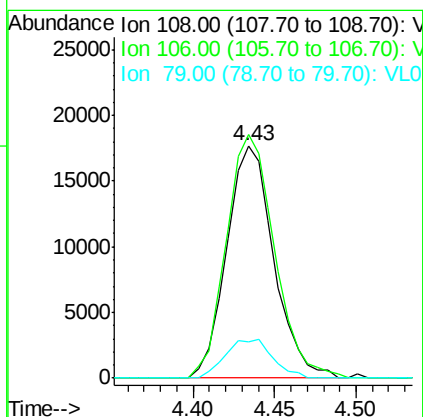
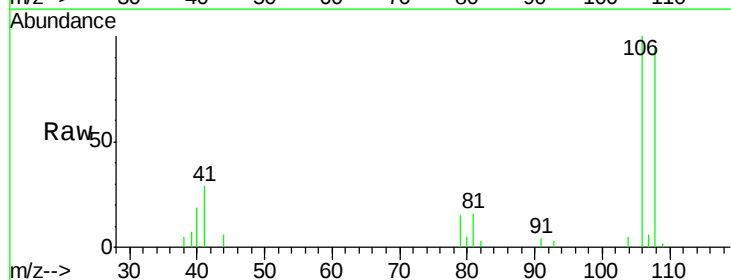
Manual Integrations
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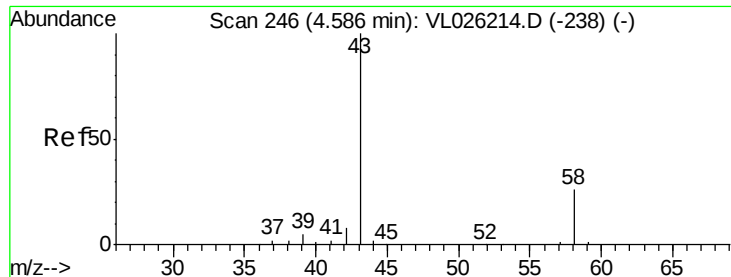
MMDadoda
10/22/2015 4:31:20 PM



#14
Bromoethene
Concen: 1.10 ppbv
RT: 4.43 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 108 Resp: 35554
Ion Ratio Lower Upper
108 100
106 107.5 85.3 127.9
79 16.9 13.4 20.0





#15

Acetone

Concen: 1.19 ppbv

RT: 4.60 min Scan# 248

Delta R.T. 0.02 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 96716

Ion Ratio Lower Upper

43 100

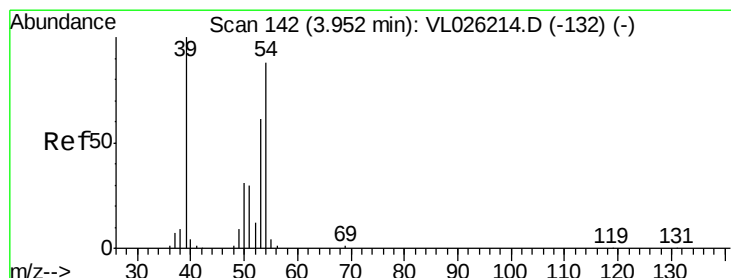
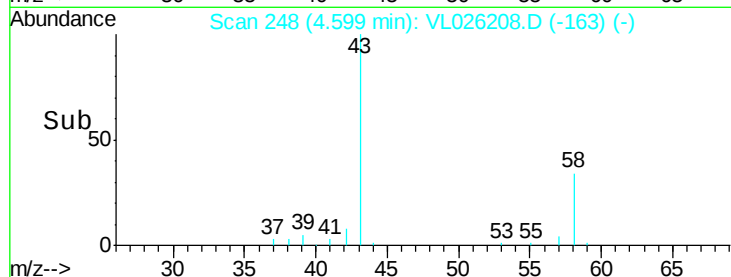
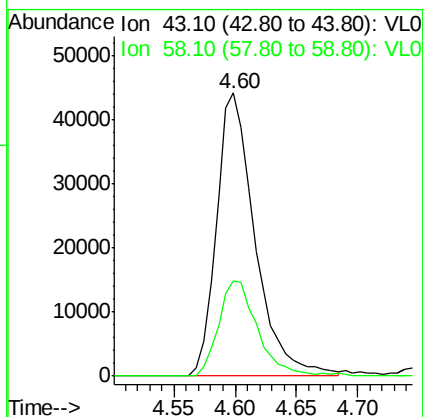
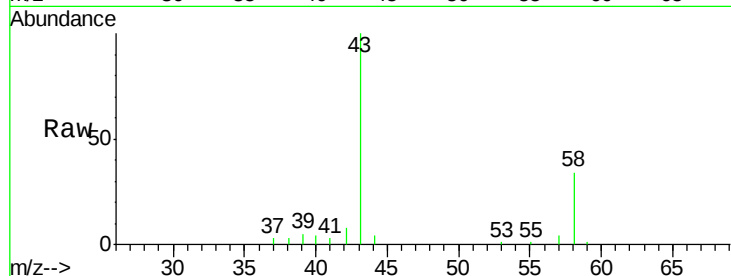
58 34.2 21.0 31.4#

Manual Integrations

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#16

1,3-Butadiene

Concen: 1.09 ppbv

RT: 3.95 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL026208.D

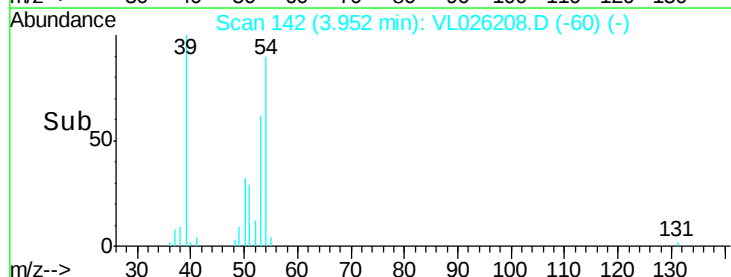
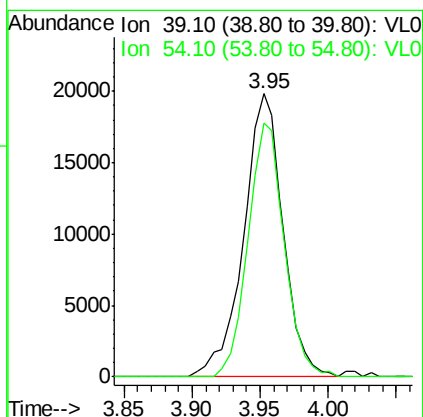
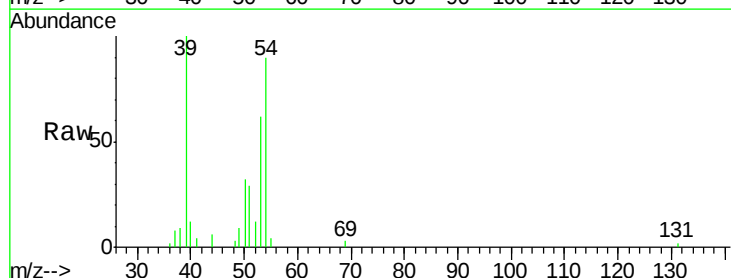
Acq: 20 Oct 2015 11:54

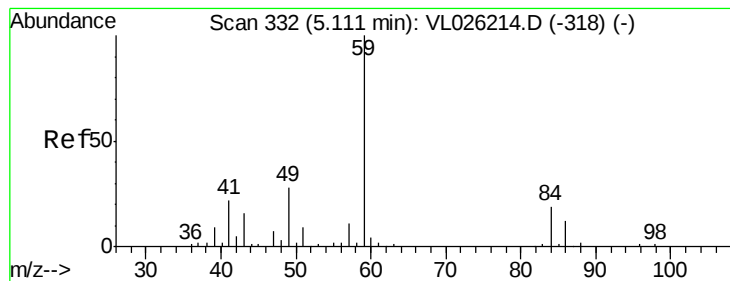
Tgt Ion: 39 Resp: 40180

Ion Ratio Lower Upper

39 100

54 82.4 67.3 100.9





#17

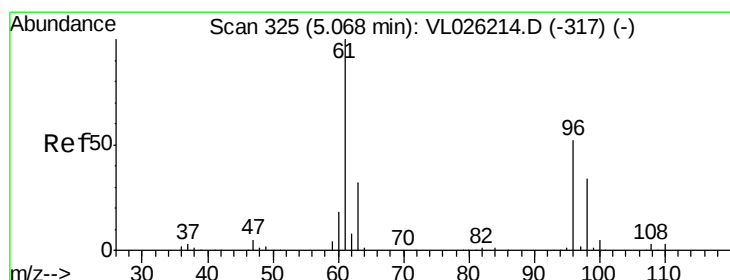
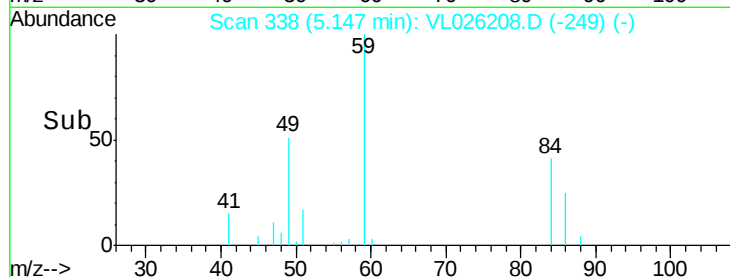
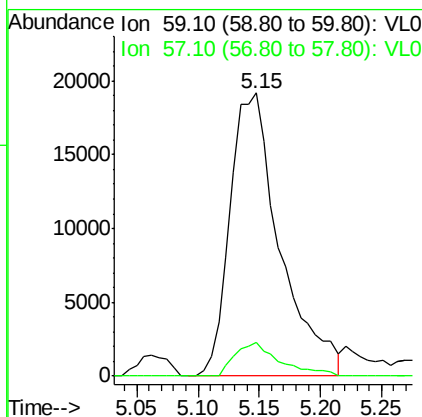
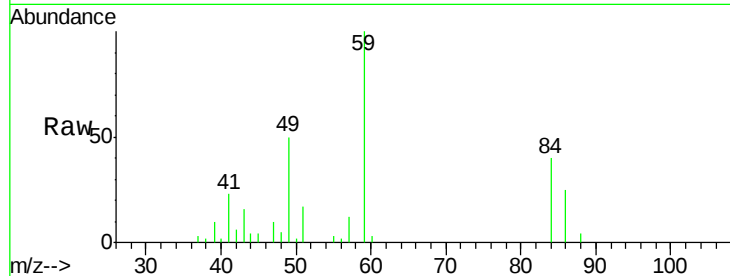
tert-Butyl alcohol
Concen: 1.10 ppbv
RT: 5.15 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 54420
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

Manual Integrations
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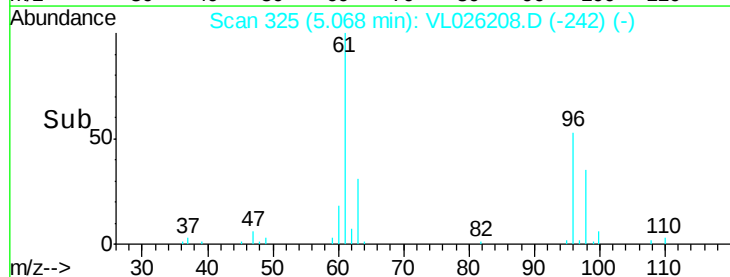
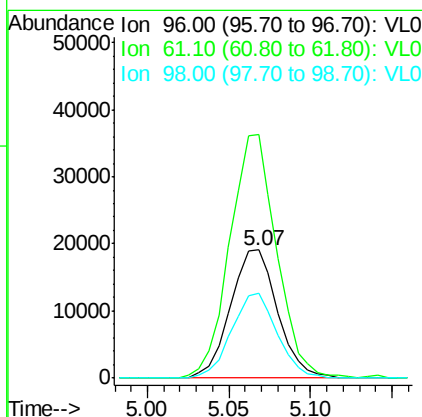
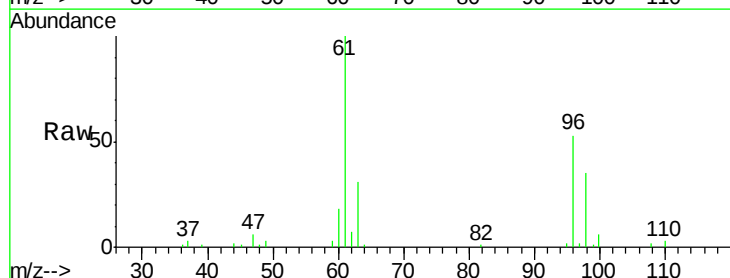
MMDadoda
10/22/2015 4:31:20 PM

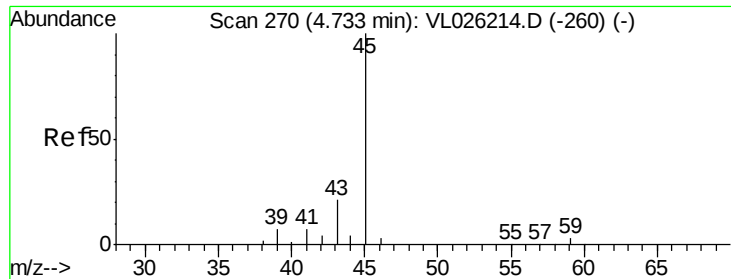


#18

1,1-Dichloroethene
Concen: 1.08 ppbv
RT: 5.07 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 96 Resp: 38328
Ion Ratio Lower Upper
96 100
61 188.0 146.6 219.8
98 66.2 50.5 75.7





#19

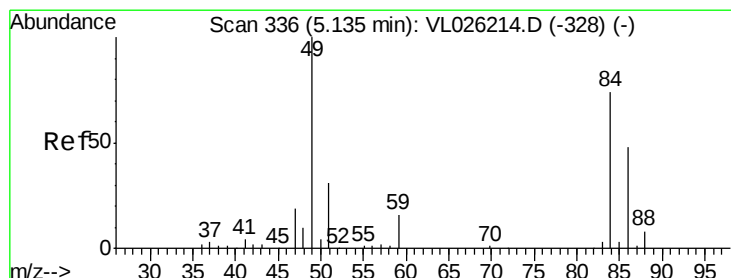
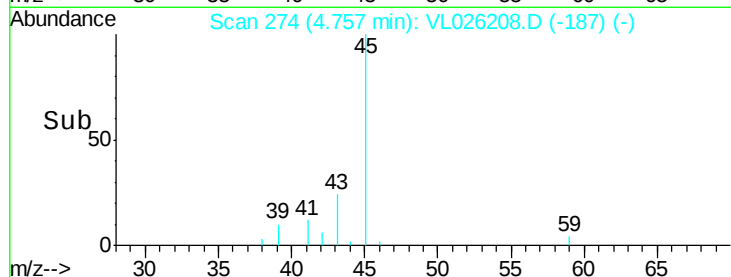
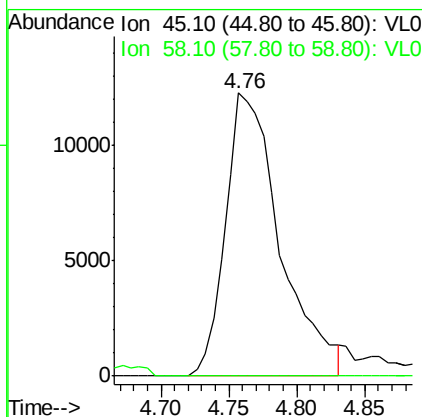
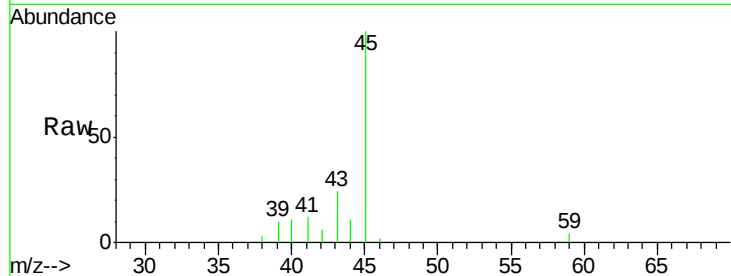
Isopropyl Alcohol
 Concen: 1.05 ppbv
 RT: 4.76 min Scan# 274
 Delta R.T. 0.03 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
58	96.3	42.4	63.6#

Manual Integrations
 APPROVED

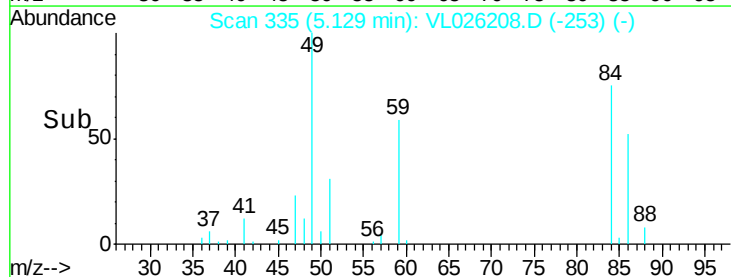
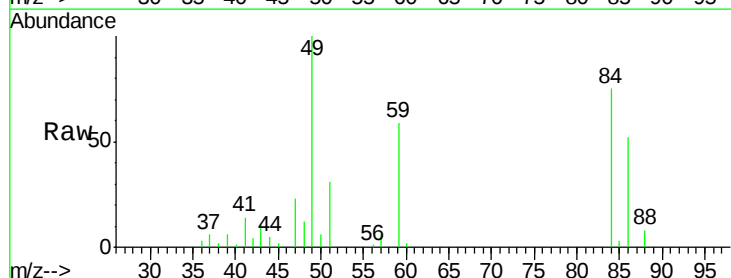
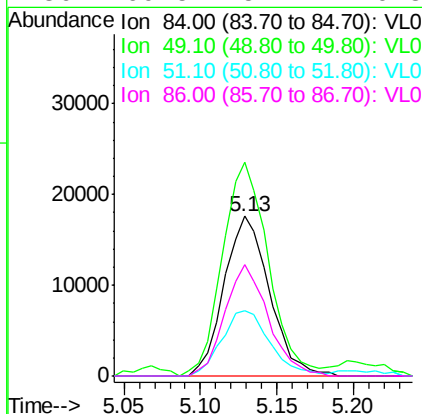
MMDadoda
 10/22/2015 4:31:20 PM

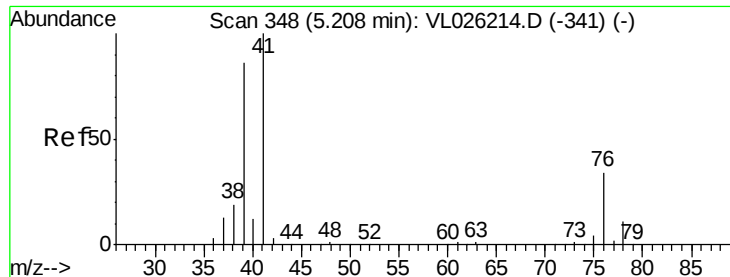


#20

Methylene Chloride
 Concen: 1.06 ppbv
 RT: 5.13 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	107.9	161.9
51	41.0	32.4	48.6
86	69.5	51.2	76.8





#21

Allvl Chloride

Concen: 1.09 ppbv

RT: 5.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

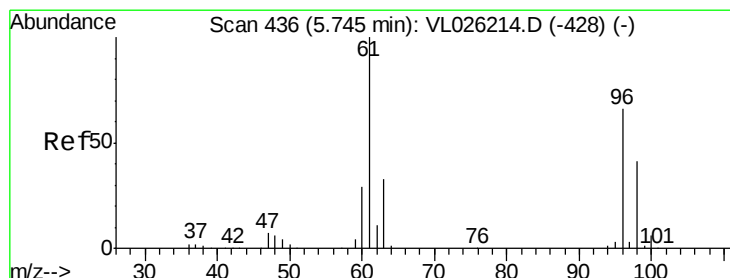
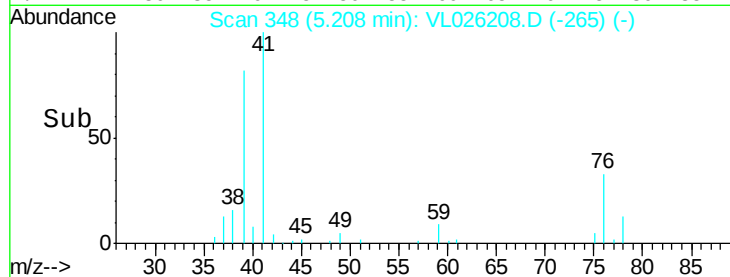
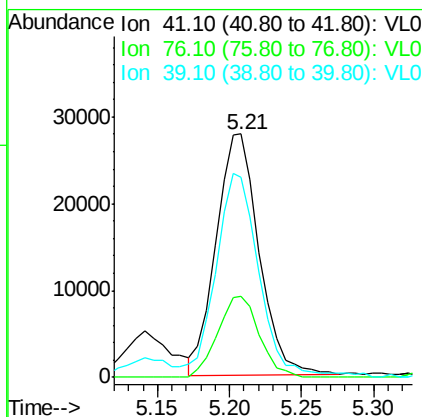
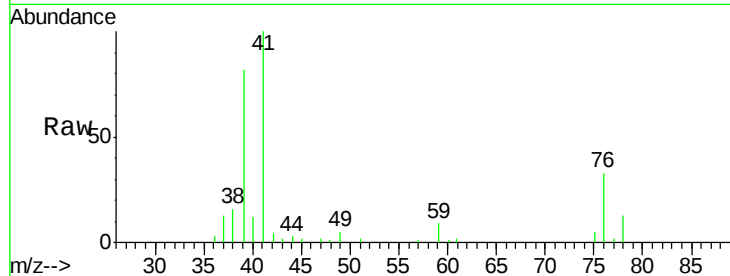
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	57884
Ion	Ratio	Lower	Upper
41	100		
76	32.4	26.2	39.4
39	94.8	65.6	98.4

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:31:20 PM



#22

trans-1,2-Dichloroethene

Concen: 1.10 ppbv

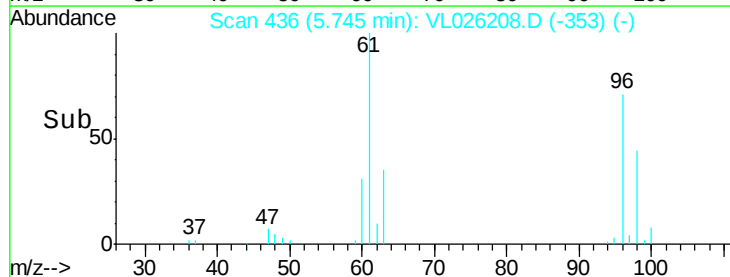
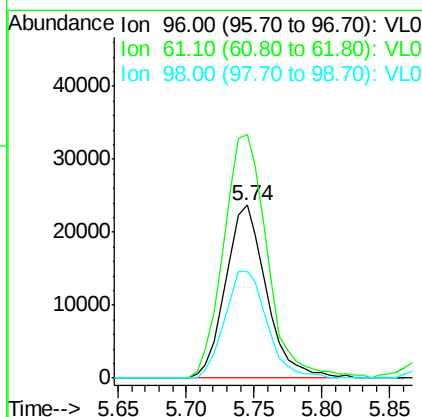
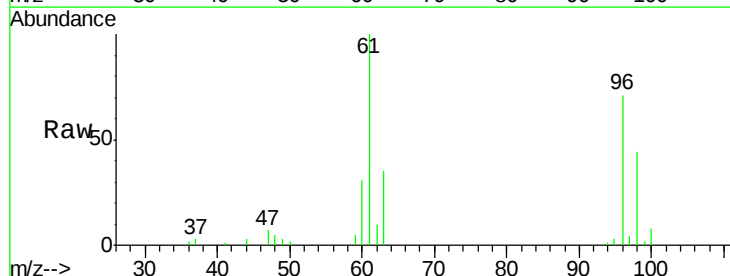
RT: 5.74 min Scan# 436

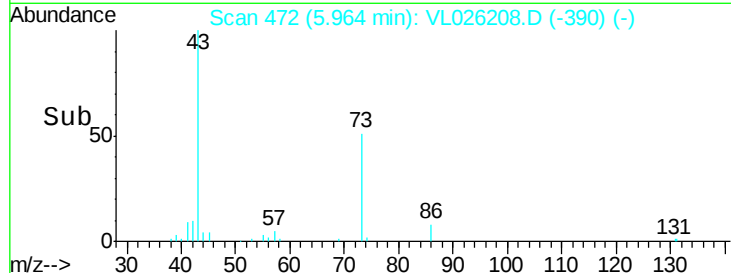
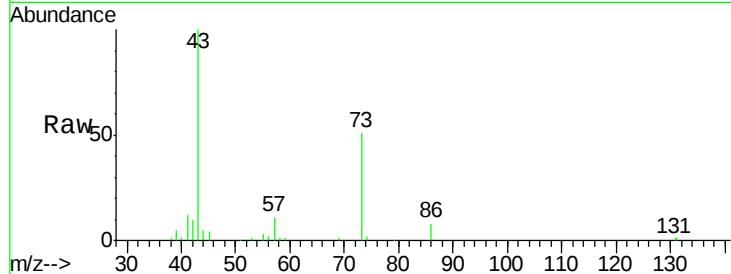
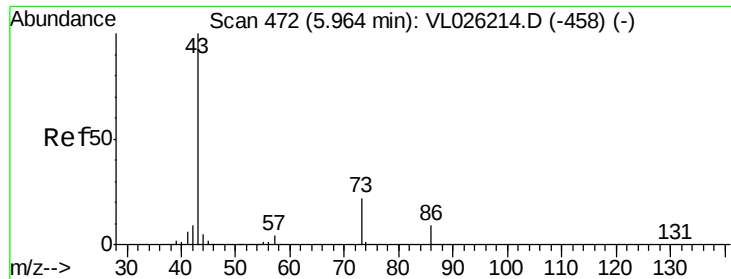
Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion:	96	Resp:	49656
Ion	Ratio	Lower	Upper
96	100		
61	140.6	121.3	181.9
98	61.8	49.8	74.8





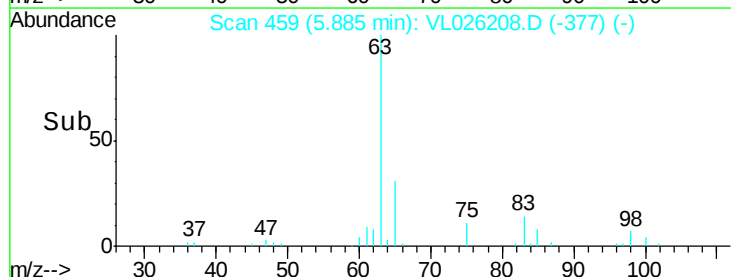
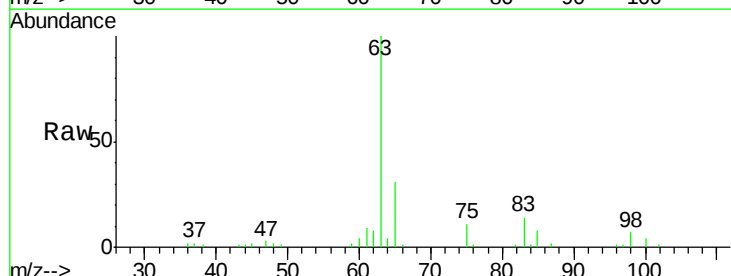
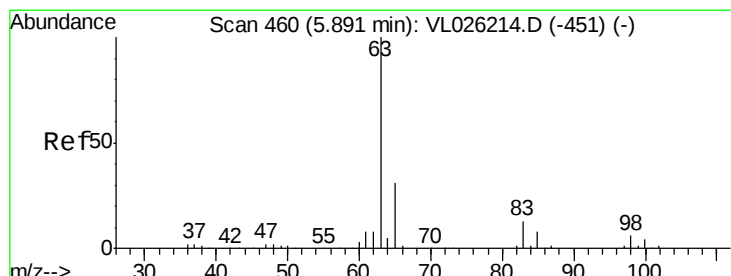
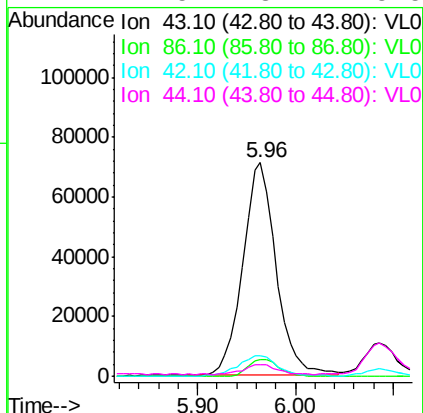
#23
 Vinyl Acetate
 Concen: 1.16 ppbv
 RT: 5.96 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tot Ion	43	Resp	168087
Ion Ratio	Lower	Upper	
43	100		
86	8.1	7.8	11.6
42	9.9	8.4	12.6
44	4.5	3.7	5.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

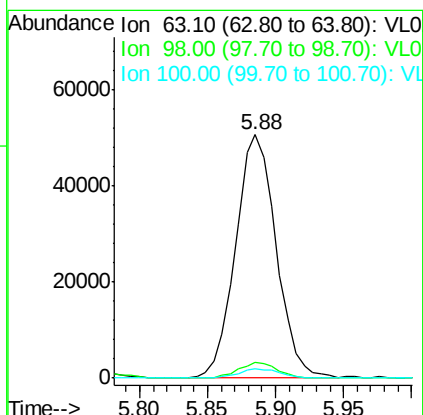
Manual Integrations
 APPROVED

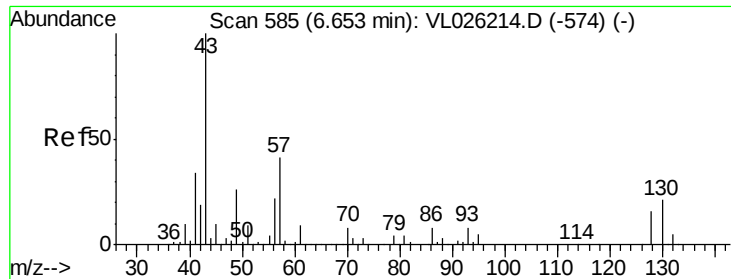
MMDadoda
 10/22/2015 4:31:20 PM



#24
 1,1-Dichloroethane
 Concen: 1.10 ppbv
 RT: 5.88 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	63	Resp	105770
Ion Ratio	Lower	Upper	
63	100		
98	6.7	2.9	8.7
100	4.0	1.8	5.5





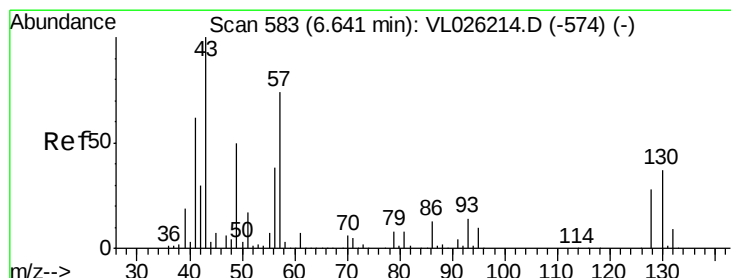
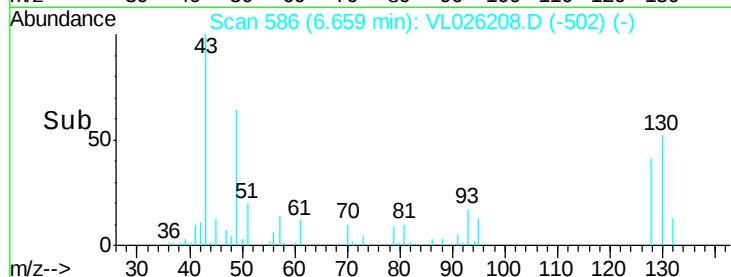
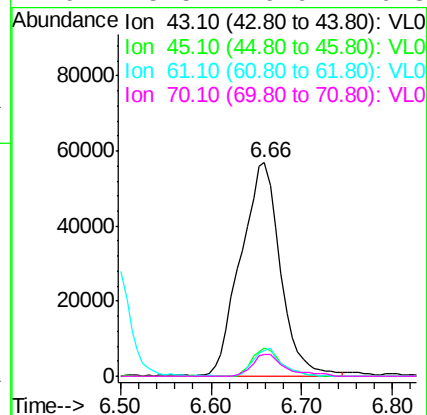
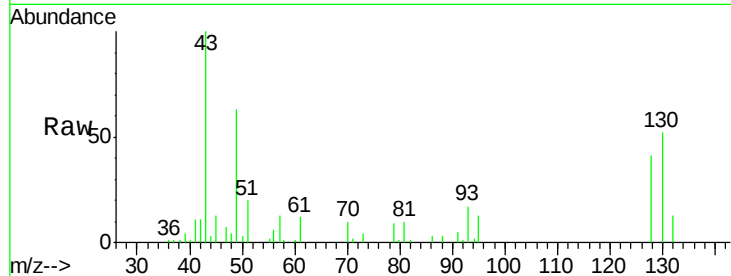
#25
Ethyl Acetate
Concen: 1.12 ppbv
RT: 6.66 min Scan# 586
Delta R.T. 0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.5	11.3
61	9.4	7.5	11.3
70	8.5	6.9	10.3

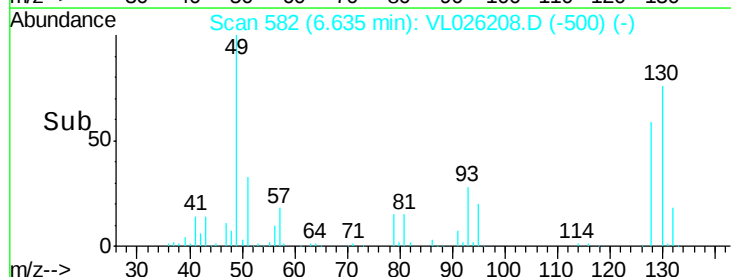
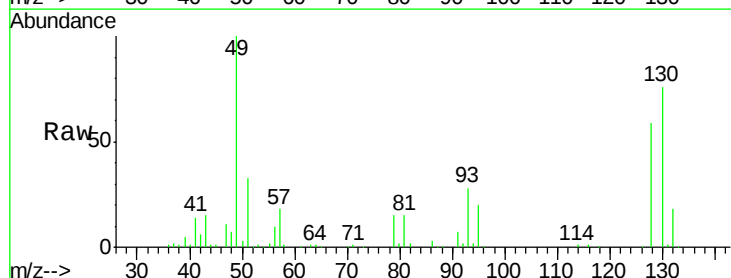
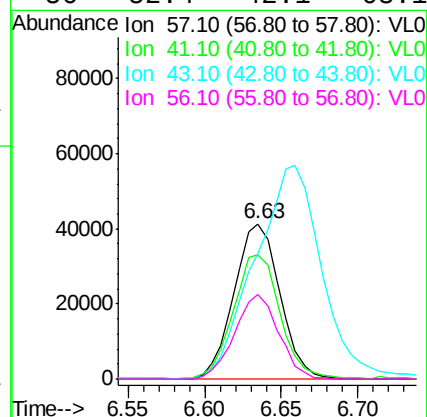
Manual Integrations
APPROVED

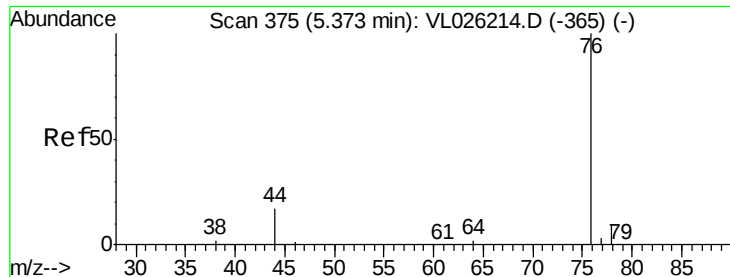
MMDadoda
10/22/2015 4:31:20 PM



#26
Hexane
Concen: 1.14 ppbv
RT: 6.63 min Scan# 582
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
57	100		
41	82.7	67.0	100.6
43	206.6	156.0	234.0
56	52.4	42.1	63.1





#27

Carbon Disulfide

Concen: 1.15 ppbv

RT: 5.37 min Scan# 375

Delta R.T. 0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

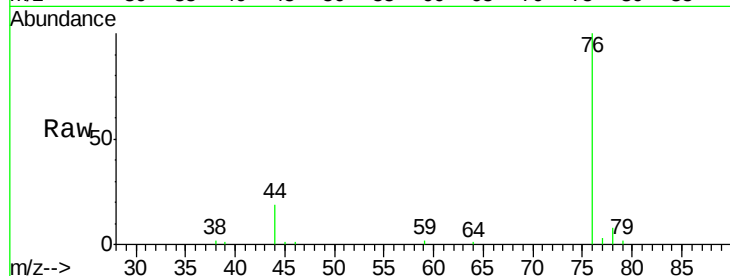
ClientSampleId :

VSTDIC001

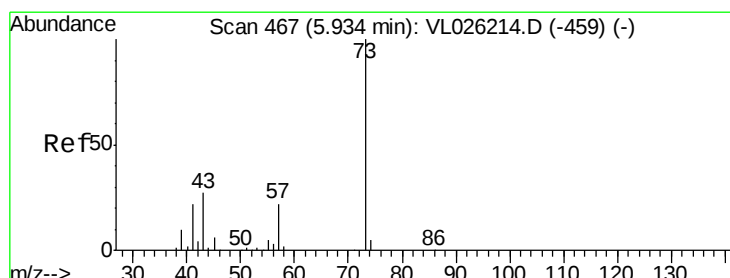
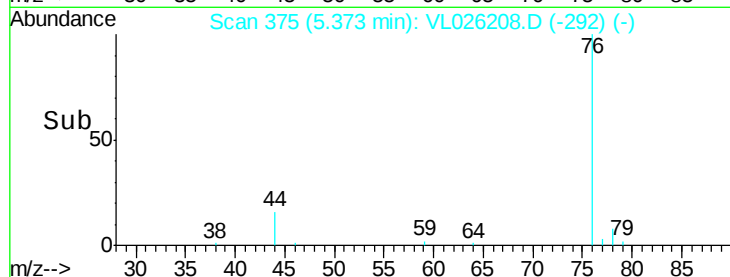
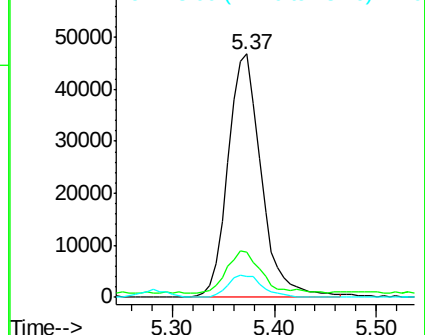
Tot Ion:	76	Resp:	105984
Ion	Ratio	Lower	Upper
76	100		
44	19.5	13.8	20.6
78	9.3	7.4	11.2

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 1.25 ppbv

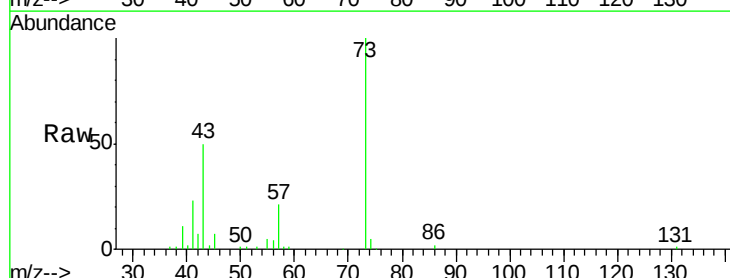
RT: 5.95 min Scan# 469

Delta R.T. 0.02 min

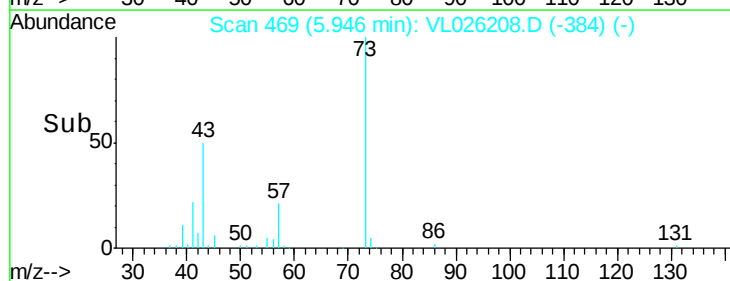
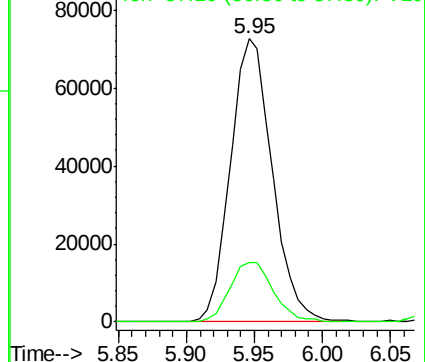
Lab File: VL026208.D

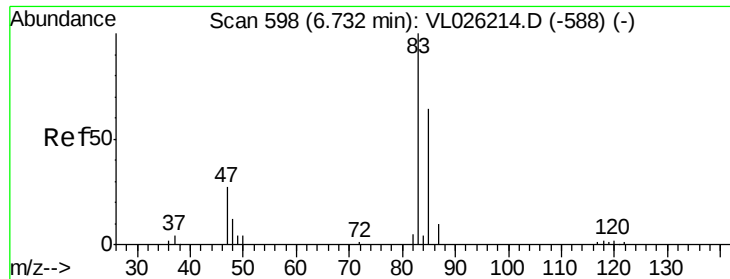
Acq: 20 Oct 2015 11:54

Tgt Ion:	73	Resp:	155296
Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





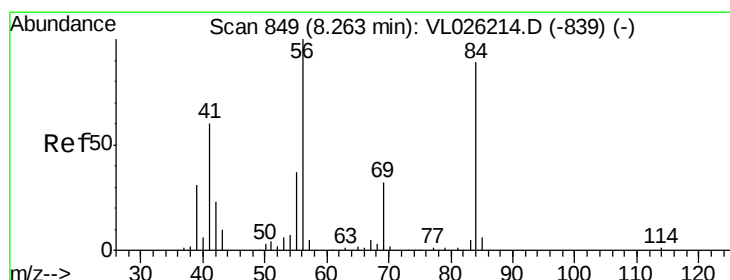
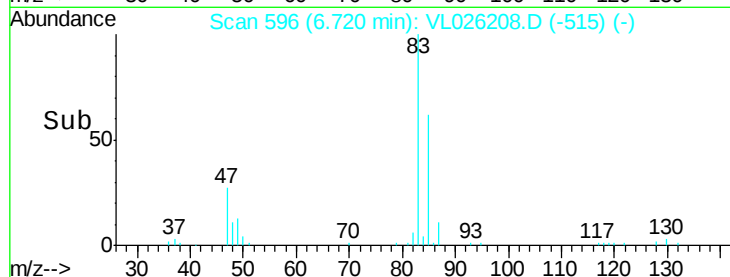
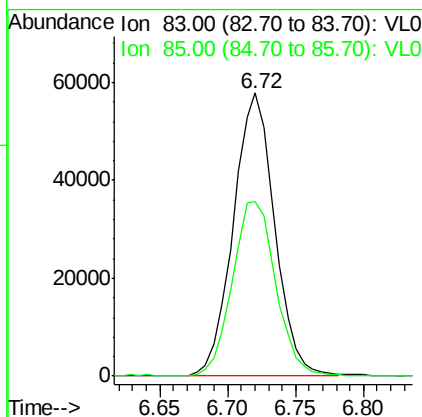
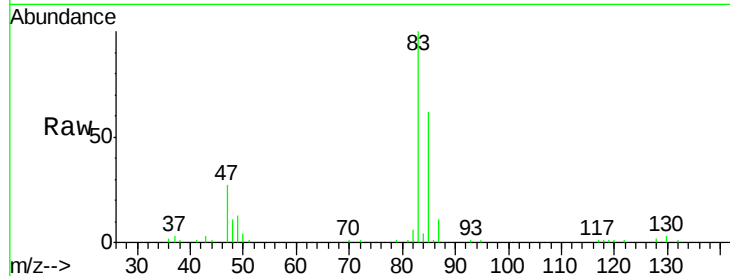
#29
Chloroform
Concen: 1.11 ppbv
RT: 6.72 min Scan# 596
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	122729
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	51.8	77.6

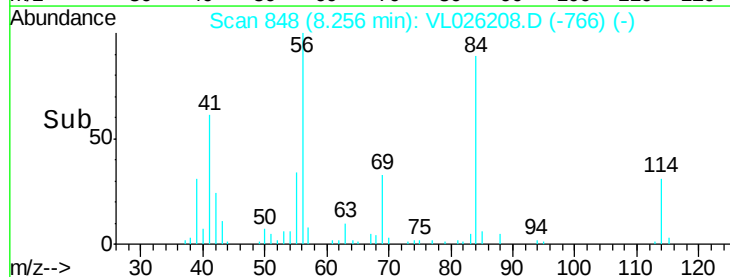
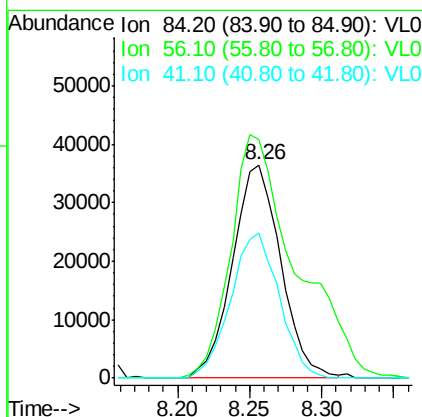
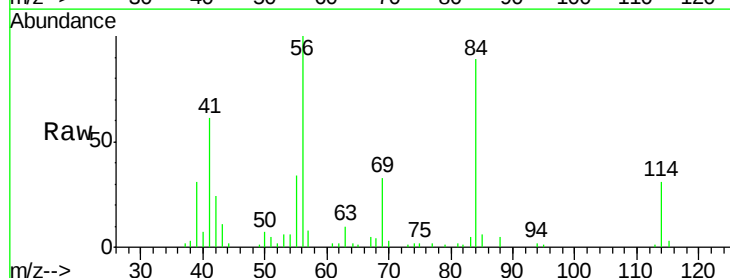
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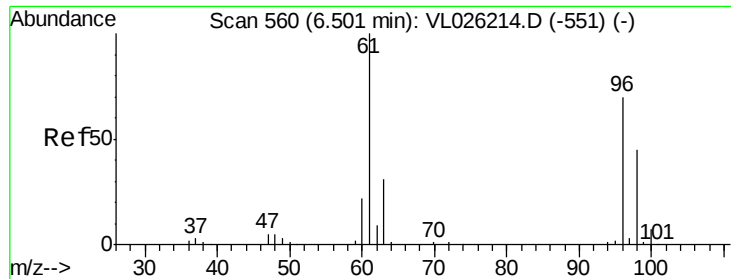
MMDadoda
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#30
Cyclohexane
Concen: 1.18 ppbv
RT: 8.26 min Scan# 848
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion	84	Resp	85094
Ion Ratio	100	Lower	Upper
84	100		
56	155.2	97.5	146.3#
41	68.3	54.6	81.8





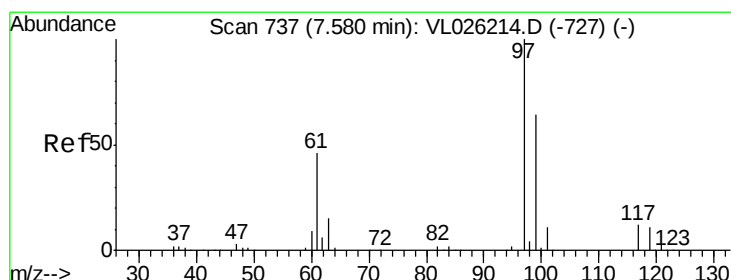
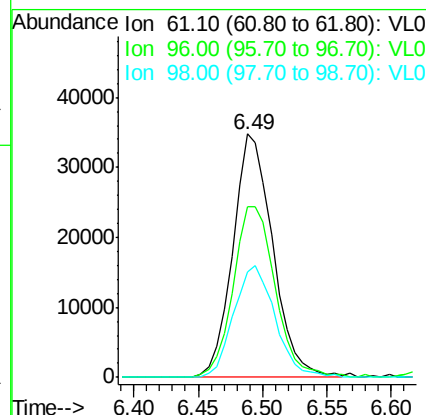
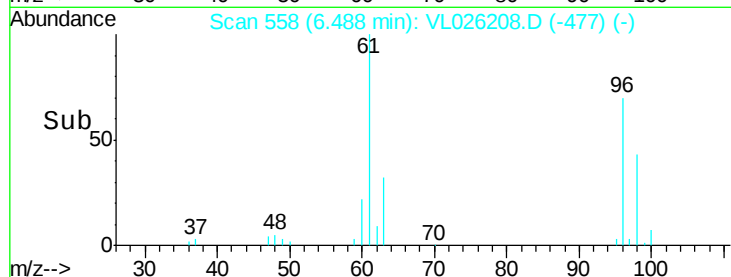
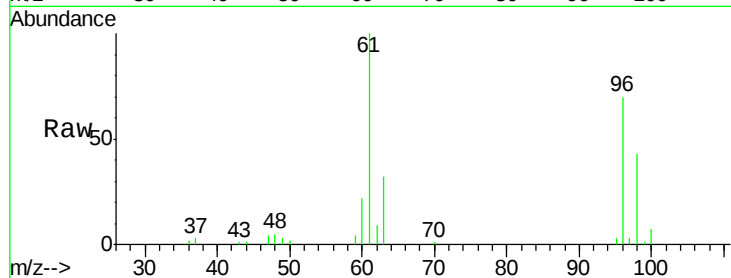
#31
 cis-1,2-Dichloroethene
 Concen: 1.10 ppbv
 RT: 6.49 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	70.3	57.9	86.9
98	43.2	37.2	55.8

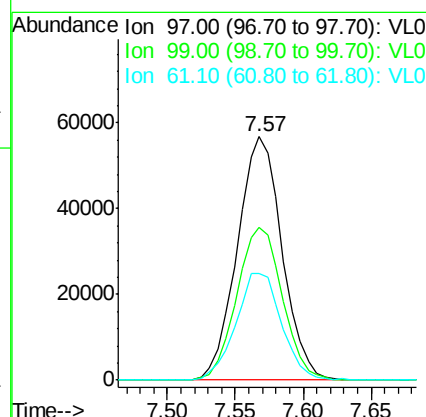
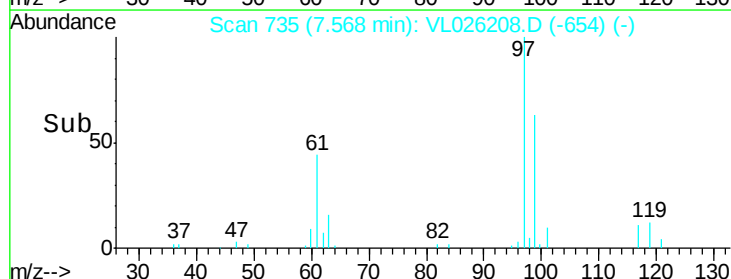
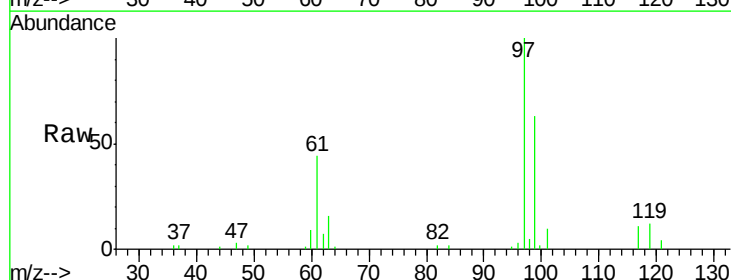
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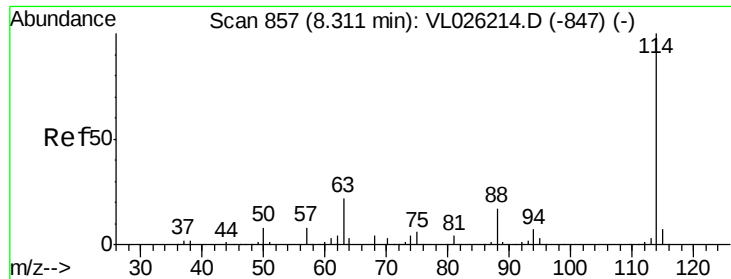
MMDadoda
 10/22/2015 4:31:20 PM



#32
 1,1,1-Trichloroethane
 Concen: 1.22 ppbv
 RT: 7.57 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	44.9	36.0	54.0





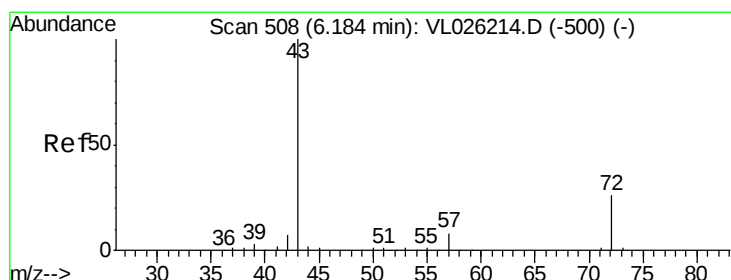
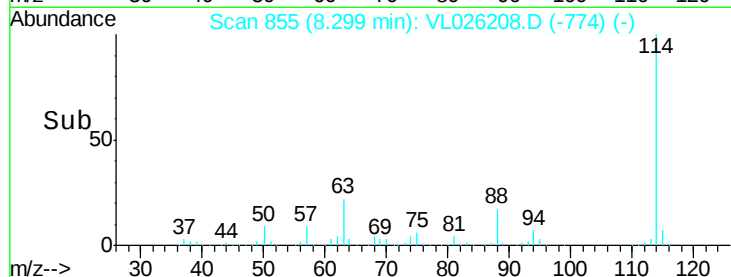
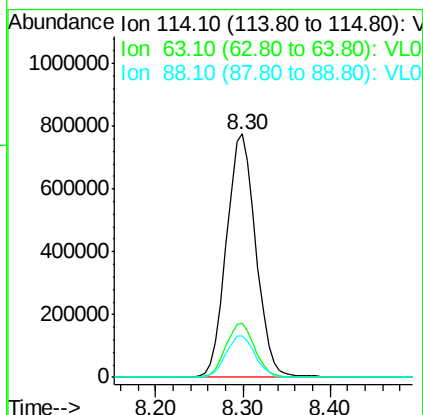
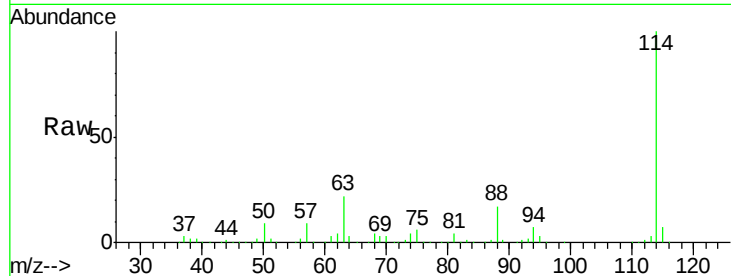
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.30 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 1809744
 Ion Ratio Lower Upper
 114 100
 63 22.2 17.9 26.9
 88 17.1 13.6 20.4

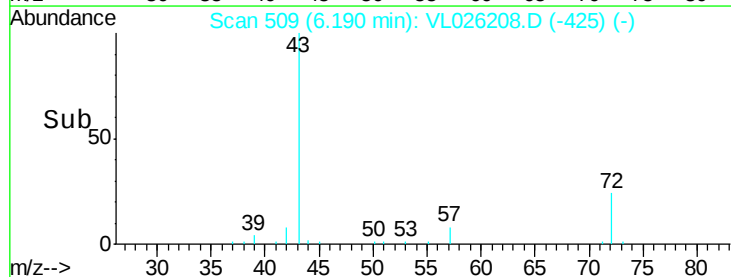
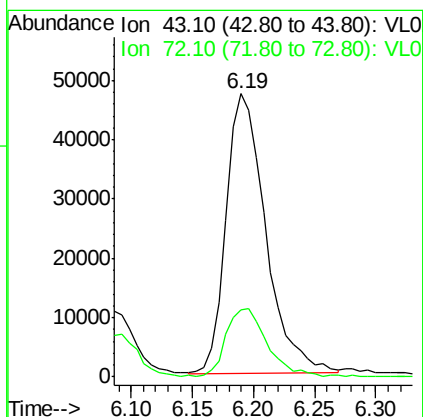
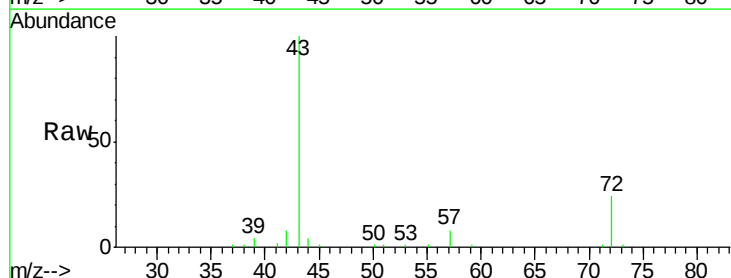
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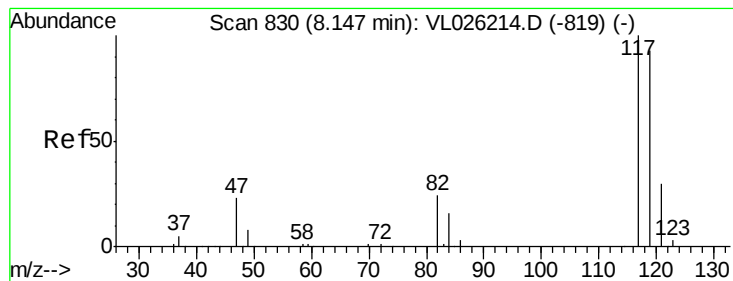
MMDadoda
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#34
 2-Butanone
 Concen: 1.06 ppbv
 RT: 6.19 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 43 Resp: 105688
 Ion Ratio Lower Upper
 43 100
 72 25.5 20.2 30.4





#35

Carbon Tetrachloride

Concen: 1.16 ppbv

RT: 8.13 min Scan# 828

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

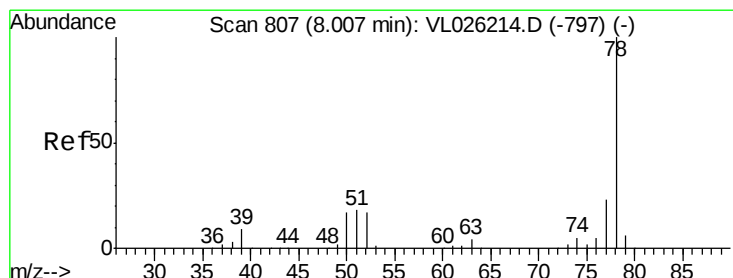
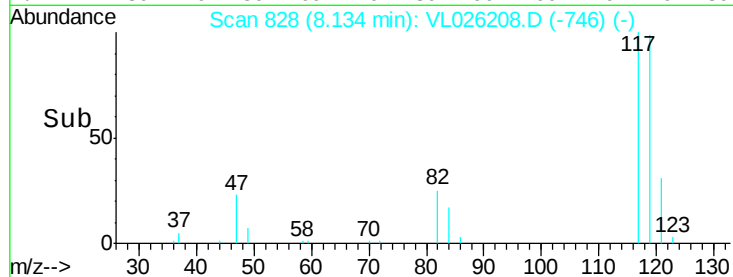
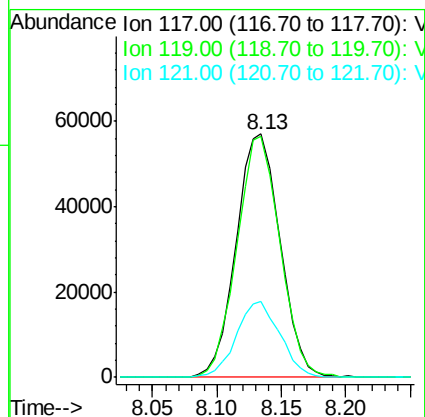
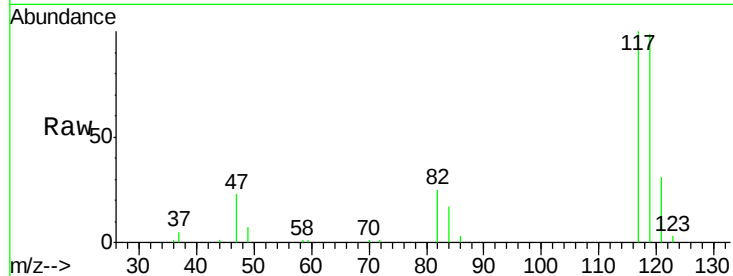
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	99.0	78.3	117.5
121	31.3	25.0	37.6

Manual Integrations
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#36

Benzene

Concen: 1.11 ppbv

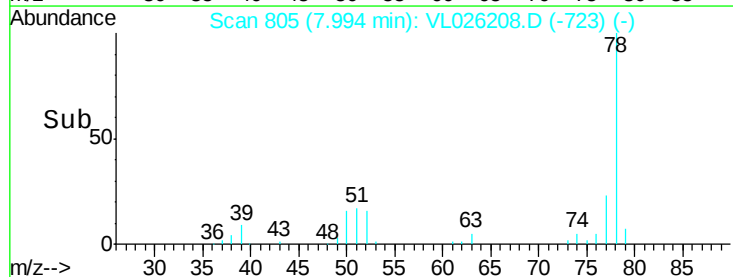
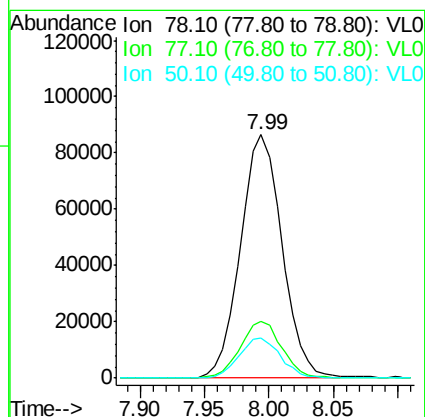
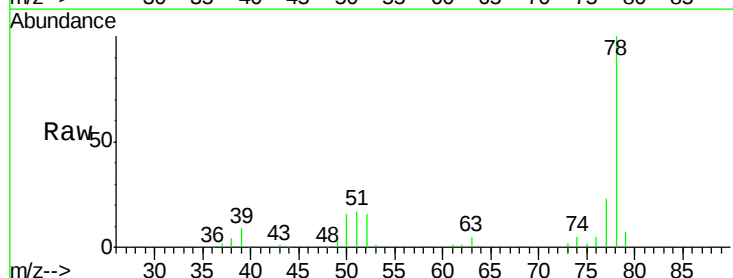
RT: 7.99 min Scan# 805

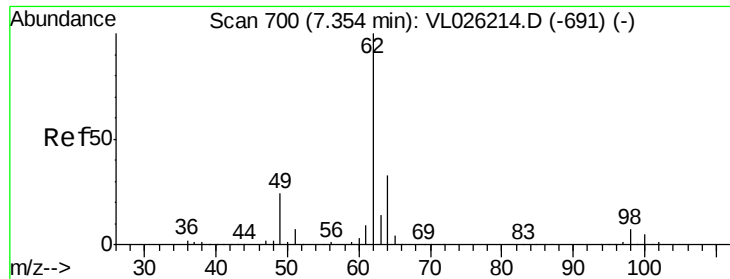
Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1
50	16.5	13.4	20.0





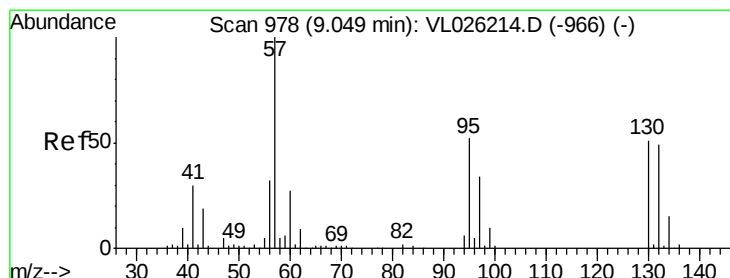
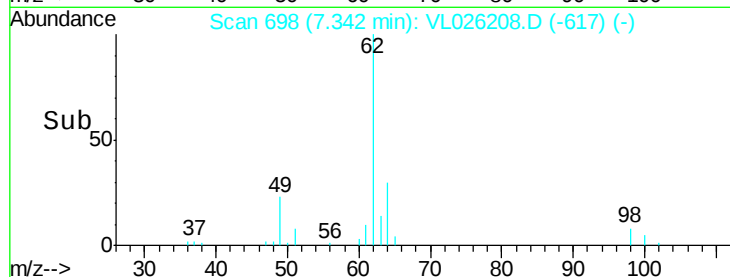
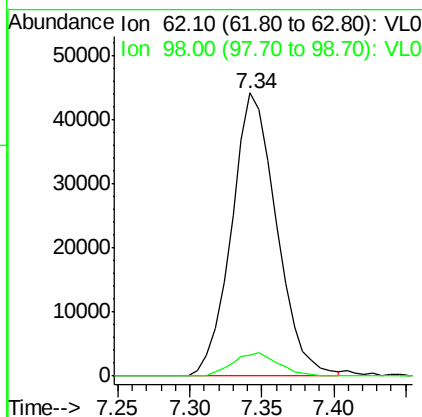
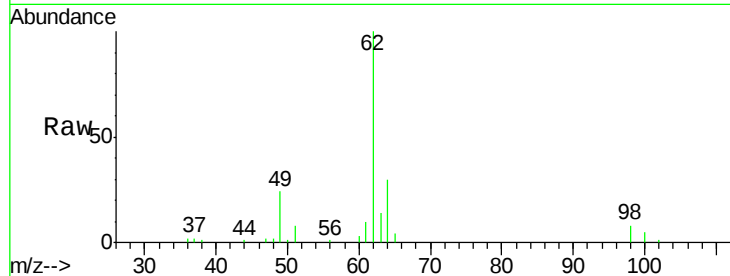
#37
 1,2-Dichloroethane
 Concen: 1.04 ppbv
 RT: 7.34 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.3	6.2	9.4

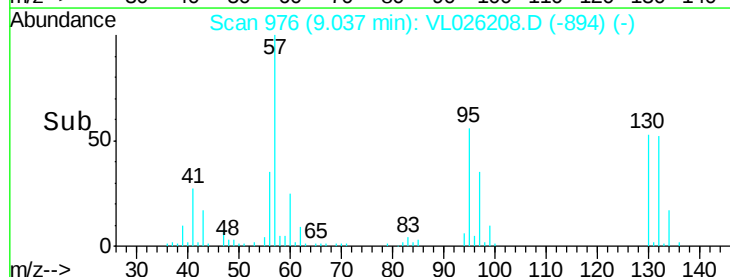
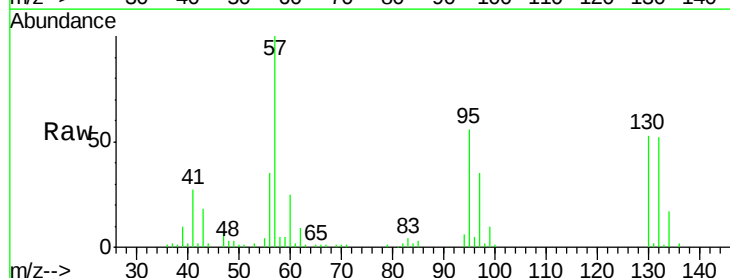
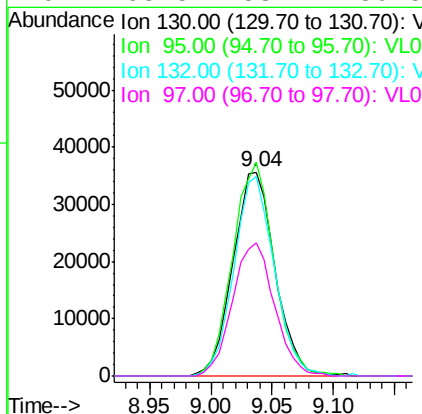
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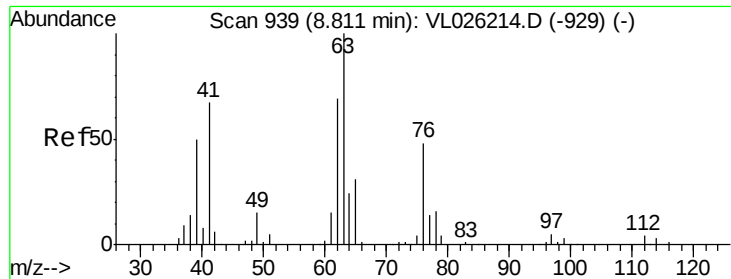
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#38
 Trichloroethene
 Concen: 1.06 ppbv
 RT: 9.04 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	84.2	126.2
132	98.3	78.5	117.7
97	65.5	53.7	80.5





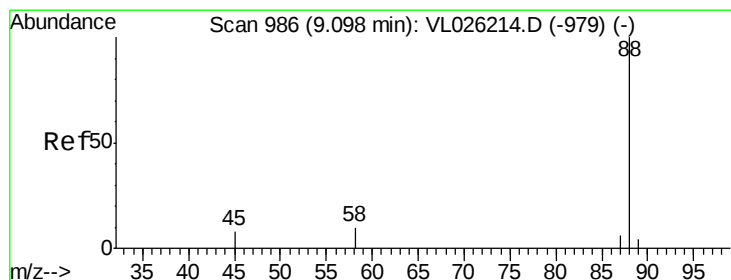
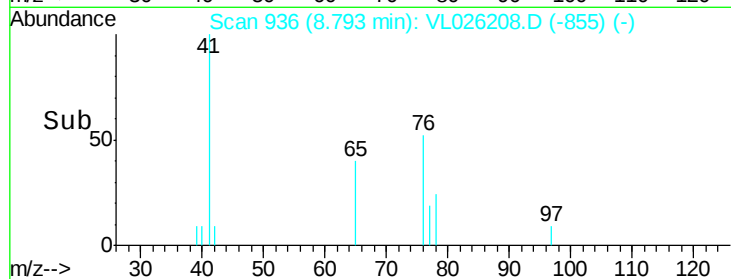
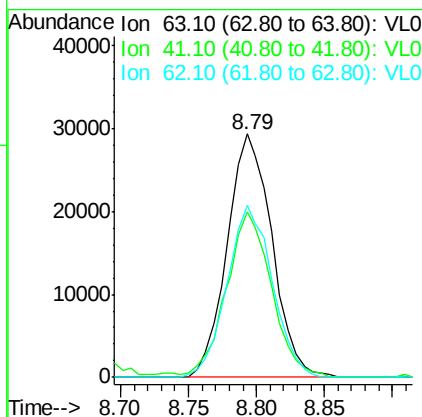
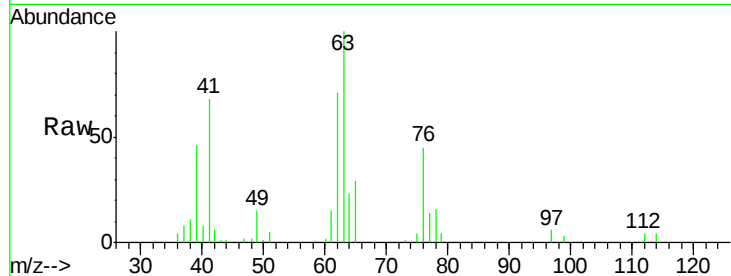
#39
 1,2-Dichloropropane
 Concen: 1.05 ppbv
 RT: 8.79 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.9	54.0	81.0
62	70.9	56.7	85.1

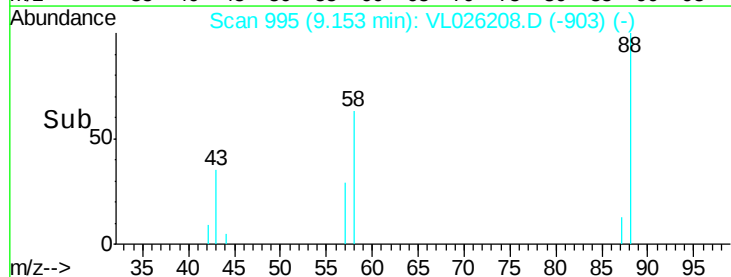
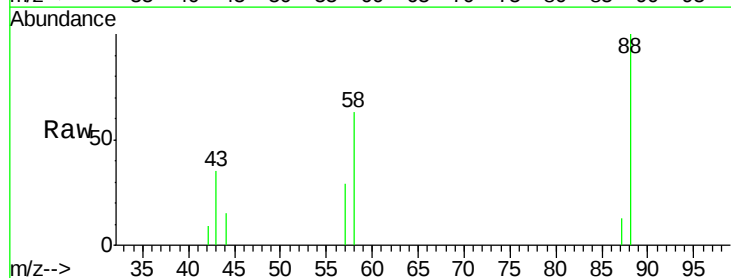
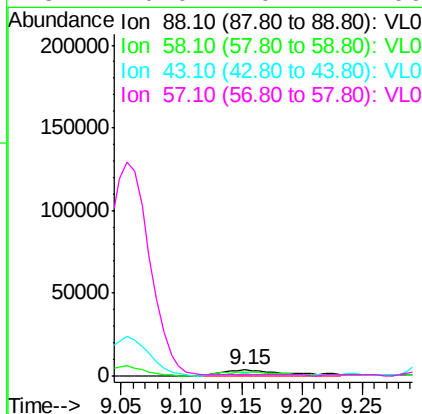
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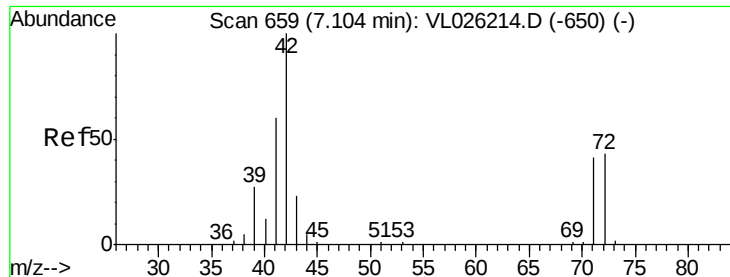
MMDadoda
 10/22/2015 4:31:20 PM



#40
 1,4-Dioxane
 Concen: 1.20 ppbv m
 RT: 9.15 min Scan# 995
 Delta R.T. 0.06 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	80.9	115.9	173.9#
43	33.0	279.4	419.0#
57	0.0	1404.1	2106.1#





#41

Tetrahydrofuran

Concen: 1.08 ppbv

RT: 7.12 min Scan# 662

Delta R.T. 0.03 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

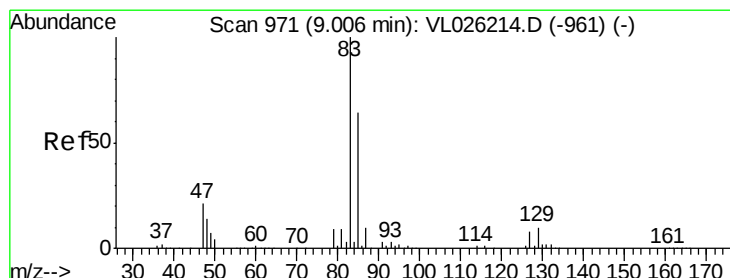
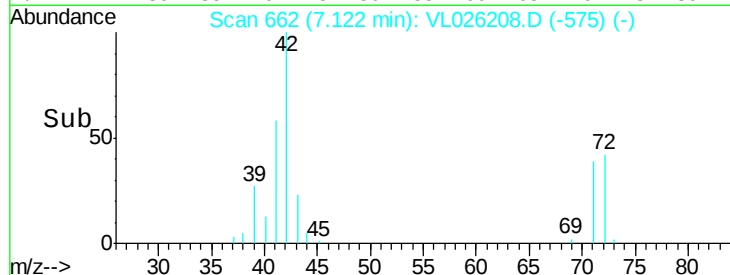
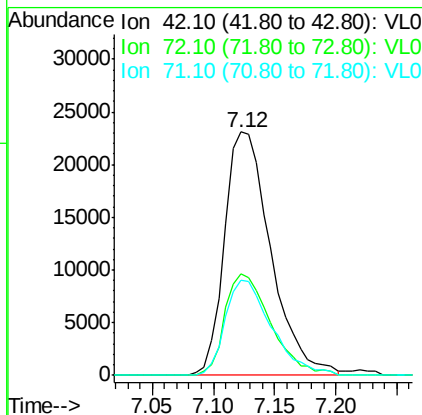
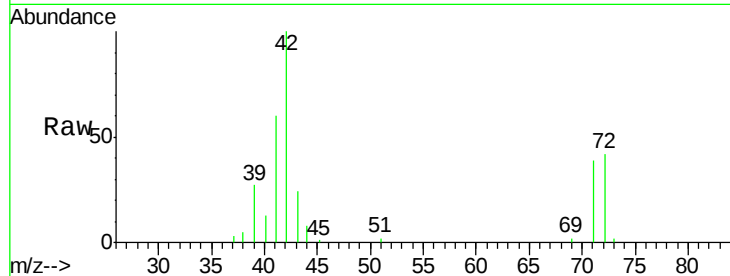
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	60649
Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	39.2	32.3	48.5

Manual Integrations
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#42

Bromodichloromethane

Concen: 1.14 ppbv

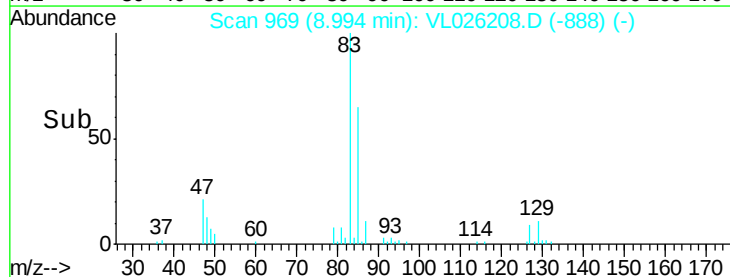
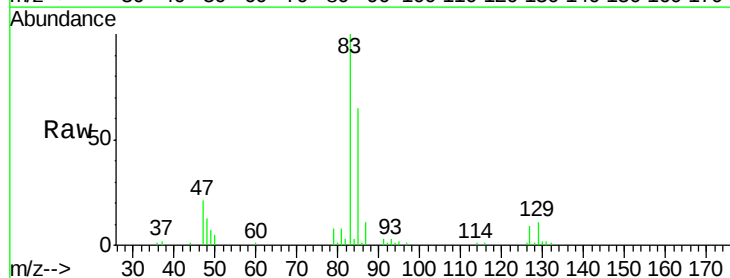
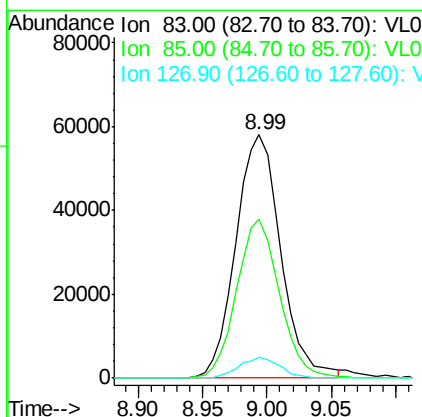
RT: 8.99 min Scan# 969

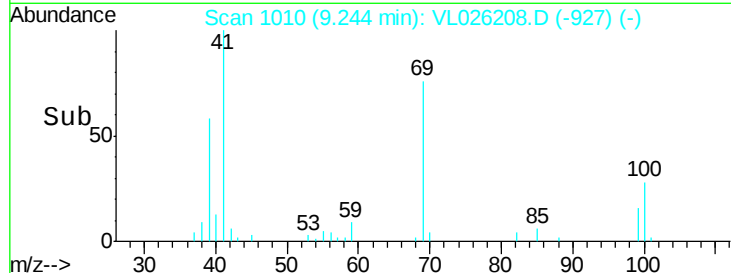
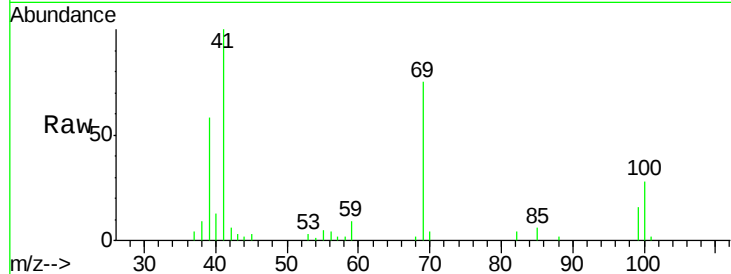
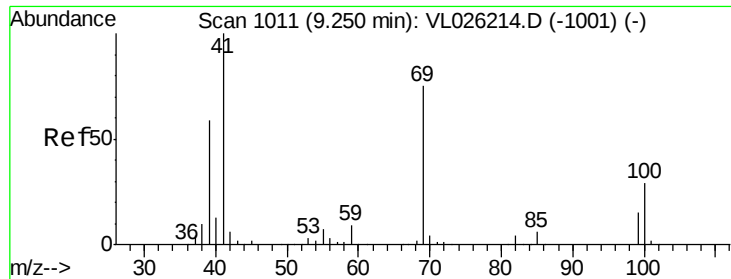
Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion:	83	Resp:	140683
Ion	Ratio	Lower	Upper
83	100		
85	65.2	50.6	75.8
127	8.6	6.5	9.7





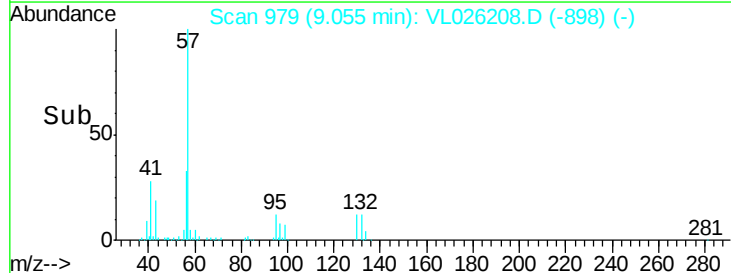
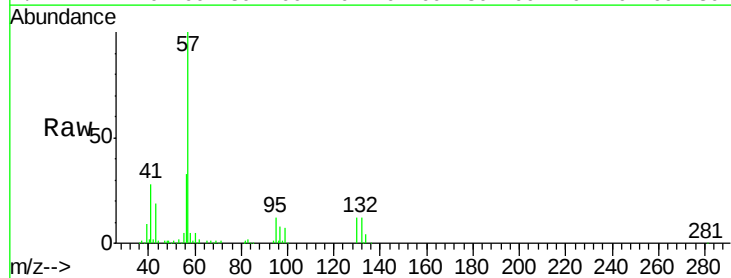
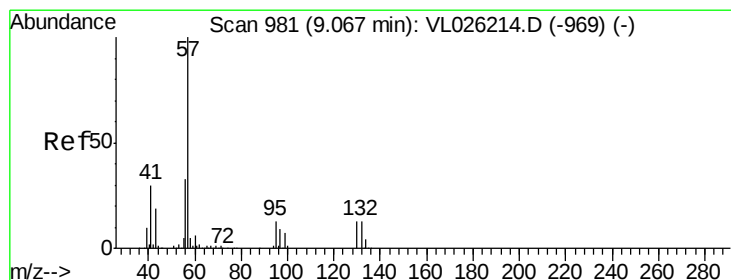
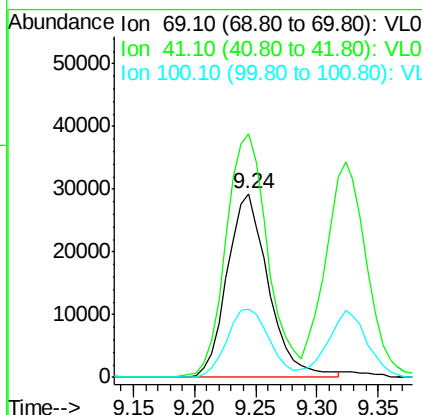
#43
Methvl Methacrylate
Concen: 1.12 ppbv
RT: 9.24 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tot Ion	Ratio	Resp	Lower	Upper
69	100	68514		
41	132.4		109.0	163.4
100	37.8		31.0	46.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

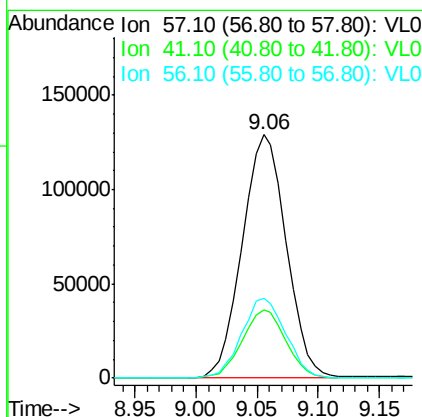
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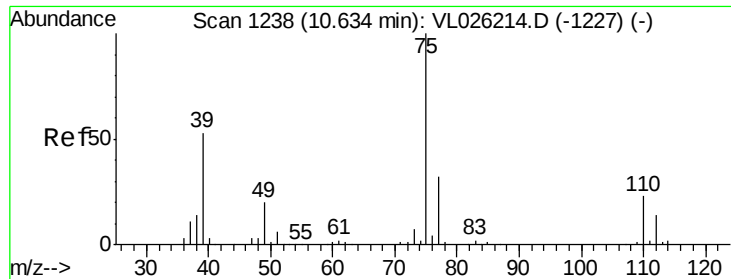
MMDadoda
10/22/2015 4:31:20 PM



#44
2,2,4-Trimethylpentane
Concen: 1.12 ppbv
RT: 9.06 min Scan# 979
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	323013		
41	28.0		24.0	36.0
56	32.7		26.6	39.8





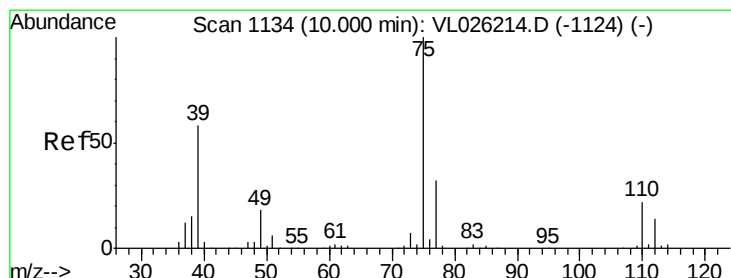
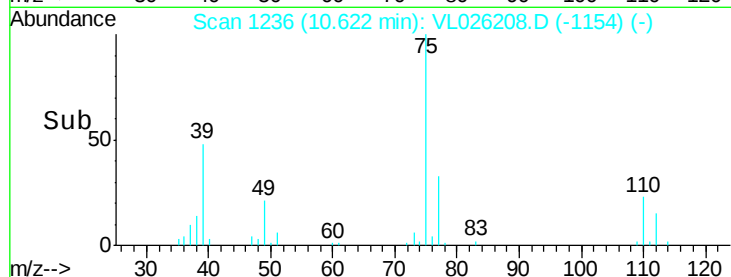
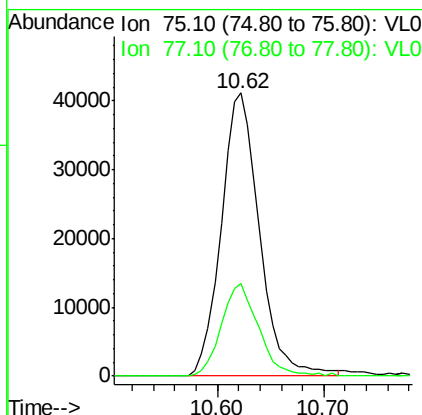
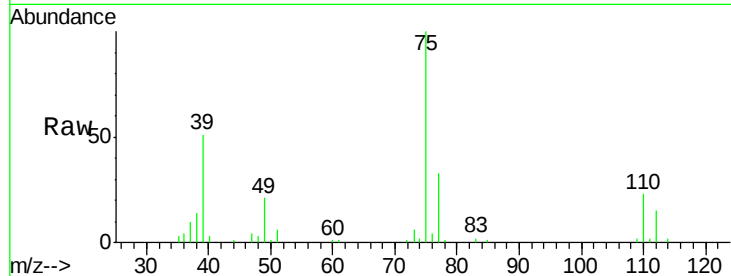
#45
 t-1,3-Dichloropropene
 Concen: 1.21 ppbv
 RT: 10.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 103346
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.5 38.3

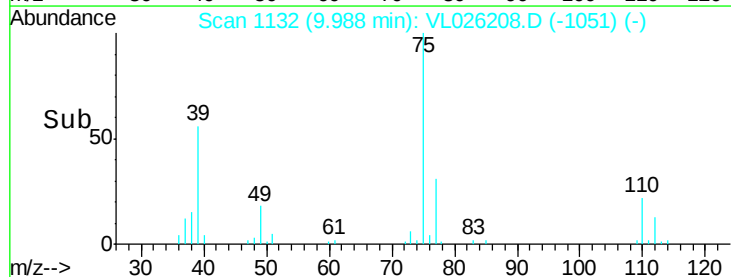
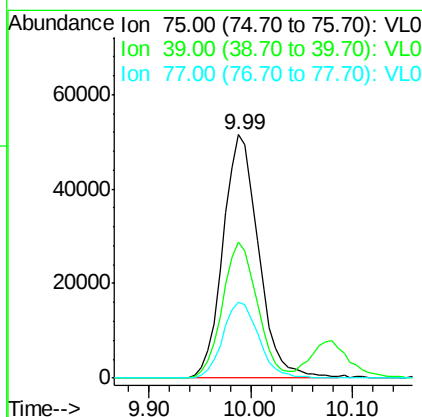
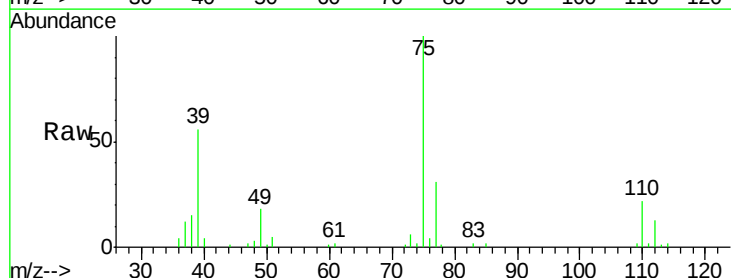
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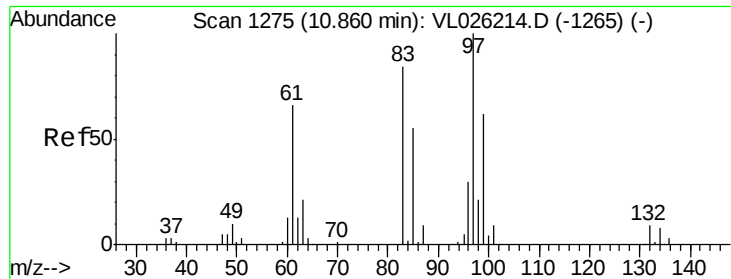
MMDadoda
 10/22/2015 4:31:20 PM



#46
 cis-1,3-Dichloropropene
 Concen: 1.20 ppbv
 RT: 9.99 min Scan# 1132
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion: 75 Resp: 124861
 Ion Ratio Lower Upper
 75 100
 39 55.7 45.3 67.9
 77 31.2 25.3 37.9





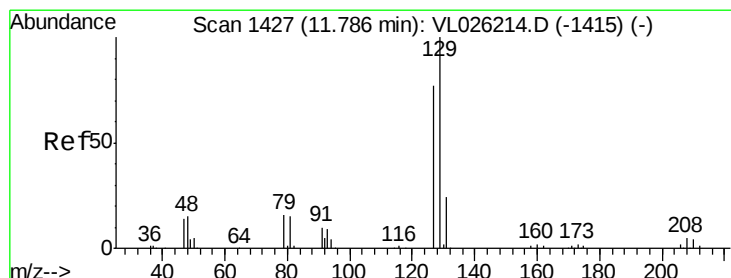
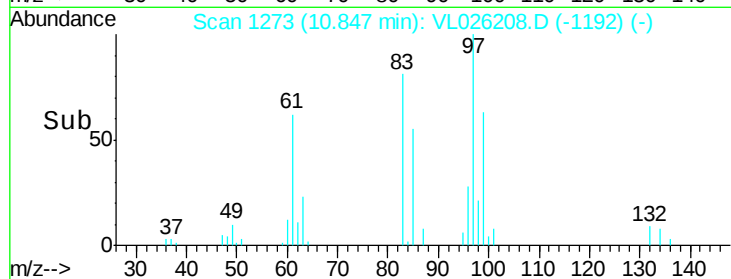
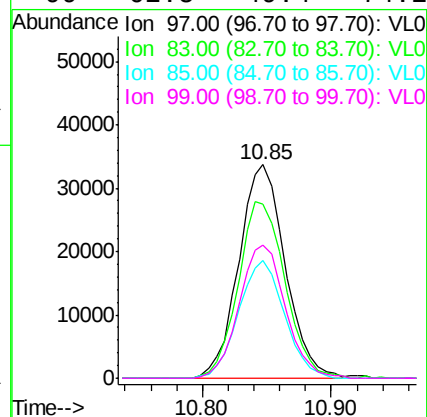
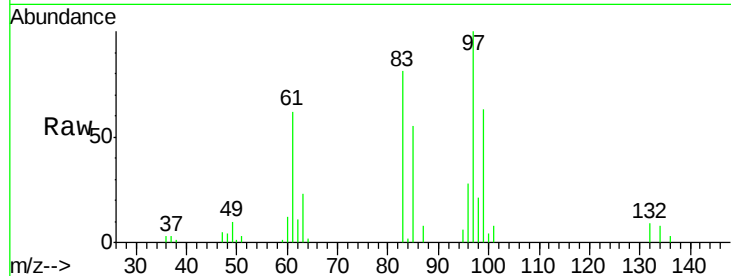
#47
 1,1,2-Trichloroethane
 Concen: 1.08 ppbv
 RT: 10.85 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.4	68.6	103.0
85	54.9	43.5	65.3
99	62.5	49.4	74.2

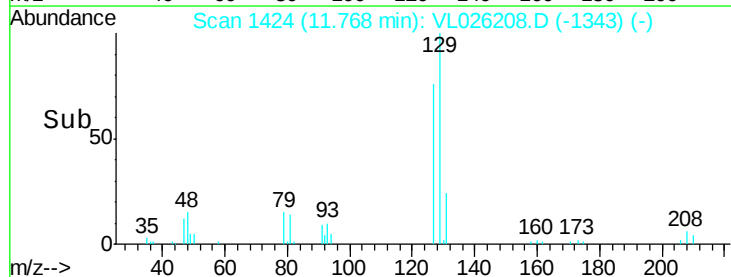
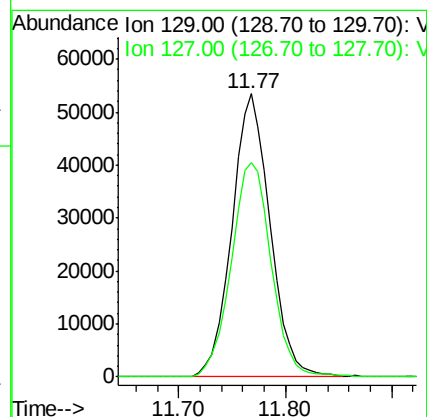
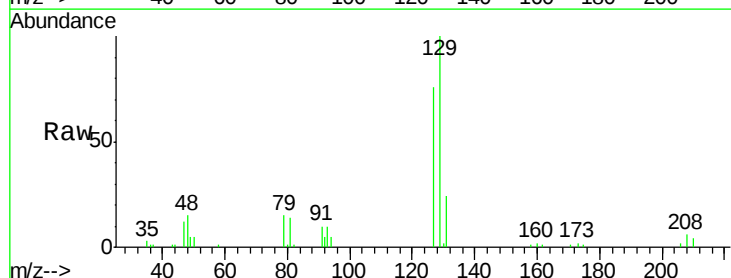
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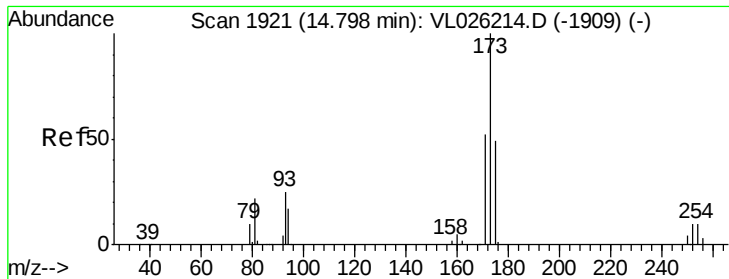
MMDadoda
 10/22/2015 4:31:20 PM



#48
 Dibromochloromethane
 Concen: 1.20 ppbv
 RT: 11.77 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.2	117.6





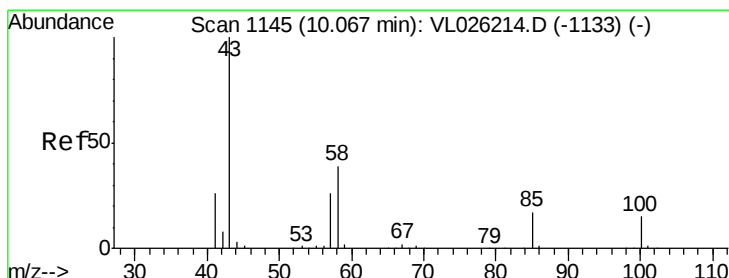
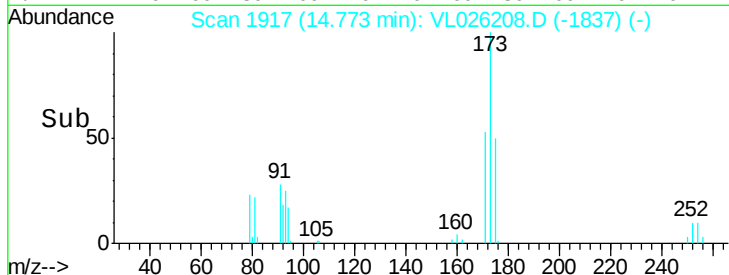
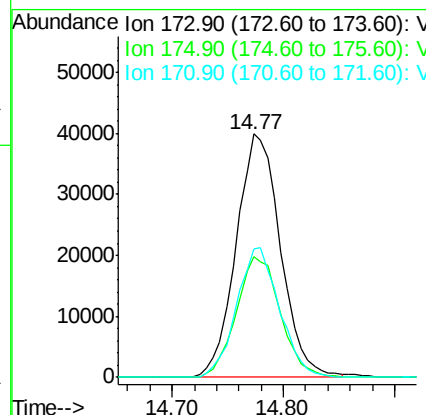
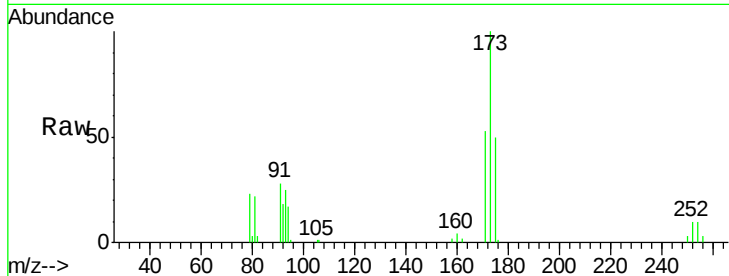
#49
Bromoform
Concen: 1.29 ppbv
RT: 14.77 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:173 Resp: 110347
Ion Ratio Lower Upper
173 100
175 49.4 38.7 58.1
171 51.5 41.4 62.0

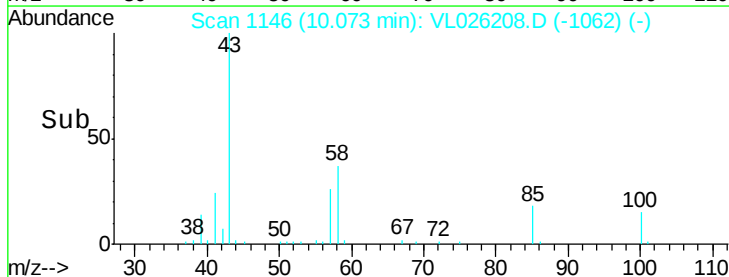
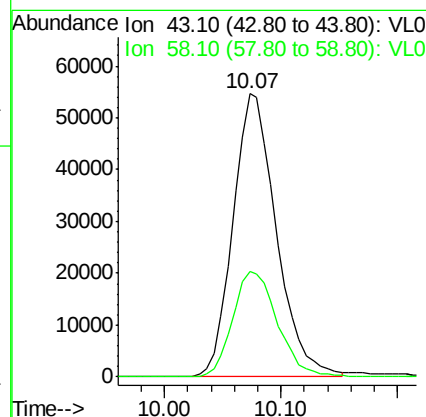
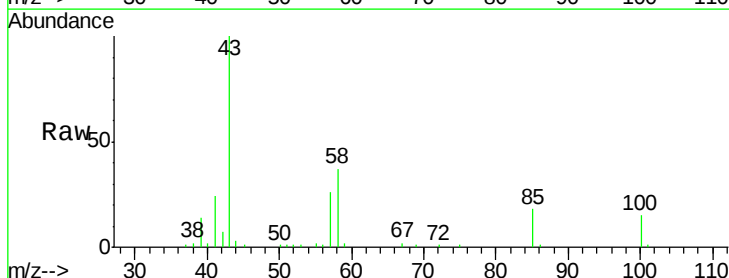
Manual Integrations
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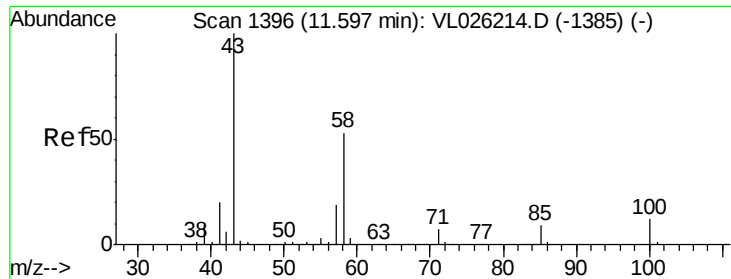
MMDadoda
10/22/2015 4:31:20 PM



#50
4-Methyl-2-Pentanone
Concen: 1.07 ppbv
RT: 10.07 min Scan# 1146
Delta R.T. 0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 43 Resp: 141614
Ion Ratio Lower Upper
43 100
58 38.4 31.3 46.9





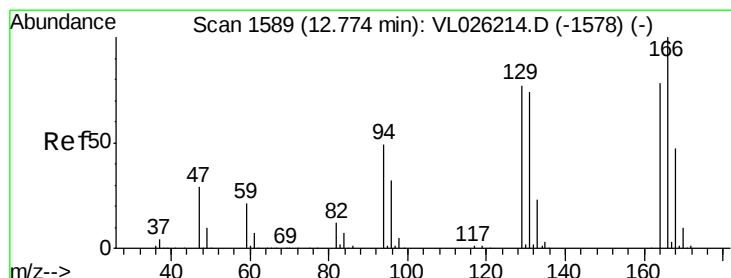
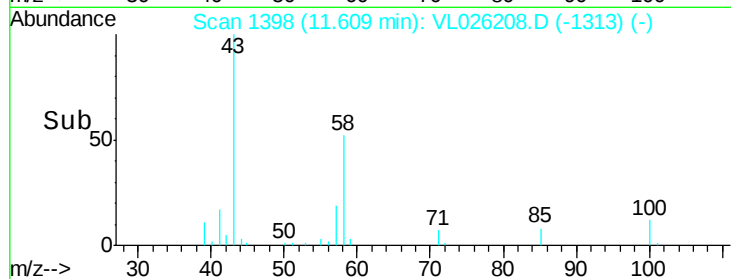
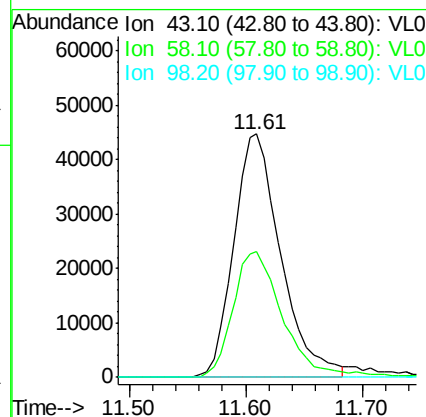
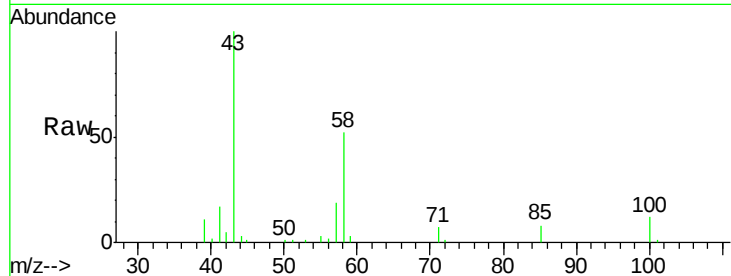
#51
2-Hexanone
Concen: 1.06 ppbv
RT: 11.61 min Scan# 1398
Delta R.T. 0.02 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.4	43.9	65.9
98	0.0	0.1	0.1#

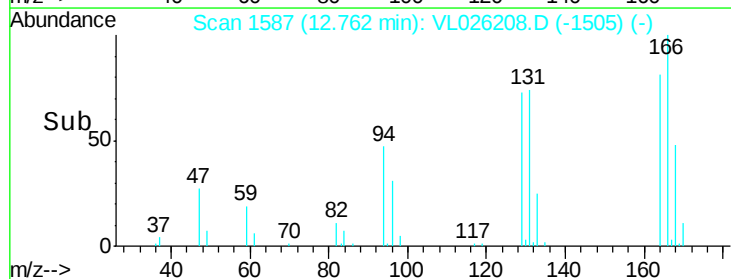
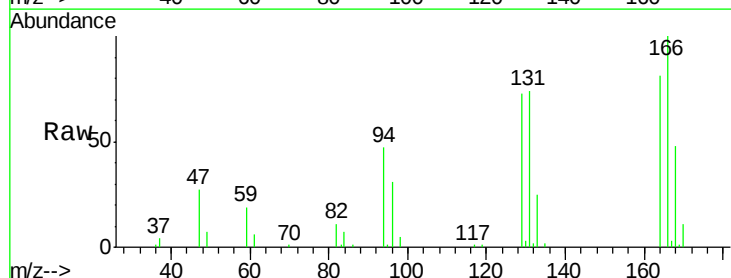
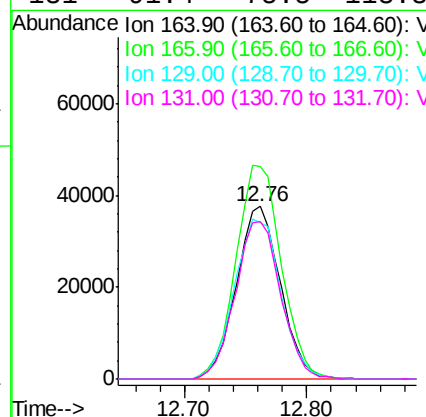
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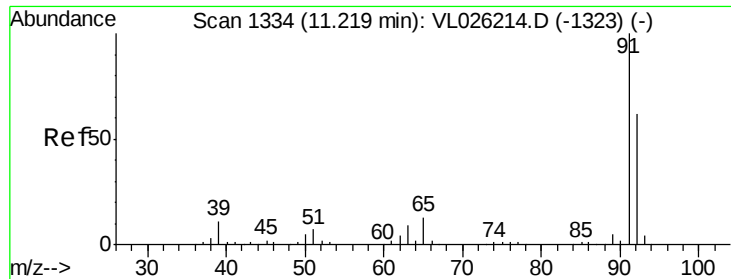
MMDadoda
10/22/2015 4:31:20 PM



#52
Tetrachloroethene
Concen: 1.09 ppbv
RT: 12.76 min Scan# 1587
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	100.9	151.3
129	90.6	79.7	119.5
131	91.4	75.5	113.3





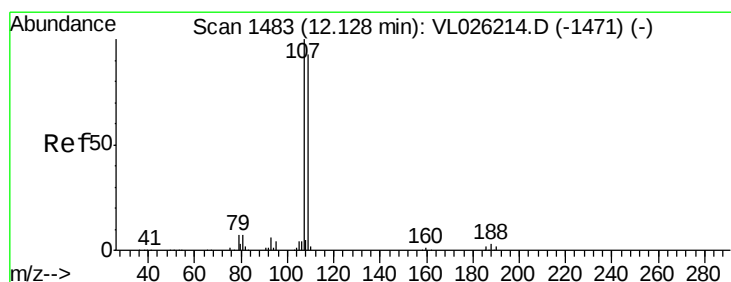
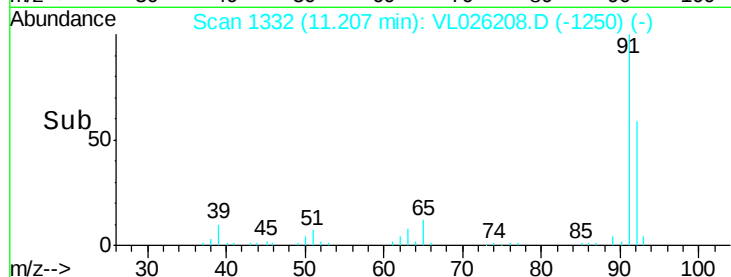
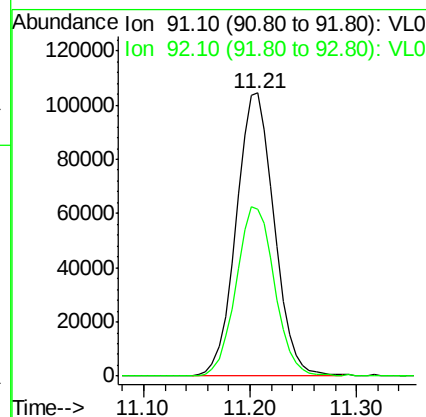
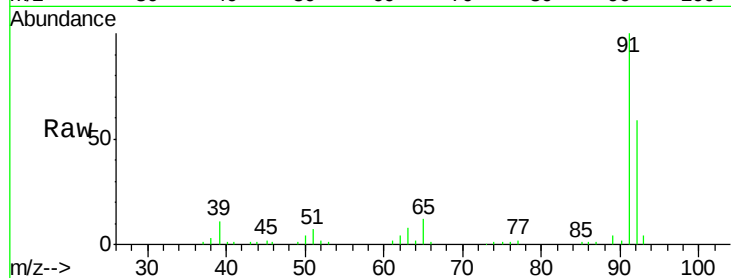
#53
Toluene
Concen: 1.17 ppbv
RT: 11.21 min Scan# 1332
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 261938
Ion Ratio Lower Upper
91 100
92 60.6 49.0 73.6

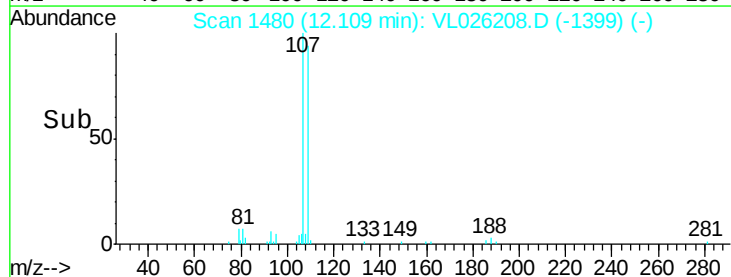
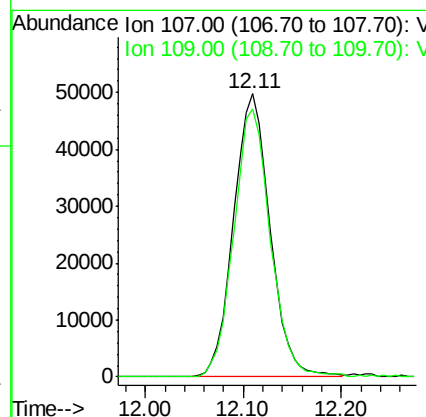
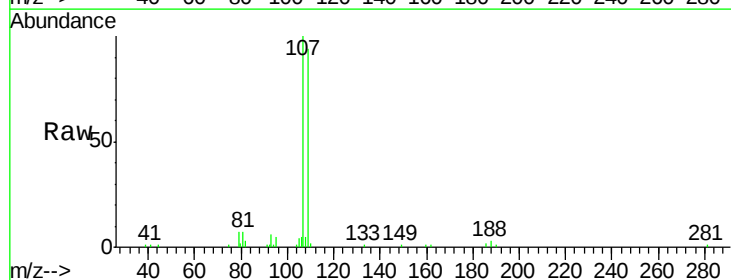
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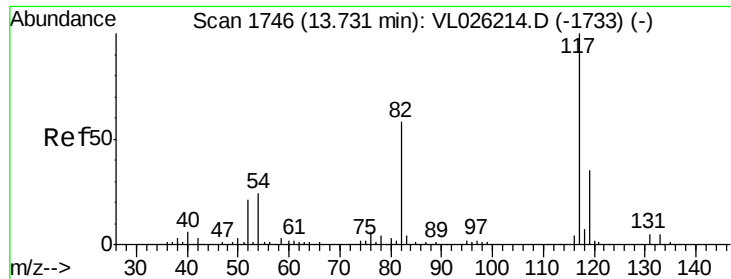
MMDadoda
10/22/2015 4:31:20 PM



#54
1,2-Dibromoethane
Concen: 1.11 ppbv
RT: 12.11 min Scan# 1480
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 107 Resp: 128815
Ion Ratio Lower Upper
107 100
109 94.5 74.6 112.0





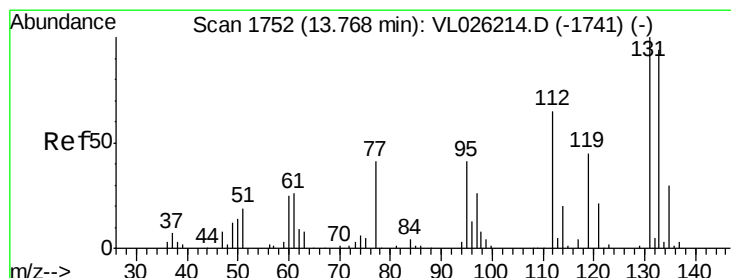
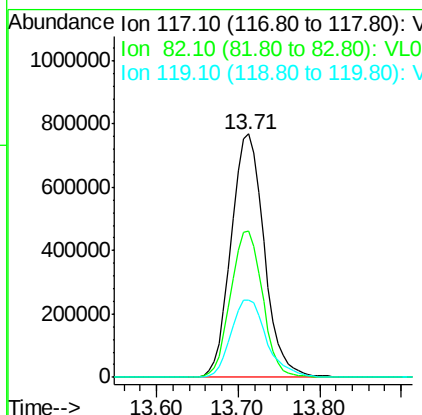
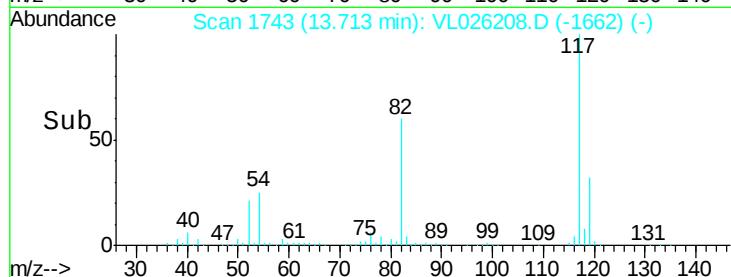
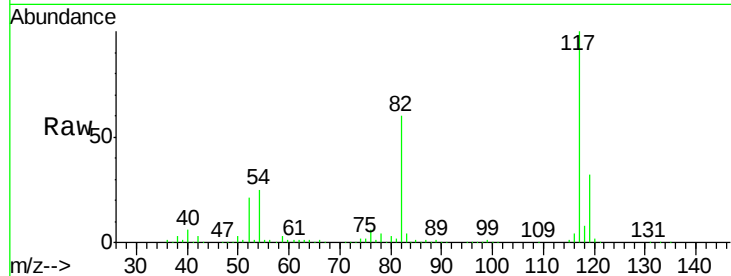
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2163150
Ion Ratio Lower Upper
117 100
82 58.5 46.3 69.5
119 34.6 45.0 67.4#

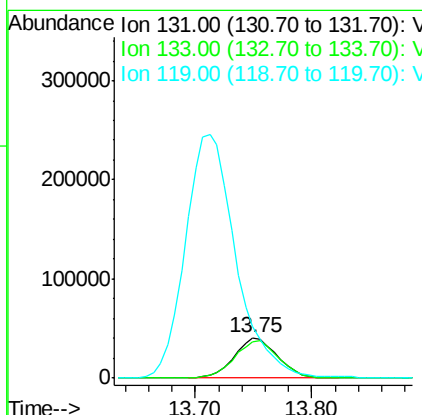
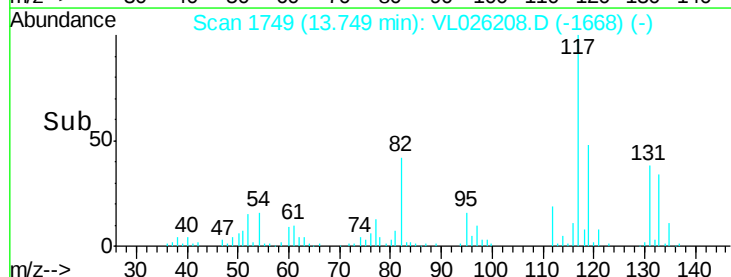
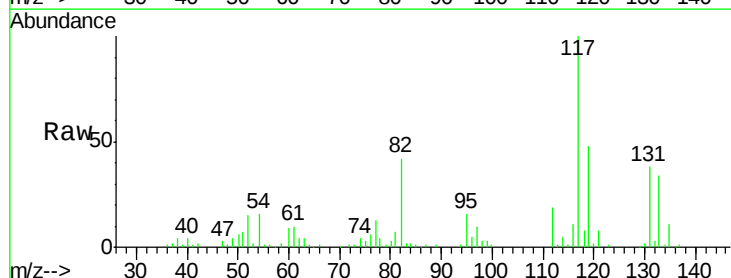
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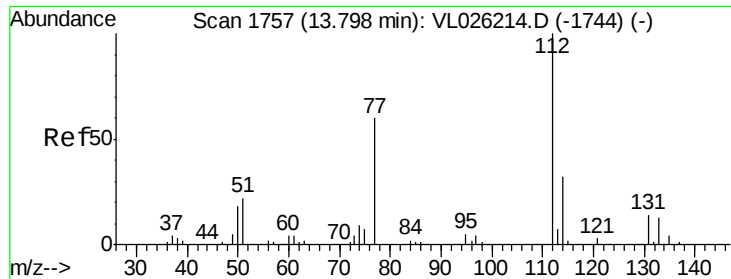
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.20 ppbv
RT: 13.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion:131 Resp: 105109
Ion Ratio Lower Upper
131 100
133 95.1 76.1 114.1
119 712.6 109.4 164.2#





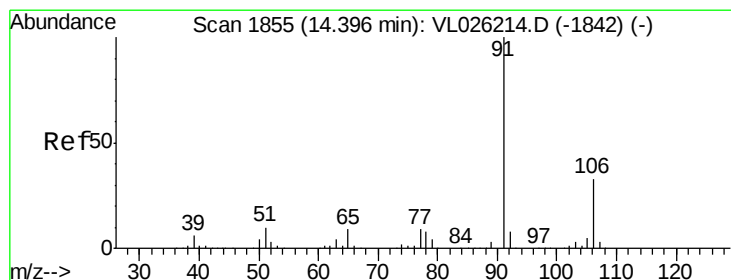
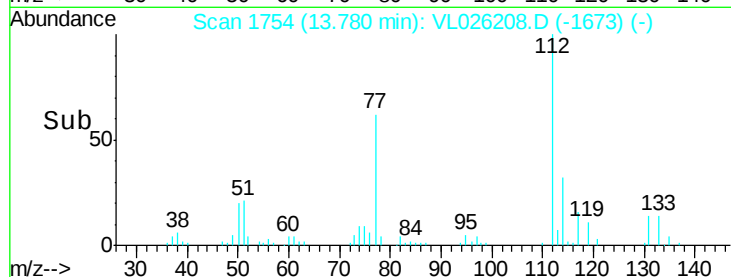
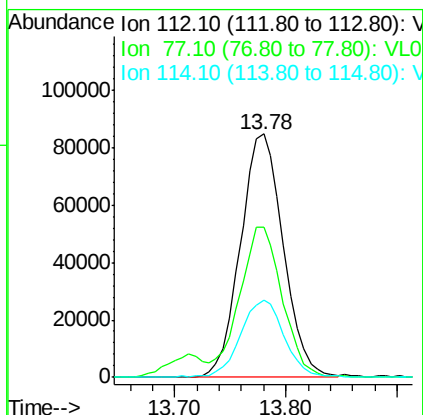
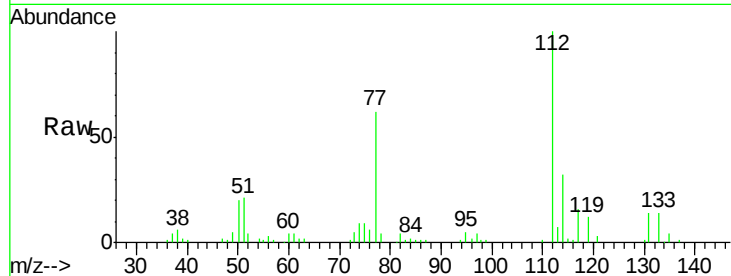
#57
Chlorobenzene
Concen: 1.15 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
77	60.8	48.2	72.4
114	31.6	29.0	35.4

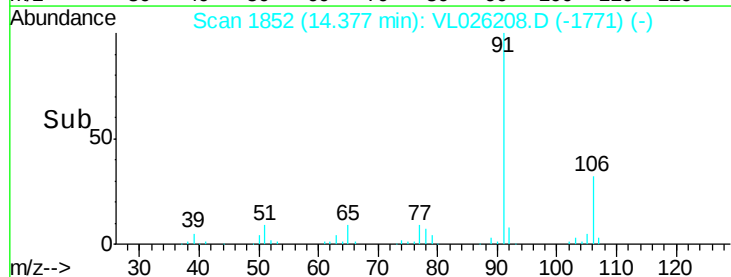
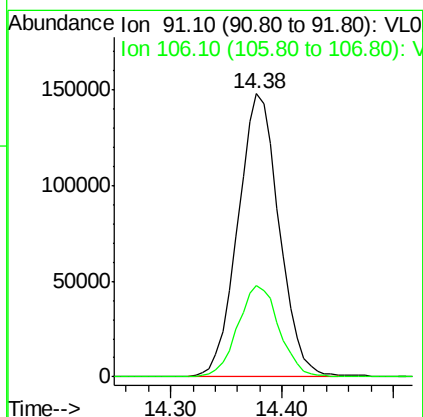
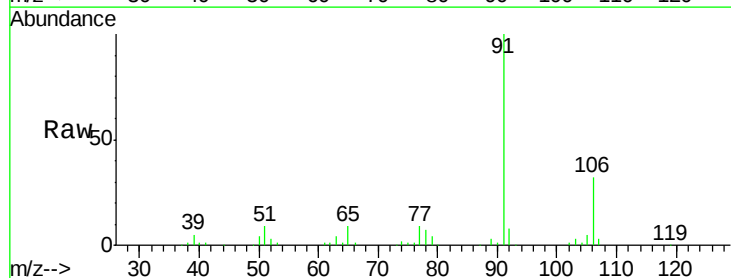
Manual Integrations
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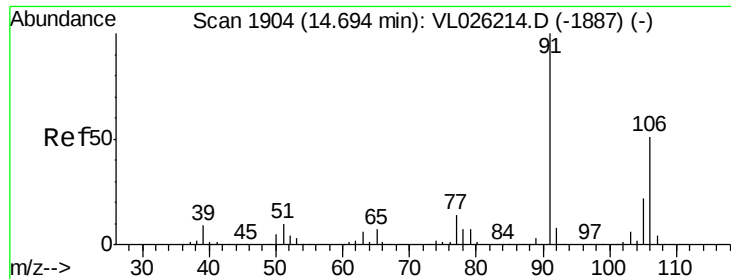
MMDadoda
10/22/2015 4:31:20 PM



#58
Ethyl Benzene
Concen: 1.20 ppbv
RT: 14.38 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	26.2	39.2





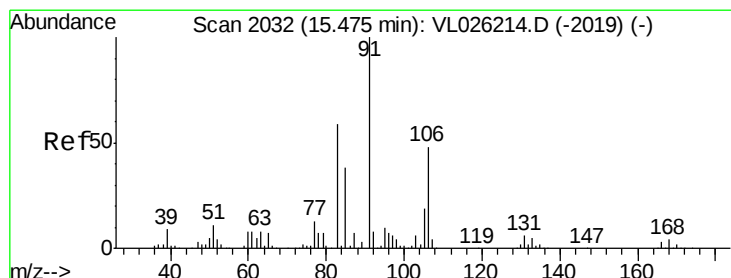
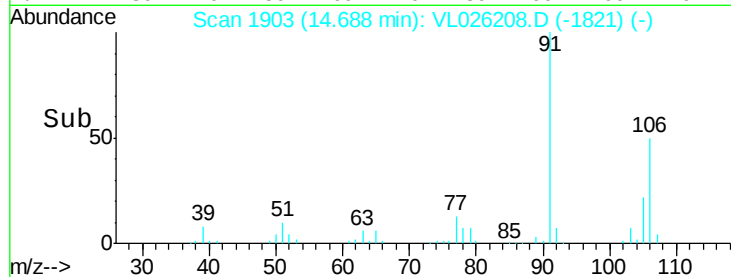
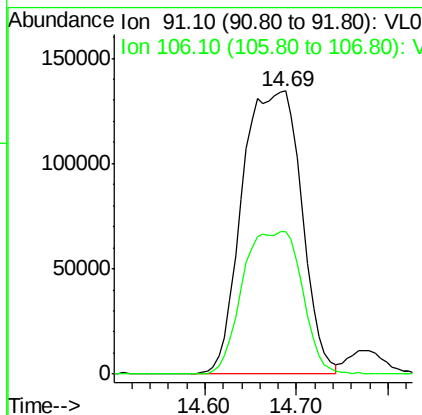
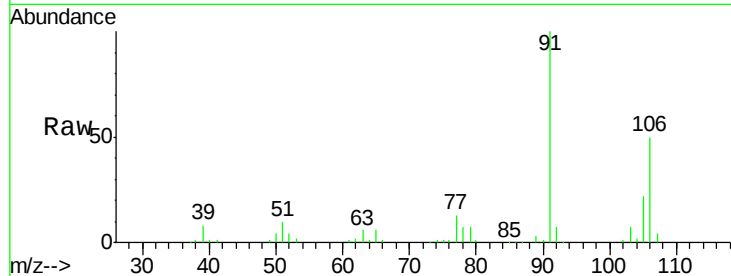
#59
m/p-Xylene
Concen: 2.37 ppbv m
RT: 14.69 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion: 91 Resp: 603100
Ion Ratio Lower Upper
91 100
106 50.6 40.6 60.8

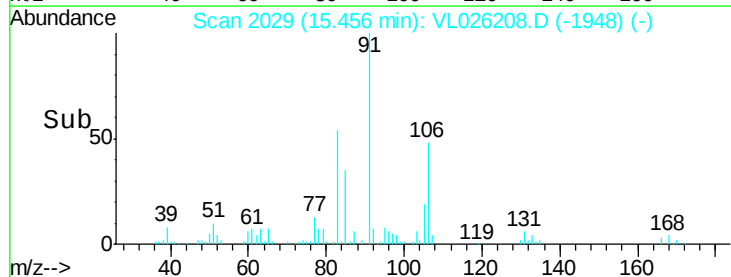
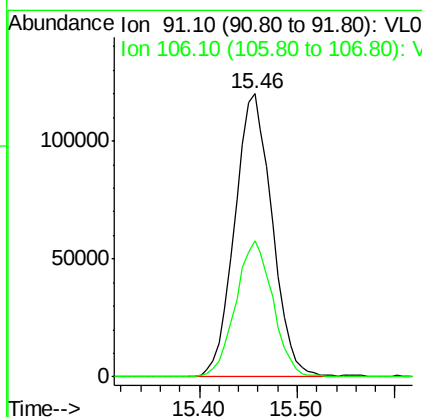
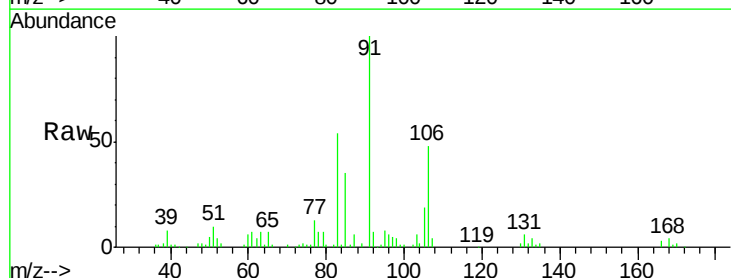
Manual Integrations
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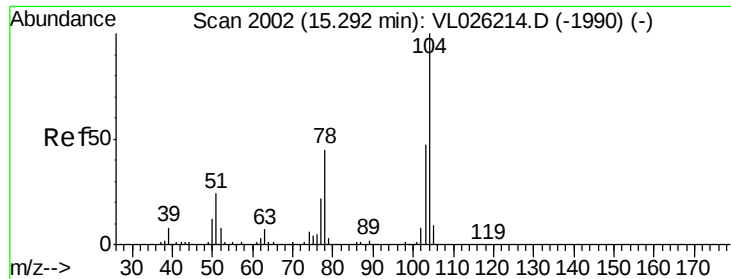
MMDadoda
10/22/2015 4:31:20 PM



#60
o-Xylene
Concen: 1.20 ppbv
RT: 15.46 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion: 91 Resp: 318916
Ion Ratio Lower Upper
91 100
106 47.8 23.6 71.0





#61

Stvrene

Concen: 1.22 ppbv

RT: 15.28 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

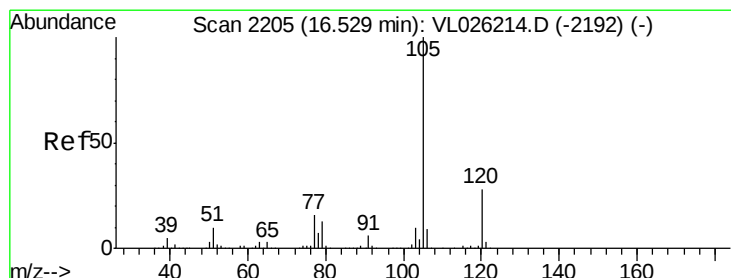
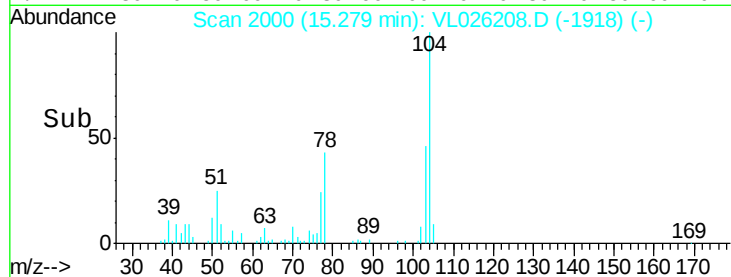
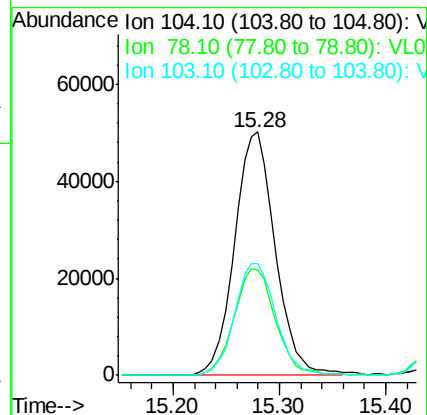
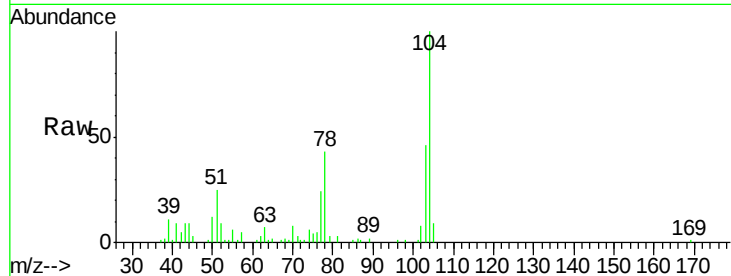
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	133977
Ion Ratio	Lower	Upper	
104	100		
78	44.9	35.6	53.4
103	46.9	37.1	55.7

Manual Integrations
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MMDadoda
10/22/2015 4:31:20 PM



#62

Isopropylbenzene

Concen: 1.23 ppbv

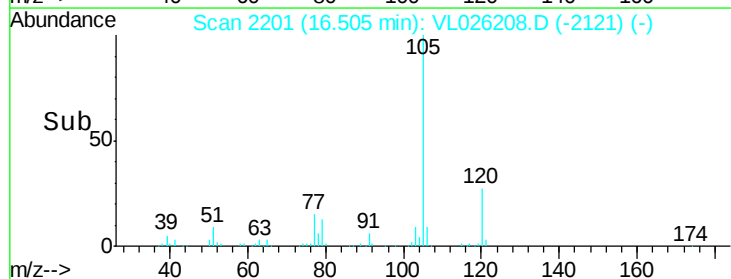
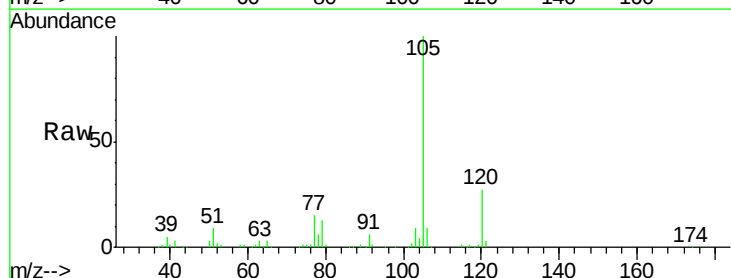
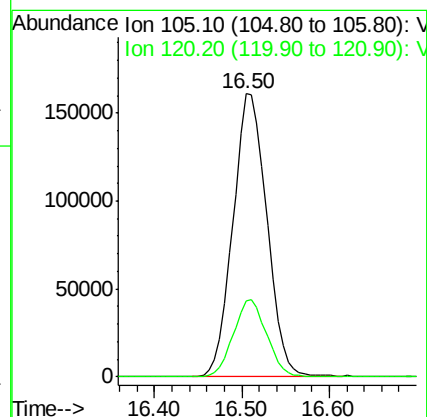
RT: 16.50 min Scan# 2201

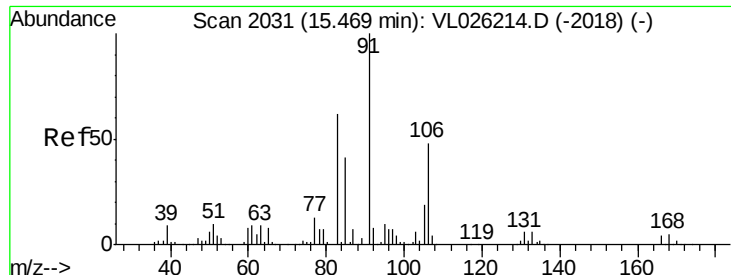
Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion:	105	Resp:	435658
Ion Ratio	Lower	Upper	
105	100		
120	26.8	21.8	32.6





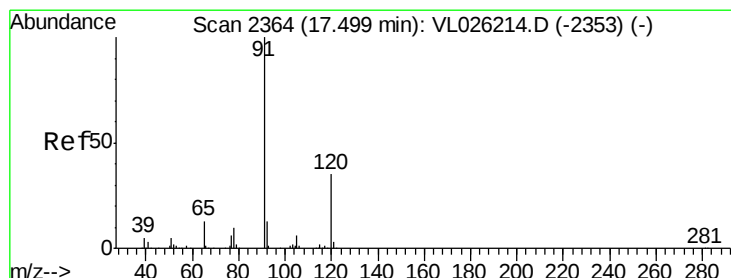
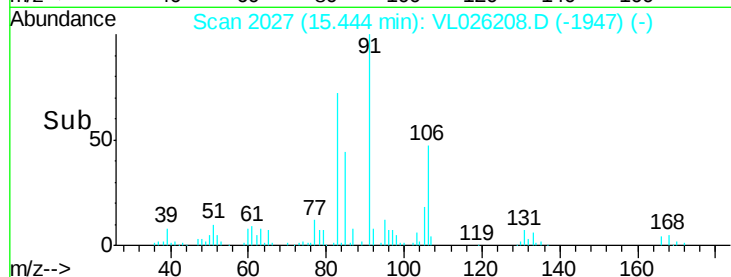
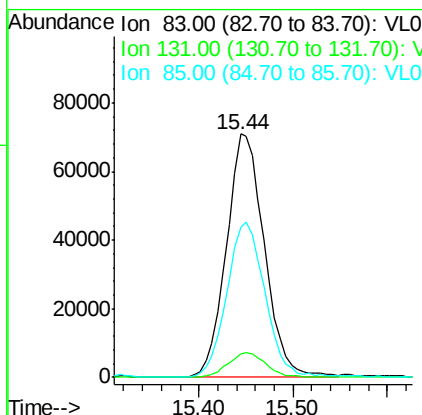
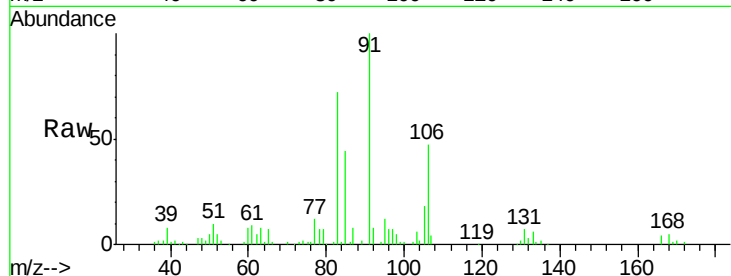
#63
1,1,2,2-Tetrachloroethane
Concen: 1.01 ppbv
RT: 15.44 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199445		
131	10.0	4.9	14.7	
85	64.5	32.3	96.8	

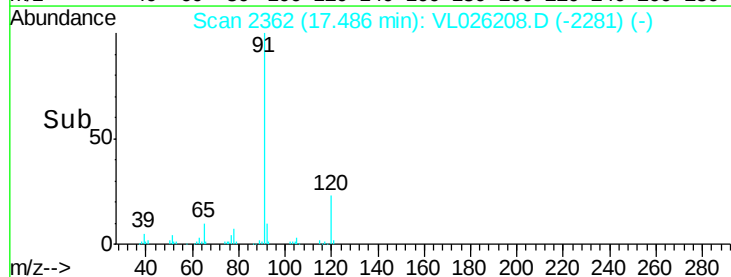
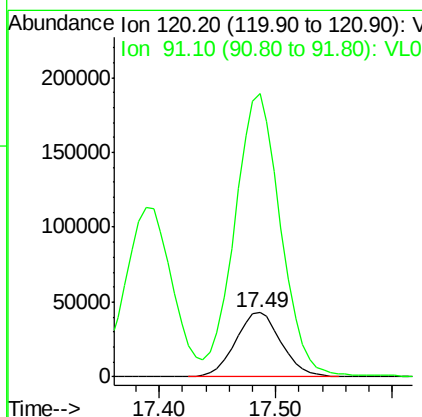
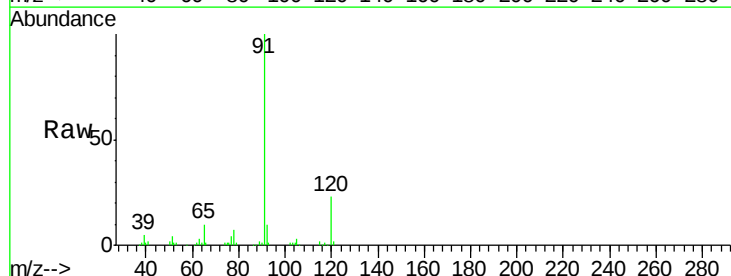
Manual Integrations
APPROVED

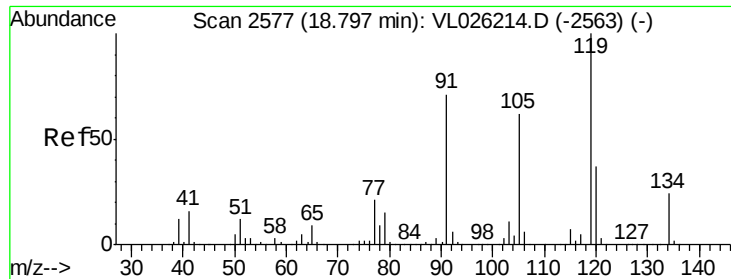
MMDadoda
10/22/2015 4:31:20 PM



#64
n-propylbenzene
Concen: 1.23 ppbv
RT: 17.49 min Scan# 2362
Delta R.T. -0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	117666		
91	436.4	332.1	498.1	





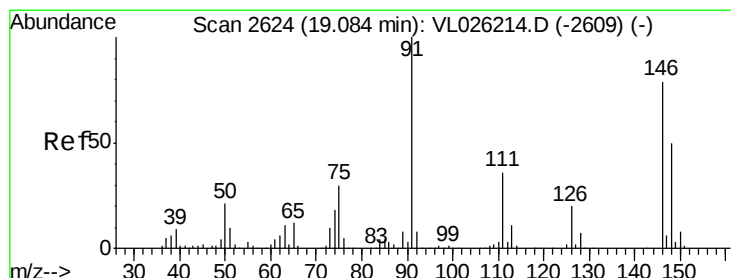
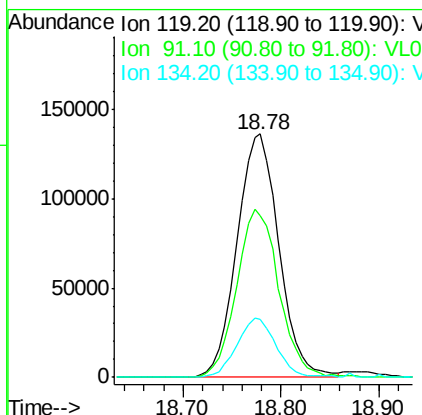
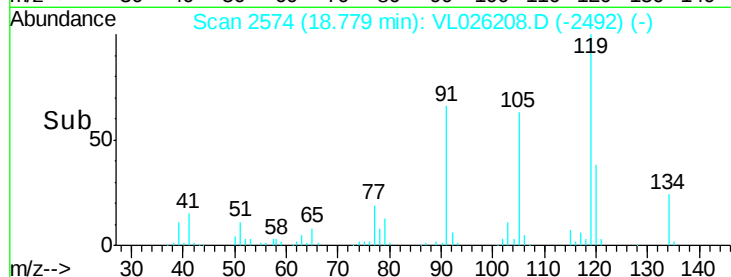
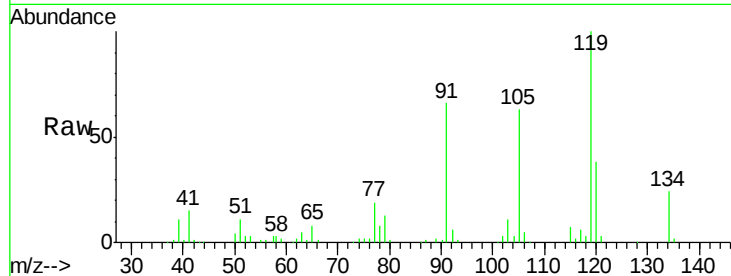
#65
 tert-Butylbenzene
 Concen: 1.30 ppbv
 RT: 18.78 min Scan# 2574
 Delta R.T. -0.00 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	57.6	86.4
134	22.9	17.8	26.6

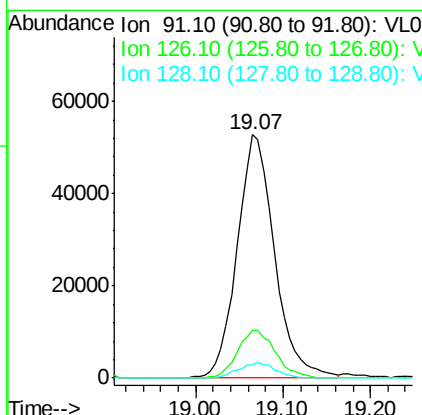
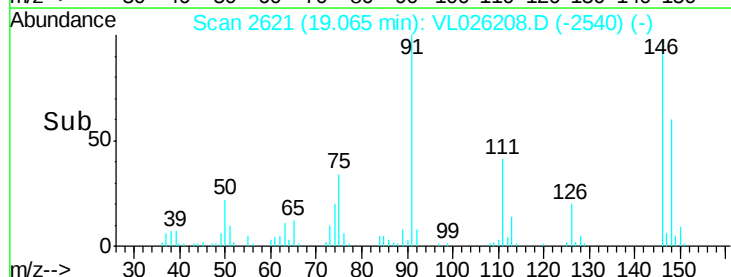
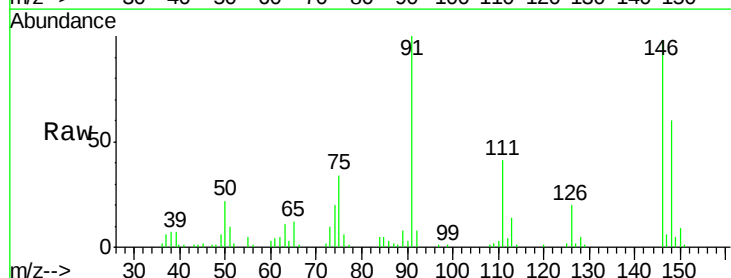
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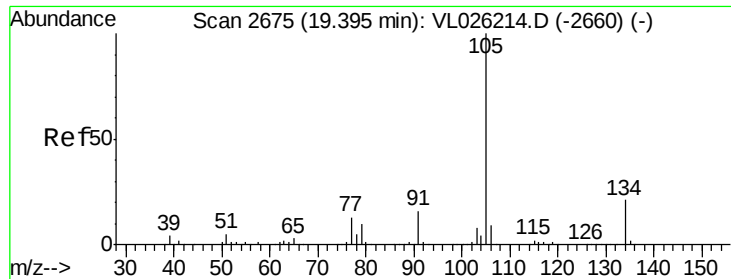
MMDadoda
 10/22/2015 4:31:20 PM



#66
 Benzyl Chloride
 Concen: 1.60 ppbv
 RT: 19.07 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.8	16.1	24.1
128	6.1	5.1	7.7





#67

sec-Butylbenzene

Concen: 1.28 ppbv

RT: 19.38 min Scan# 2672

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 558780

Ion Ratio Lower Upper

105 100

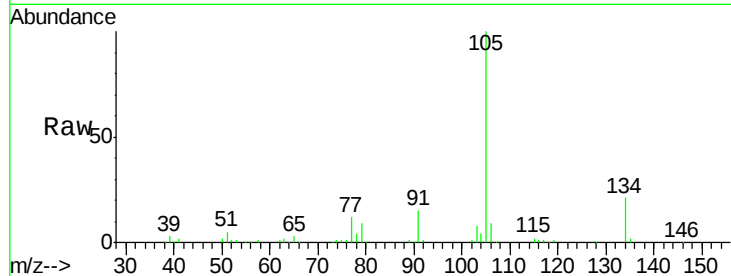
134 20.2

16.3 24.5

Manual Integrations
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10/22/2015 4:31:20 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

19.38

200000

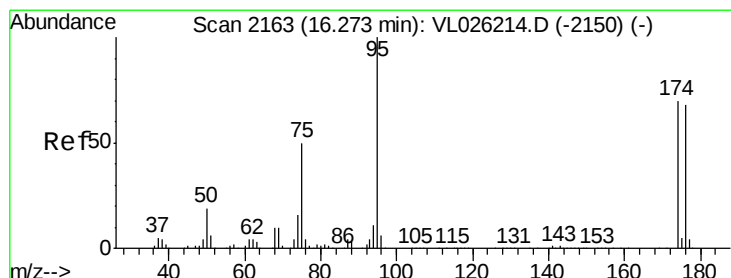
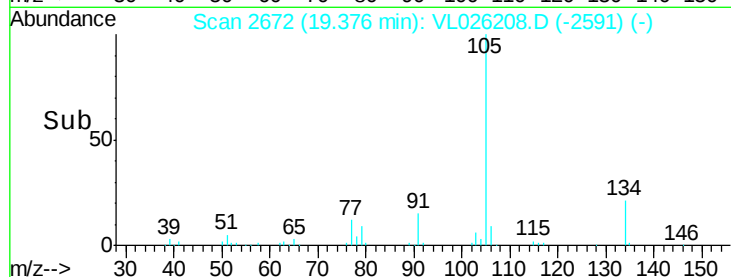
150000

100000

50000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.11 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion: 95 Resp: 1680040

Ion Ratio Lower Upper

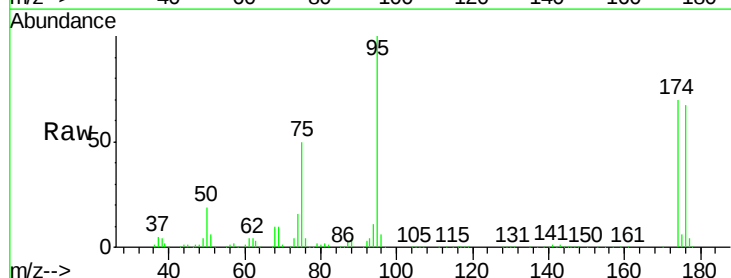
95 100

174 70.0

175 5.5

56.2 84.2

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

16.25

800000

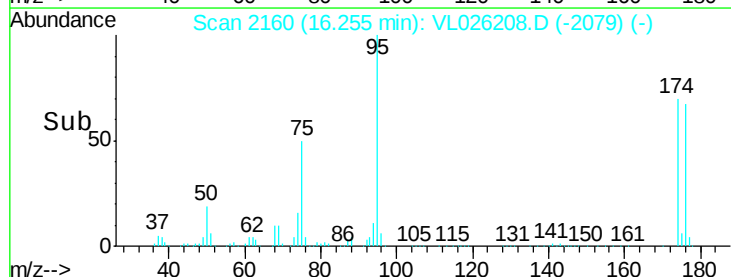
600000

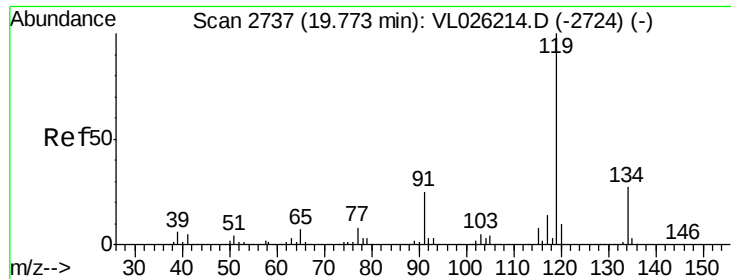
400000

200000

0

Time-->





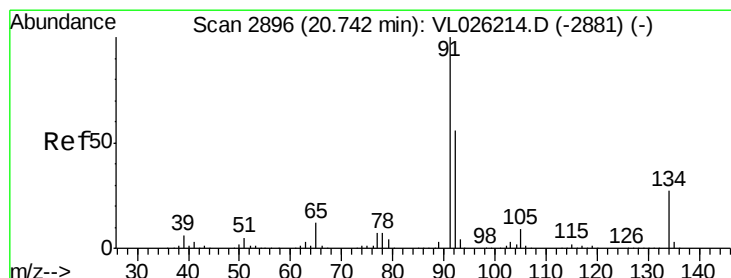
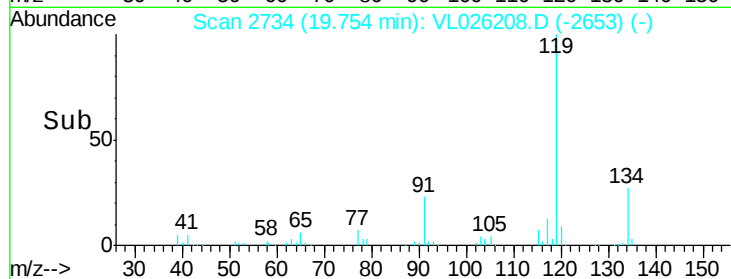
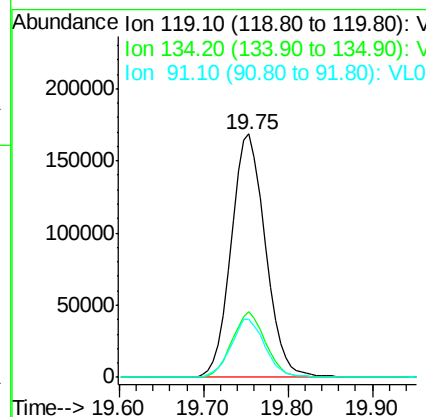
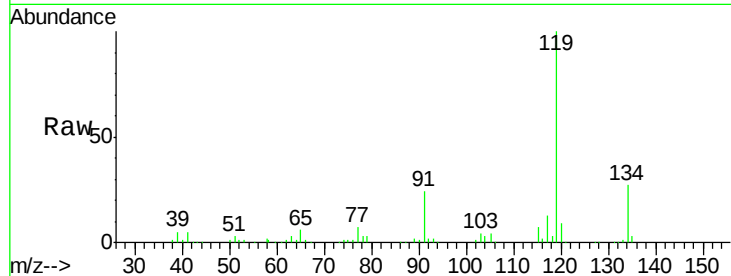
#69
 p-Isopropyltoluene
 Concen: 1.33 ppbv
 RT: 19.75 min Scan# 2734
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	466587		
134	26.1		21.4	32.0
91	23.7		19.8	29.8

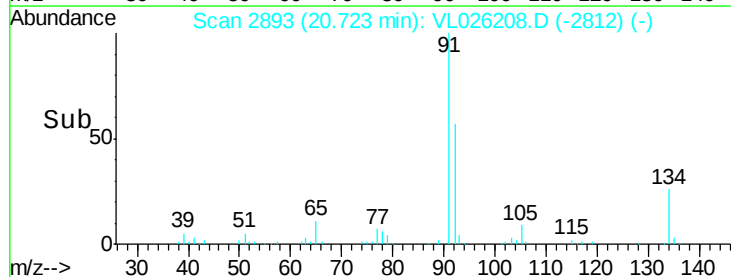
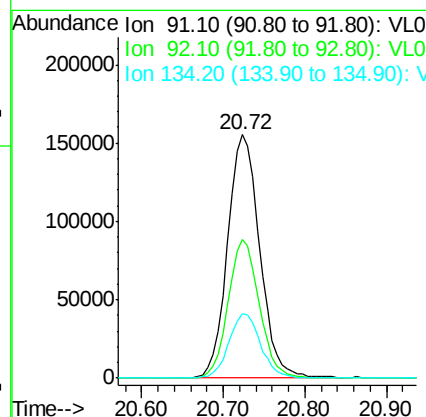
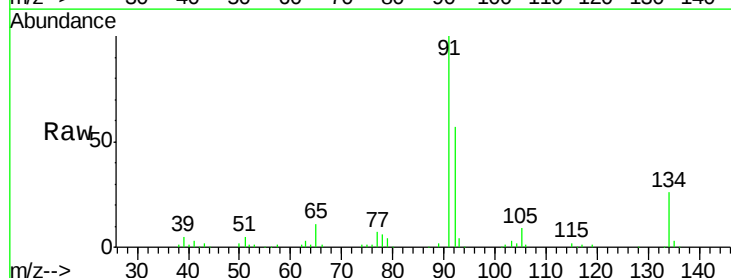
Manual Integrations
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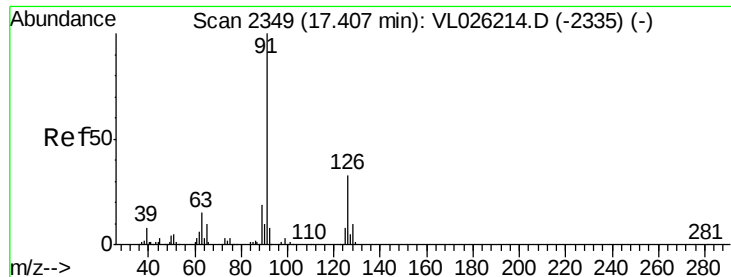
MMDadoda
 10/22/2015 4:31:20 PM



#70
 n-Butylbenzene
 Concen: 1.27 ppbv
 RT: 20.72 min Scan# 2893
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	423055		
92	55.1		44.7	67.1
134	26.0		21.1	31.7





#71

2-Chlorotoluene

Concen: 1.23 ppbv

RT: 17.39 min Scan# 2346

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 317534

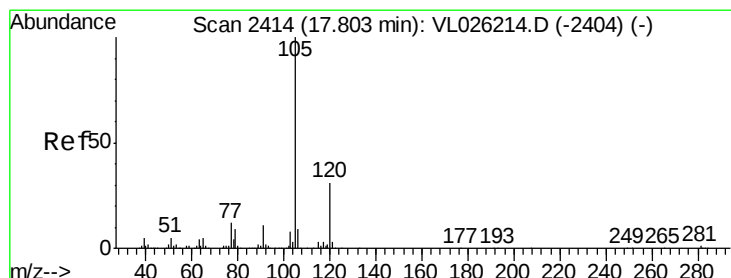
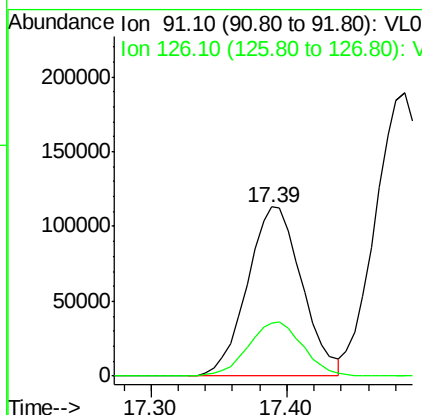
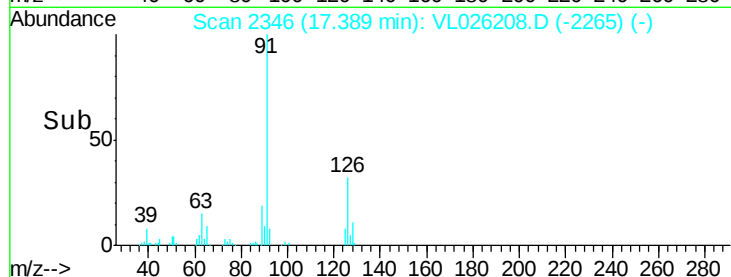
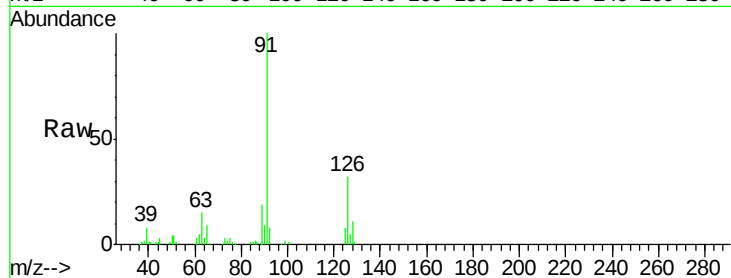
Ion Ratio Lower Upper

91 100

126 32.1 12.9 51.7

Manual Integrations
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#72

4-Ethyltoluene

Concen: 1.26 ppbv

RT: 17.79 min Scan# 2411

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion: 105 Resp: 360744

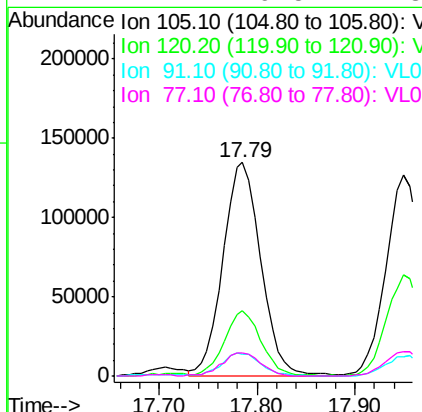
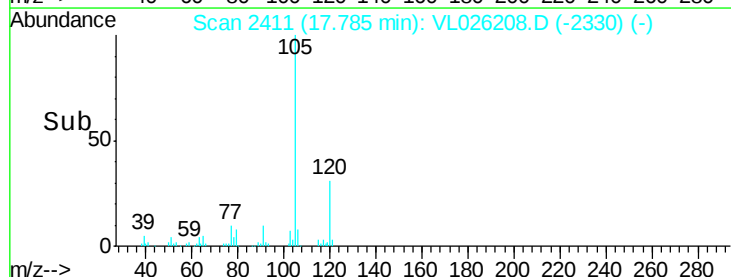
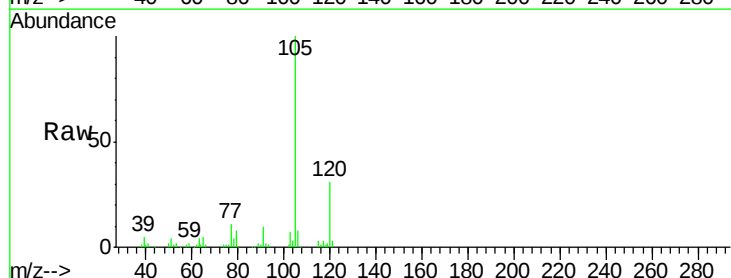
Ion Ratio Lower Upper

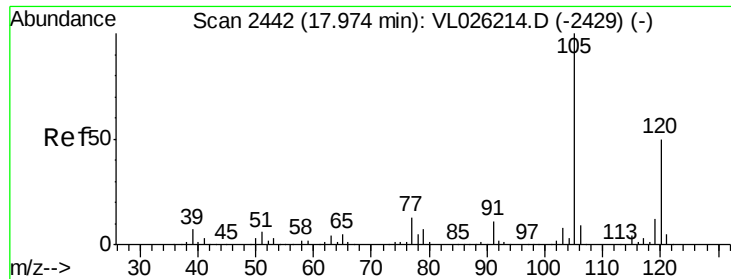
105 100

120 31.0 25.2 37.8

91 12.0 9.2 13.8

77 11.7 9.5 14.3





#73

1,3,5-Trimethylbenzene

Concen: 1.25 ppbv

RT: 17.95 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 337270

Ion Ratio Lower Upper

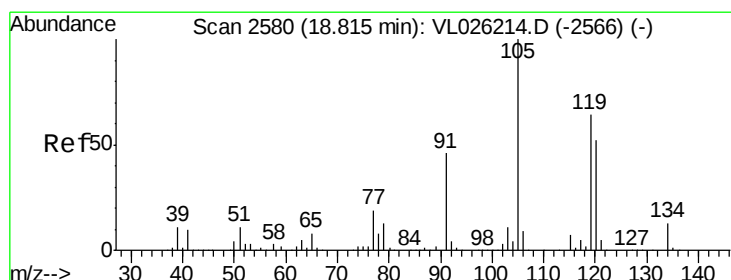
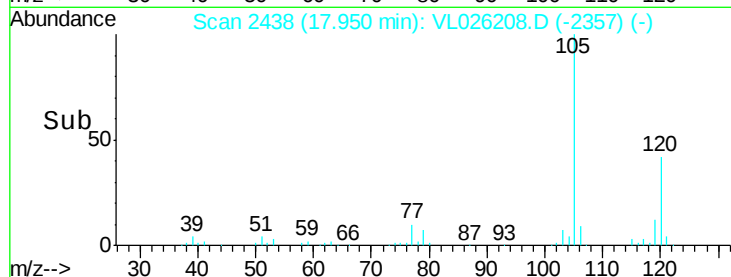
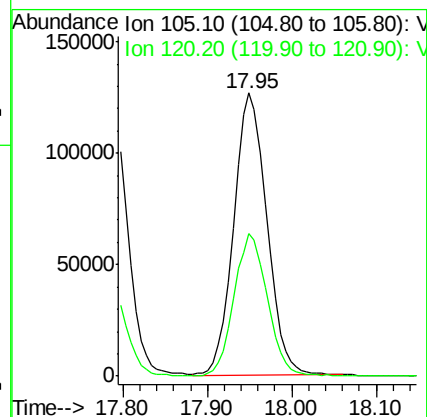
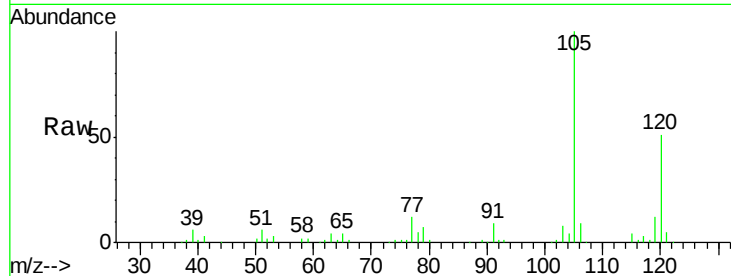
105 100

120 50.8 40.3 60.5

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 1.28 ppbv

RT: 18.79 min Scan# 2576

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion:105 Resp: 360857

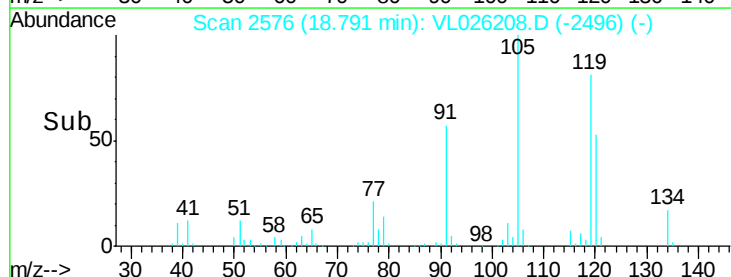
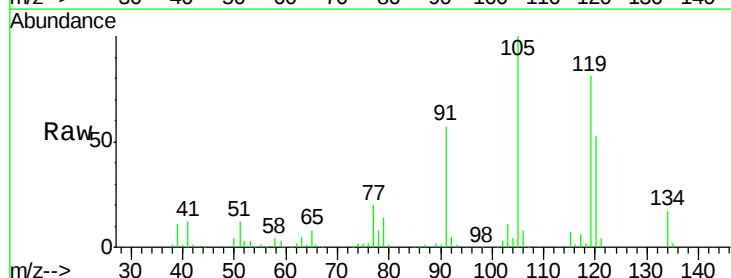
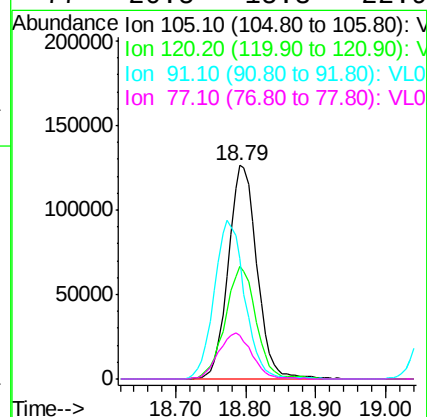
Ion Ratio Lower Upper

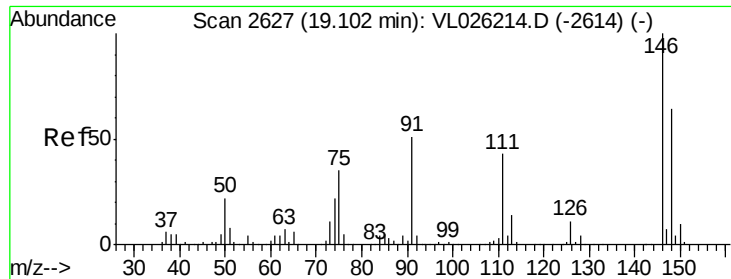
105 100

120 52.9 40.5 60.7

91 56.6 37.4 56.0#

77 20.5 15.3 22.9





#75

1,3-Dichlorobenzene

Concen: 1.29 ppbv

RT: 19.08 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Instrument :

MSVOA_L

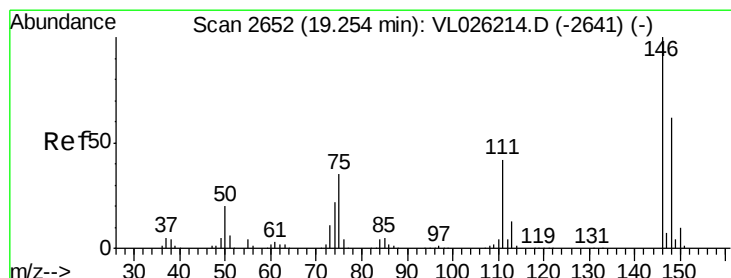
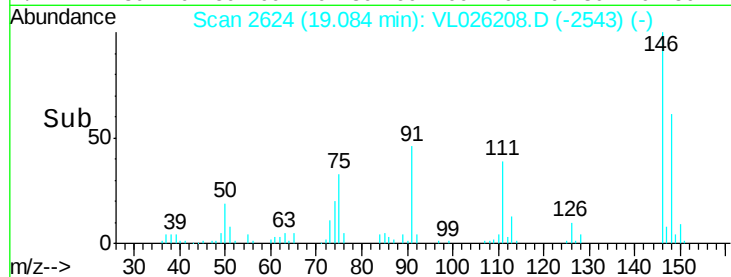
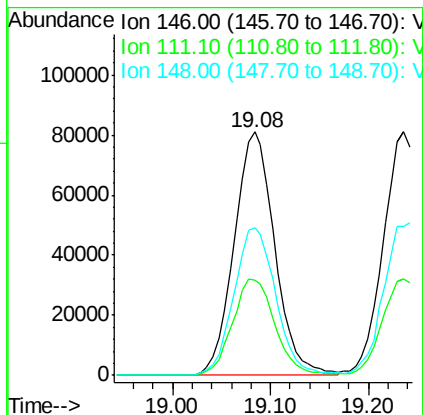
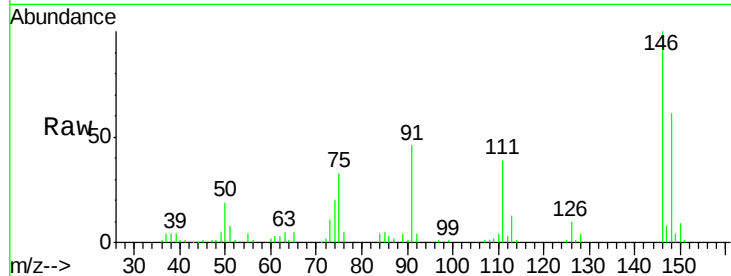
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	234074
Ion Ratio	Lower	Upper	
146	100		
111	41.4	21.6	65.0
148	62.6	31.7	95.1

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 1.28 ppbv

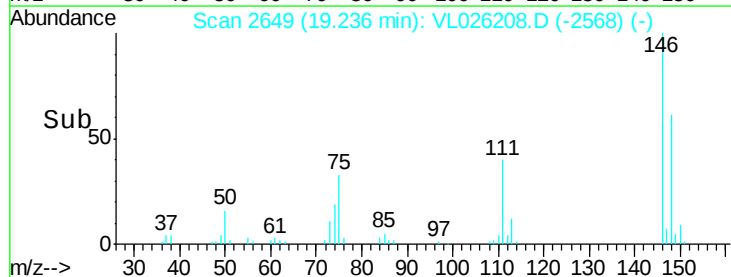
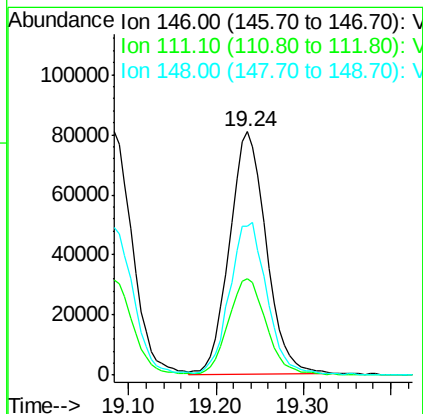
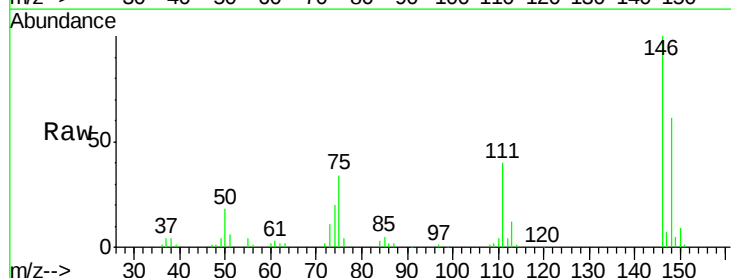
RT: 19.24 min Scan# 2649

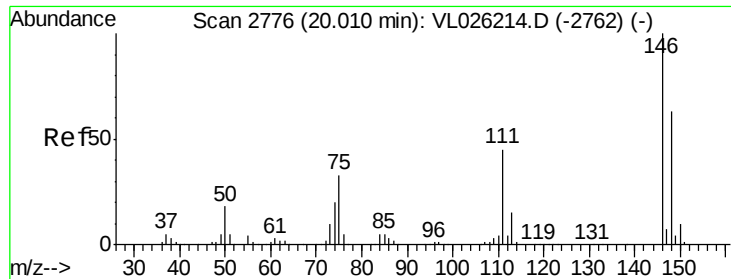
Delta R.T. -0.01 min

Lab File: VL026208.D

Acq: 20 Oct 2015 11:54

Tgt Ion:	146	Resp:	235613
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.9	62.8
148	64.5	32.0	96.2





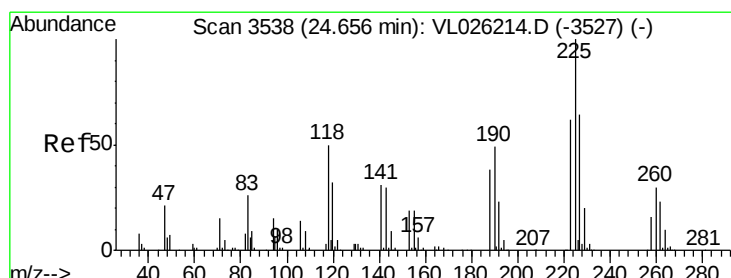
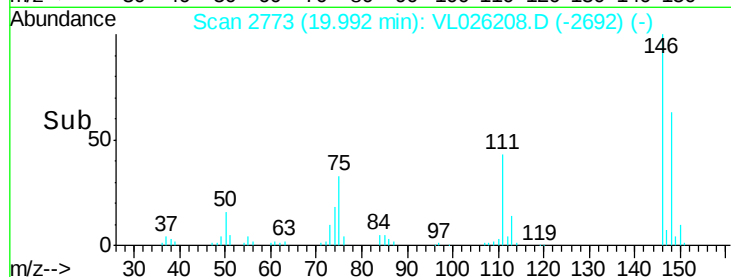
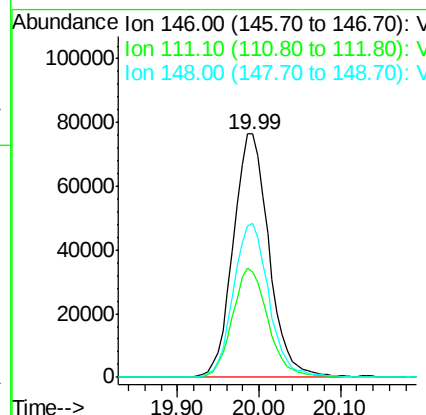
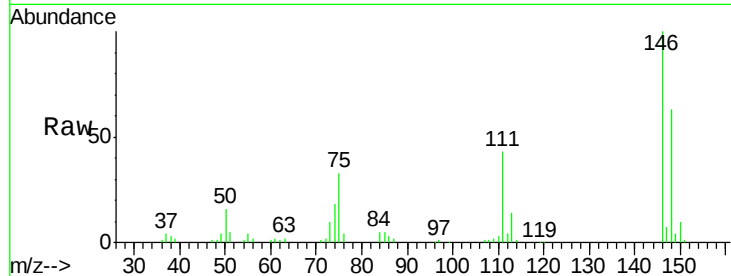
#77
 1,2-Dichlorobenzene
 Concen: 1.30 ppbv
 RT: 19.99 min Scan# 2773
 Delta R.T. -0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.6	67.8
148	63.1	32.0	96.2

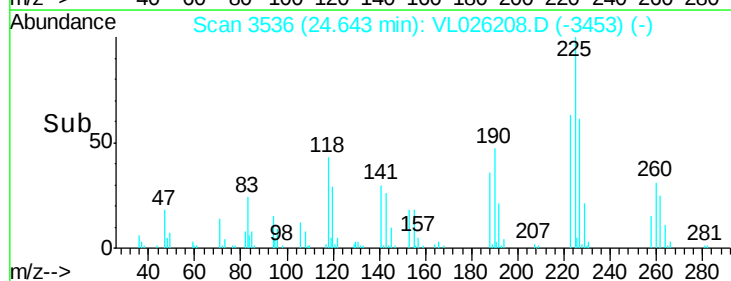
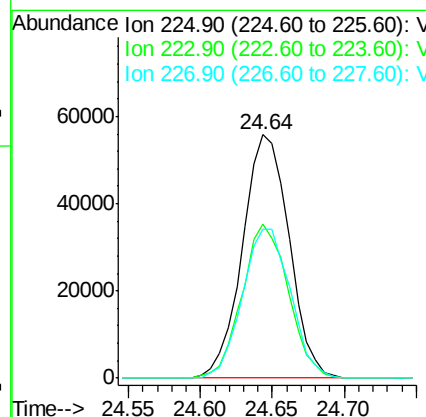
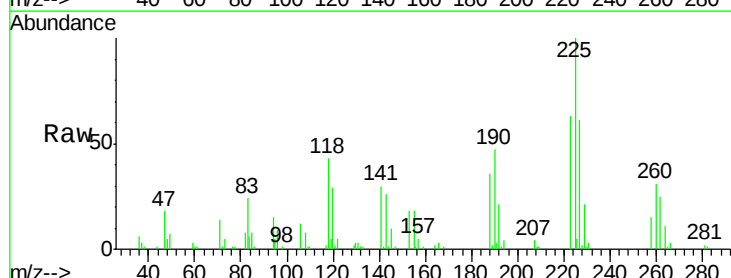
Manual Integrations
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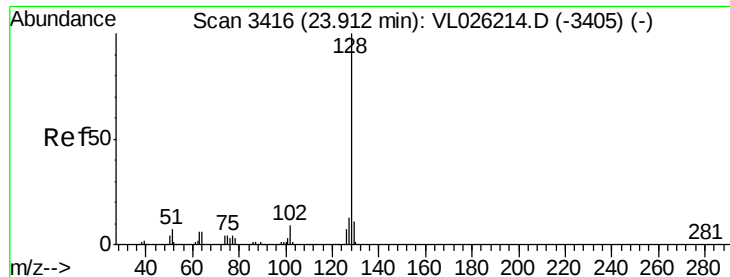
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.95 ppbv
 RT: 24.64 min Scan# 3536
 Delta R.T. 0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.7	76.1
227	63.3	50.2	75.2





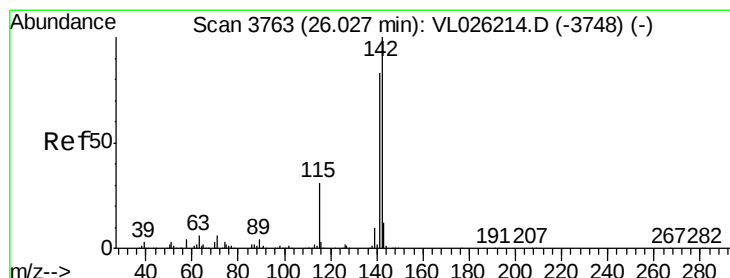
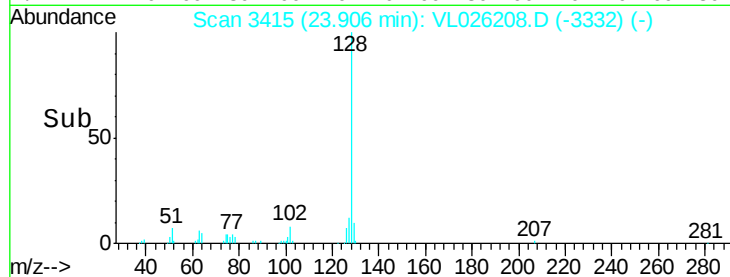
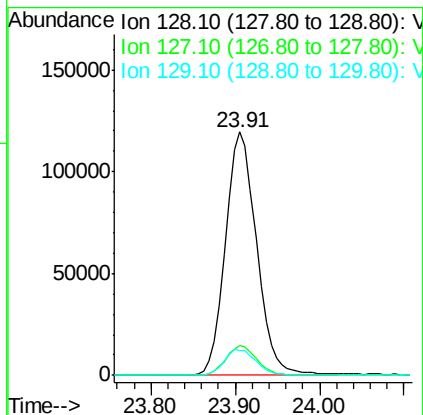
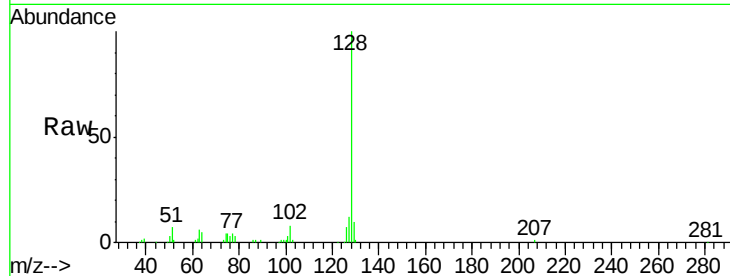
#79
Naphthalene
Concen: 1.91 ppbv
RT: 23.91 min Scan# 3415
Delta R.T. 0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	11.0	16.6
129	10.4	8.7	13.1

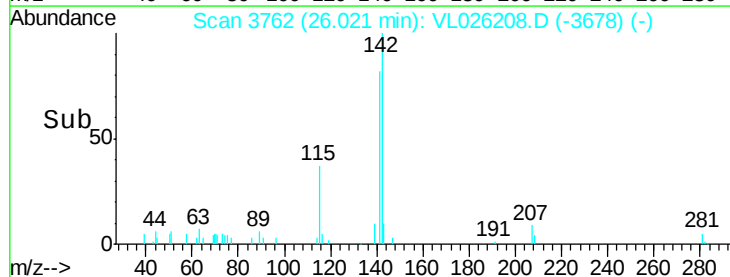
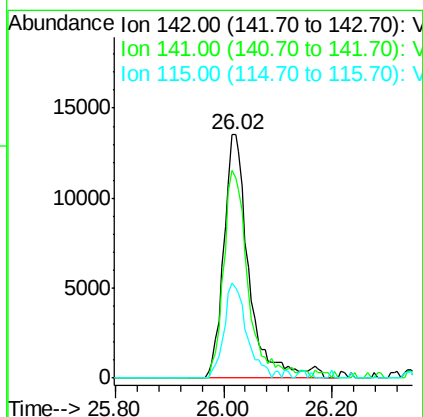
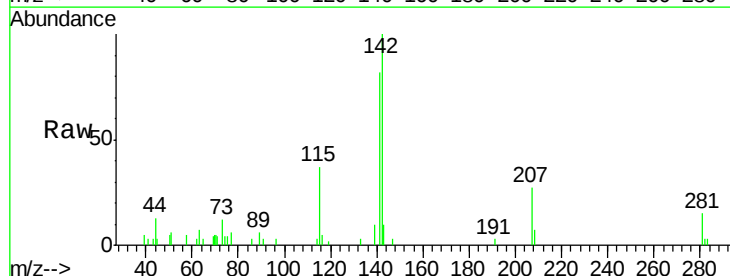
Manual Integrations
APPROVED

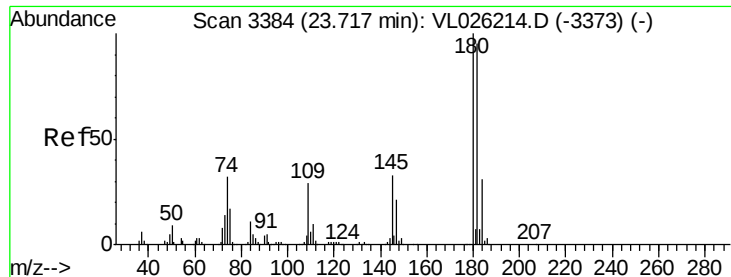
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10/22/2015 4:31:20 PM



#80
Naphthalene, 2-methyl-
Concen: 0.90 ppbv
RT: 26.02 min Scan# 3762
Delta R.T. 0.01 min
Lab File: VL026208.D
Acq: 20 Oct 2015 11:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.3	66.7	100.1
115	37.5	25.0	37.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 1.90 ppbv
 RT: 23.71 min Scan# 3383
 Delta R.T. 0.01 min
 Lab File: VL026208.D
 Acq: 20 Oct 2015 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.4	76.4	114.6
184	30.1	24.4	36.6

Manual Integrations
 APPROVED

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