

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102915\
 Data File : VL026262.D
 Acq On : 29 Oct 2015 10:41
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Mmdadoda
 10/30/2015 12:06:33 PM

Quant Time: Oct 29 14:13:18 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:13:18 2015
 QLast Update : Thu Oct 29 13:53:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	592005	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.37	114	1657811	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.79	117	1940810	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	16.33	95	1470425	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.67	85	126611	1.03	ppbv	97
3) Chlorodifluoromethane	3.59	51	80142	1.07	ppbv	99
4) Chloromethane	3.78	50	43415	1.02	ppbv	95
5) Vinyl Chloride	3.91	62	44114	0.44	ppbv	98
6) Bromomethane	4.17	94	31916	1.03	ppbv	100
7) Chloroethane	4.27	64	18486	0.99	ppbv	95
8) Dichlorotetrafluoroethane	3.83	85	114158	1.05	ppbv	97
9) Propene	3.62	41	36490	1.01	ppbv	96
10) Heptane	9.39	43	126087	1.04	ppbv	98
11) Trichlorofluoromethane	4.72	101	124666	1.03	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	5.34	101	84015	1.03	ppbv	98
13) Ethanol	4.37	45	5418m	1.10	ppbv	
14) Bromoethene	4.48	108	33556	0.98	ppbv	96
15) Acetone	4.64	43	85081	1.07	ppbv #	86
16) 1,3-Butadiene	4.00	39	39798	1.02	ppbv	98
17) tert-Butyl alcohol	5.18	59	53485	0.91	ppbv	99
18) 1,1-Dichloroethene	5.11	96	36768	1.00	ppbv	100
19) Isopropyl Alcohol	4.80	45	32218	0.97	ppbv #	46
20) Methylene Chloride	5.18	84	35410	1.03	ppbv	97
21) Allyl Chloride	5.26	41	56294	1.01	ppbv	90
22) trans-1,2-Dichloroethene	5.80	96	49621	1.02	ppbv	98
23) Vinyl Acetate	6.01	43	148013	0.97	ppbv #	96
24) 1,1-Dichloroethane	5.94	63	109247	1.05	ppbv	100
25) Ethyl Acetate	6.71	43	172229	1.04	ppbv	99
26) Hexane	6.70	57	84441	1.04	ppbv	98
27) Carbon Disulfide	5.42	76	94343	0.97	ppbv	99
28) Methyl tert-Butyl Ether	5.99	73	145061	1.02	ppbv	99
29) Chloroform	6.78	83	123541	1.03	ppbv	99
30) Cyclohexane	8.32	84	81209	1.02	ppbv #	81
31) cis-1,2-Dichloroethene	6.55	61	74952	1.01	ppbv	97
32) 1,1,1-Trichloroethane	7.63	97	121552	0.43	ppbv	100
34) 2-Butanone	6.24	43	105066	1.05	ppbv	100
35) Carbon Tetrachloride	8.20	117	120217	0.44	ppbv	98
36) Benzene	8.06	78	189116	1.08	ppbv	98
37) 1,2-Dichloroethane	7.41	62	96243	1.06	ppbv	100
38) Trichloroethene	9.10	130	80349	0.44	ppbv	99
39) 1,2-Dichloropropane	8.87	63	67926	1.07	ppbv	97
40) 1,4-Dioxane	9.21	88	7272m	0.76	ppbv	
41) Tetrahydrofuran	7.18	42	59595	1.04	ppbv	98
42) Bromodichloromethane	9.06	83	125672	1.03	ppbv	96
43) Methyl Methacrylate	9.31	69	64527	1.03	ppbv	95

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Manual Integrations
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Quant Time: Oct 29 14:13:18 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 29 14:13:18 2015
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	9.12	57	314889	1.10	ppbv	99
45) t-1,3-Dichloropropene	10.69	75	86894	0.98	ppbv	95
46) cis-1,3-Dichloropropene	10.06	75	108066	1.00	ppbv	97
47) 1,1,2-Trichloroethane	10.91	97	82247	1.06	ppbv	98
48) Dibromochloromethane	11.84	129	112923	1.01	ppbv	100
49) Bromoform	14.86	173	84225	0.95	ppbv	99
50) 4-Methyl-2-Pentanone	10.14	43	138219	1.03	ppbv	100
51) 2-Hexanone	11.67	43	123915	1.02	ppbv #	100
52) Tetrachloroethene	12.84	164	81794	0.42	ppbv	96
53) Toluene	11.28	91	241568	1.05	ppbv	99
54) 1,2-Dibromoethane	12.18	107	124058	1.05	ppbv	100
56) 1,1,1,2-Tetrachloroethane	13.83	131	93978	1.10	ppbv #	1
57) Chlorobenzene	13.86	112	217265	1.13	ppbv	97
58) Ethyl Benzene	14.46	91	353857	1.11	ppbv	98
59) m/p-Xylene	14.76	91	567934	2.25	ppbv #	100
60) o-Xylene	15.54	91	301219	1.14	ppbv	100
61) Styrene	15.35	104	114588	1.02	ppbv	99
62) Isopropylbenzene	16.59	105	395267	1.10	ppbv	99
63) 1,1,2,2-Tetrachloroethane	15.53	83	205006	0.46	ppbv	100
64) n-propylbenzene	17.57	120	107707	1.10	ppbv	91
65) tert-Butylbenzene	18.86	119	372922	1.15	ppbv	99
66) Benzyl Chloride	19.15	91	94373	0.90	ppbv	98
67) sec-Butylbenzene	19.46	105	514586	1.12	ppbv	99
69) p-Isopropyltoluene	19.83	119	420377	1.12	ppbv	99
70) n-Butylbenzene	20.80	91	397115	1.12	ppbv	99
71) 2-Chlorotoluene	17.47	91	290259	1.10	ppbv	99
72) 4-Ethyltoluene	17.86	105	324099	1.09	ppbv	99
73) 1,3,5-Trimethylbenzene	18.04	105	306102	1.09	ppbv	99
74) 1,2,4-Trimethylbenzene	18.88	105	332213	1.13	ppbv	99
75) 1,3-Dichlorobenzene	19.16	146	211719	1.11	ppbv	99
76) 1,4-Dichlorobenzene	19.32	146	210862	1.08	ppbv	99
77) 1,2-Dichlorobenzene	20.07	146	211272	1.11	ppbv	99
78) Hexachloro-1,3-Butadiene	24.71	225	90137	1.13	ppbv	98
79) Naphthalene	23.97	128	227615	1.03	ppbv	100
80) Naphthalene, 2-methyl-	26.09	142	37618	1.01	ppbv	97
81) 1,2,4-Trichlorobenzene	23.77	180	116811	1.08	ppbv	98

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

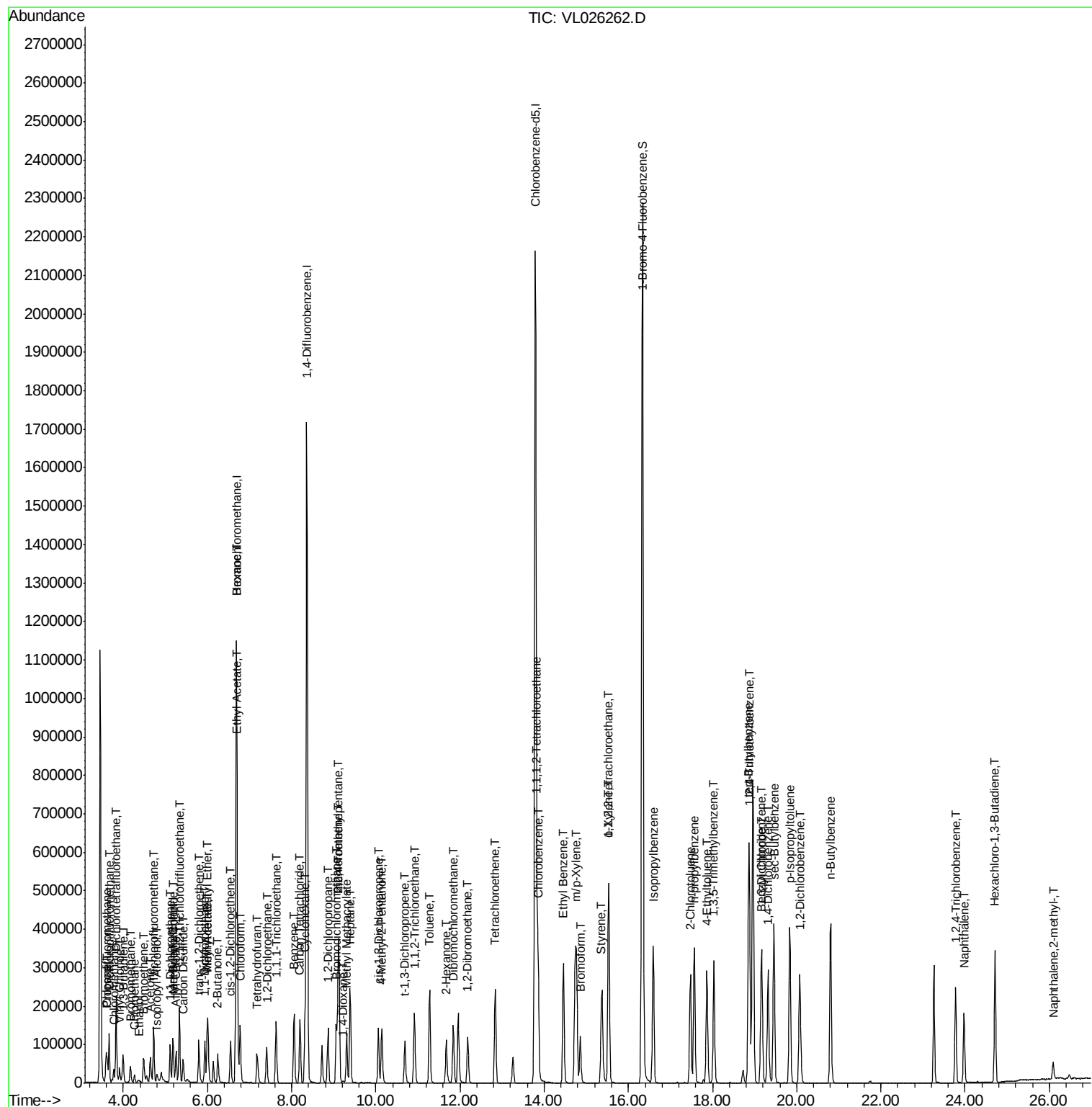
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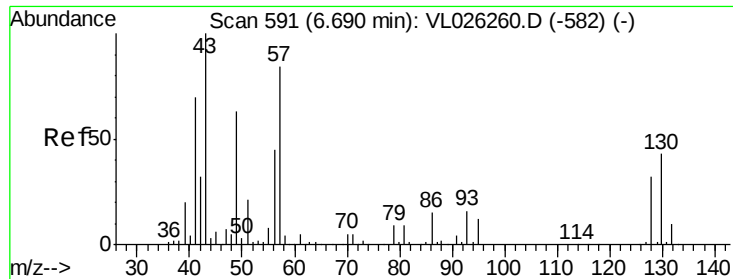
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Oct 29 14:13:18 2015
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 29 13:53:29 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 590

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 592005

Ion Ratio Lower Upper

49 100

128 54.2 26.7 80.1

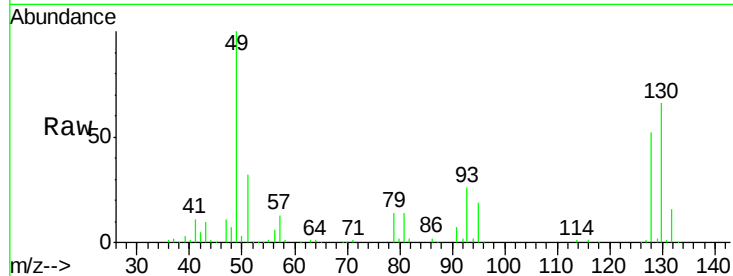
130 69.1 34.4 103.2

Manual Integrations

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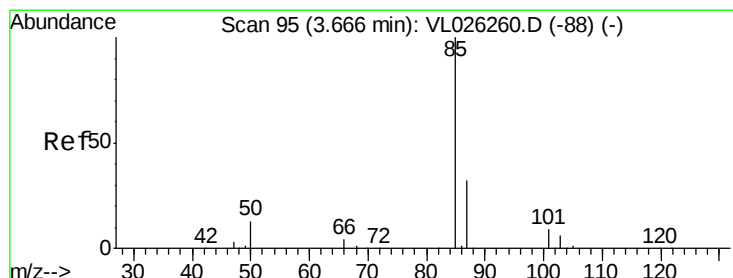
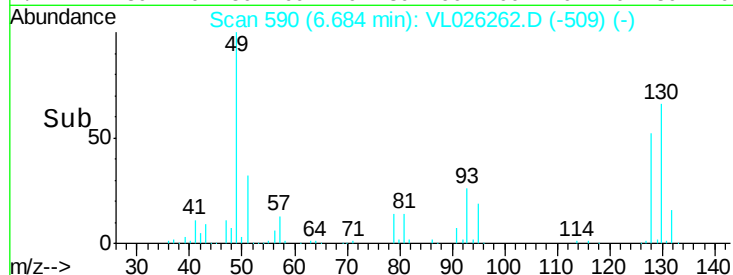
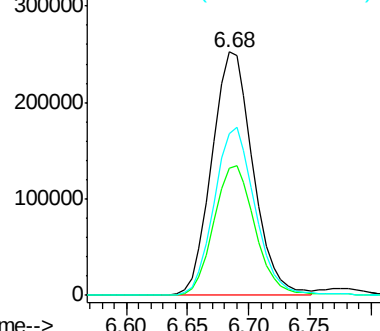
10/30/2015 12:06:33 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.03 ppbv

RT: 3.67 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL026262.D

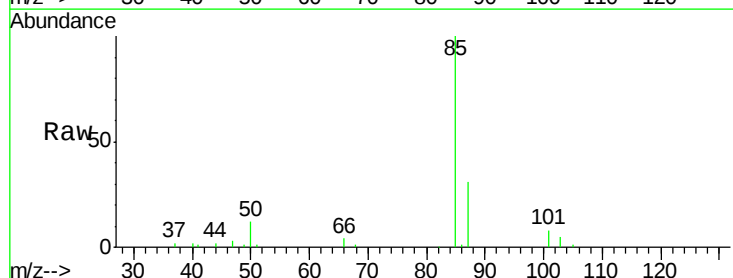
Acq: 29 Oct 2015 10:41

Tgt Ion: 85 Resp: 126611

Ion Ratio Lower Upper

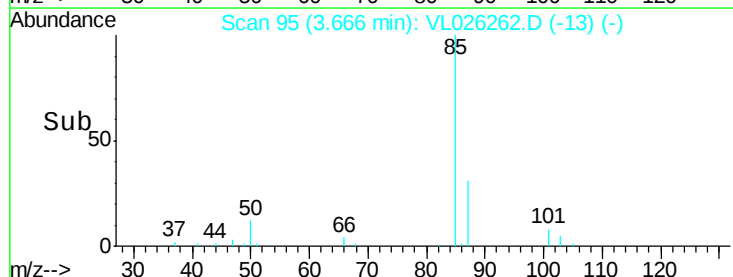
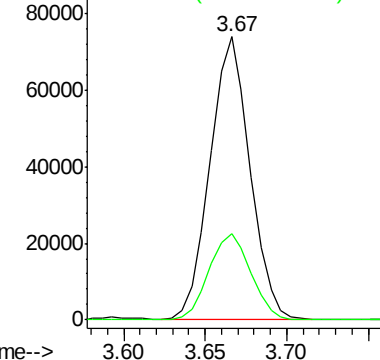
85 100

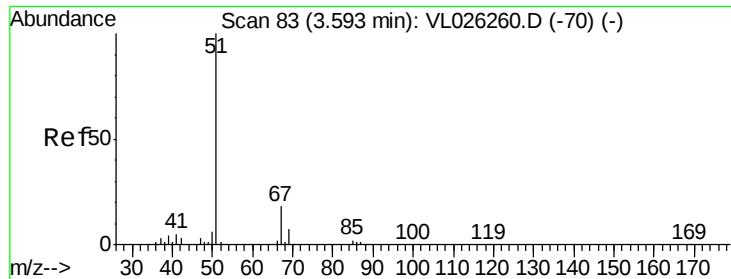
87 30.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.07 ppbv

RT: 3.59 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 80142

Ion Ratio Lower Upper

51 100

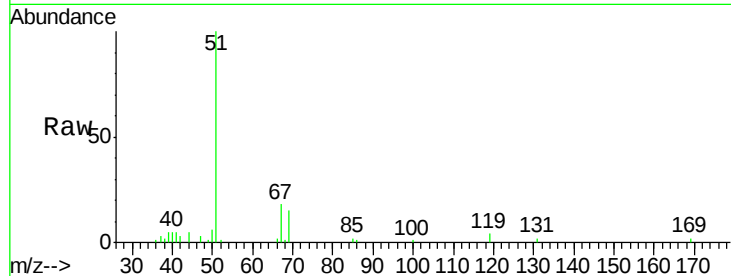
67 17.7 14.5 21.7

Manual Integrations

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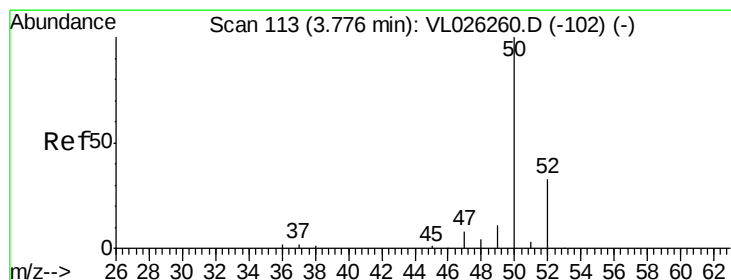
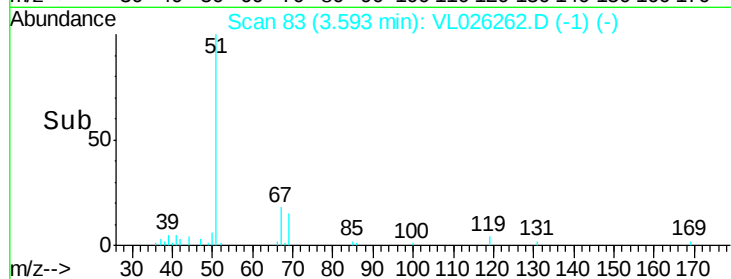
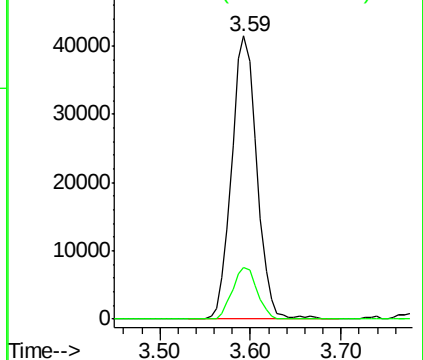
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.02 ppbv

RT: 3.78 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL026262.D

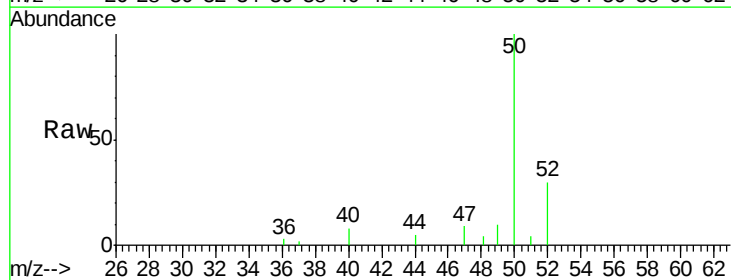
Acq: 29 Oct 2015 10:41

Tgt Ion: 50 Resp: 43415

Ion Ratio Lower Upper

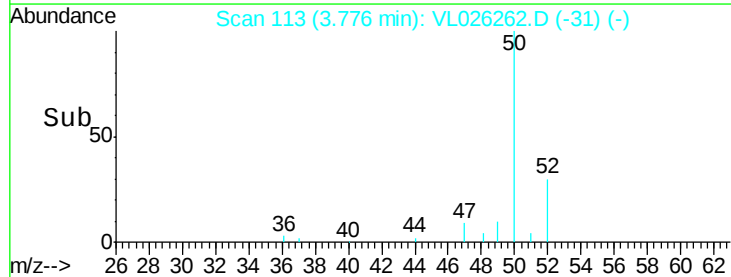
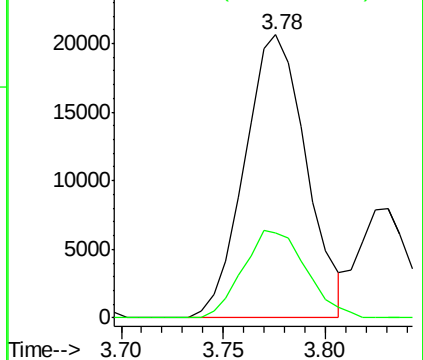
50 100

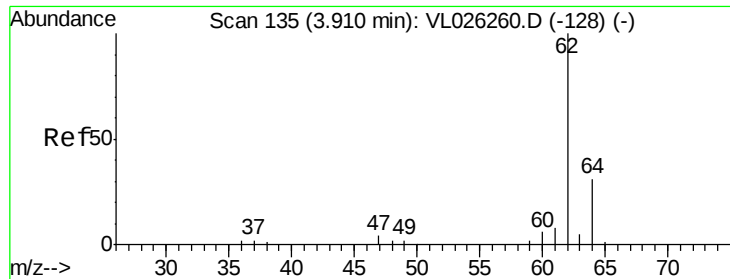
52 30.0 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.44 ppbv

RT: 3.91 min Scan# 135

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 44114

Ion Ratio Lower Upper

62 100

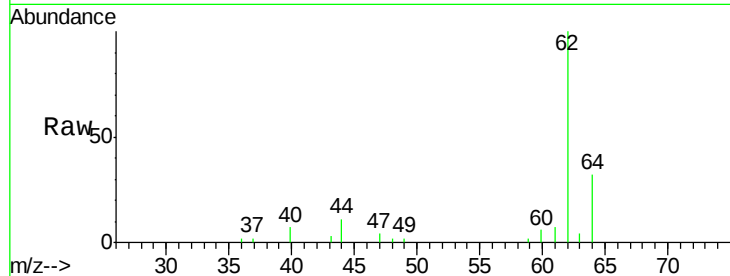
64 32.0 24.9 37.3

Manual Integrations

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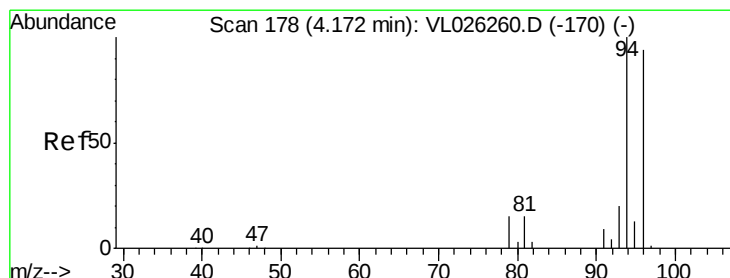
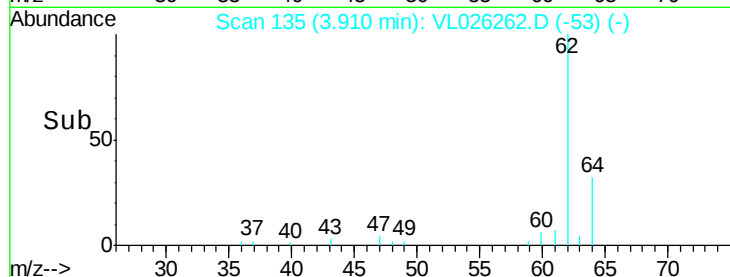
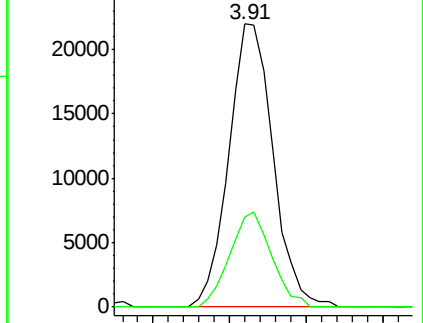
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.03 ppbv

RT: 4.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VL026262.D

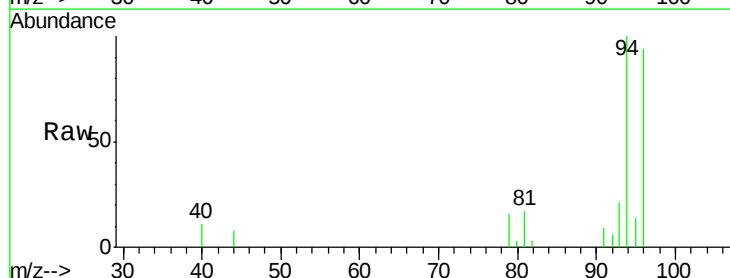
Acq: 29 Oct 2015 10:41

Tgt Ion: 94 Resp: 31916

Ion Ratio Lower Upper

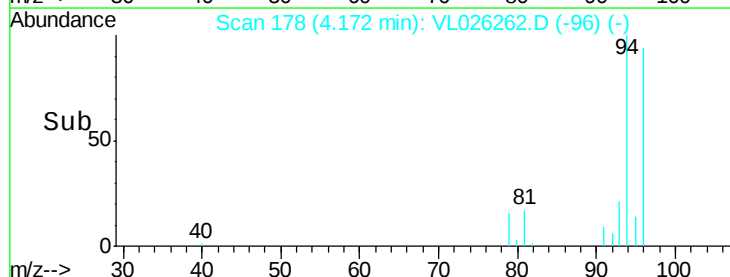
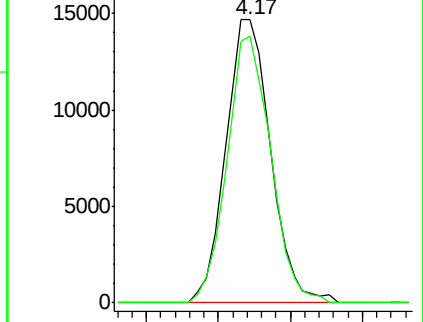
94 100

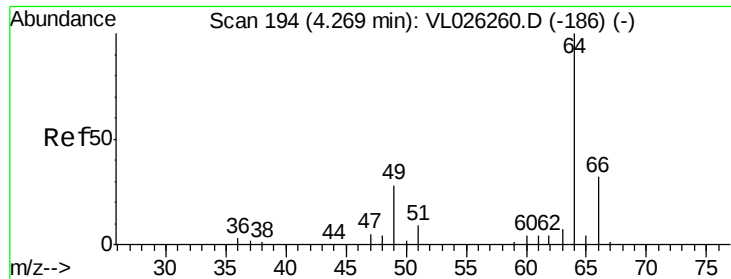
96 94.1 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.99 ppbv

RT: 4.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 18486

Ion Ratio Lower Upper

64 100

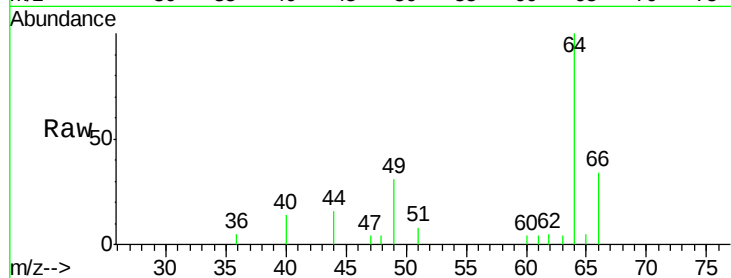
66 34.2 25.2 37.8

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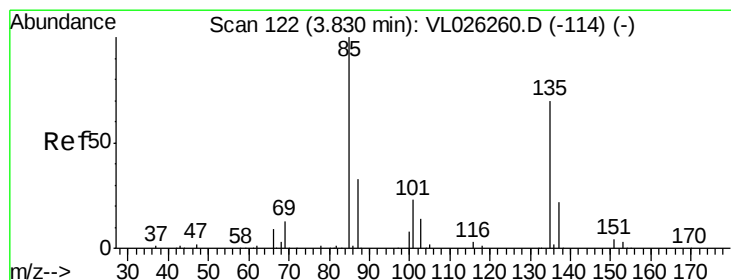
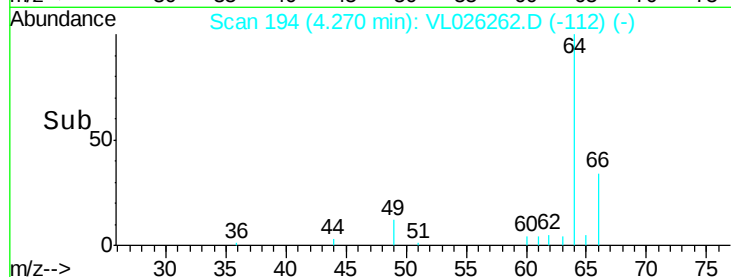
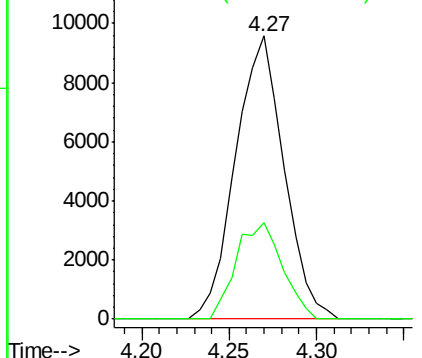
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.05 ppbv

RT: 3.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL026262.D

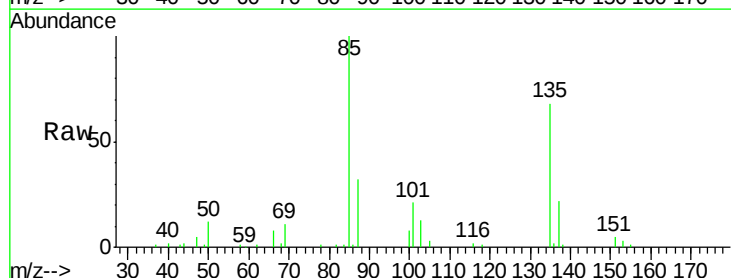
Acq: 29 Oct 2015 10:41

Tgt Ion: 85 Resp: 114158

Ion Ratio Lower Upper

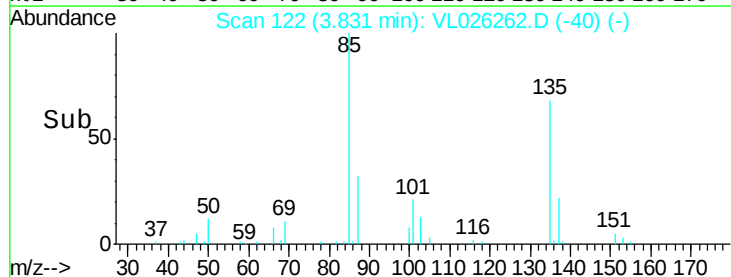
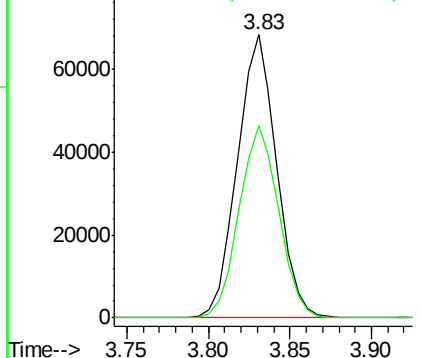
85 100

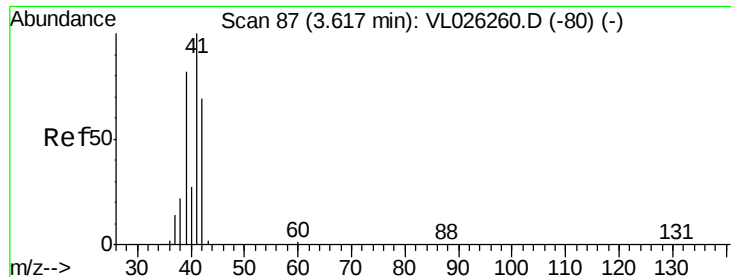
135 68.6 56.6 84.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.01 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 36490

Ion Ratio Lower Upper

41 100

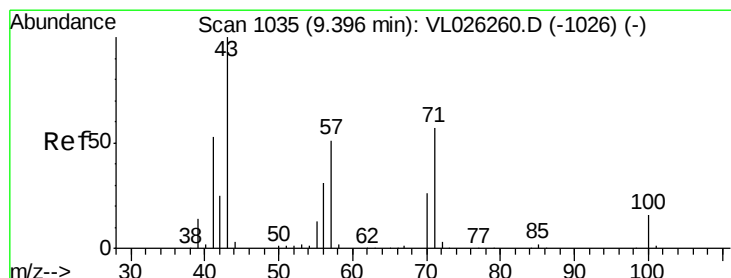
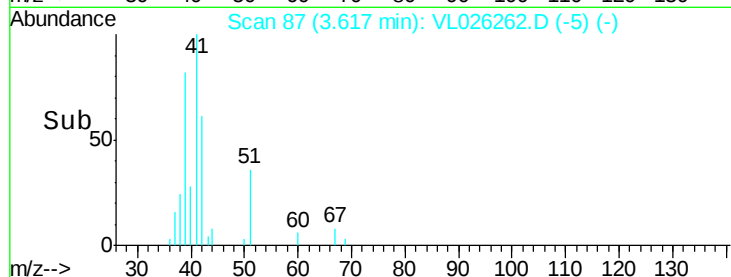
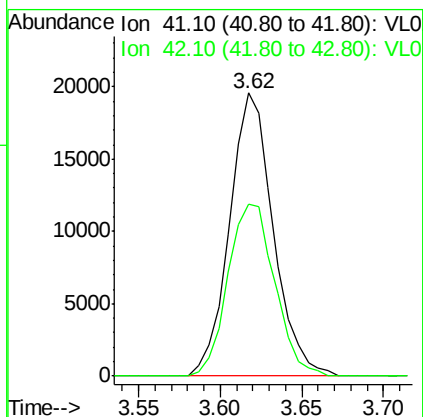
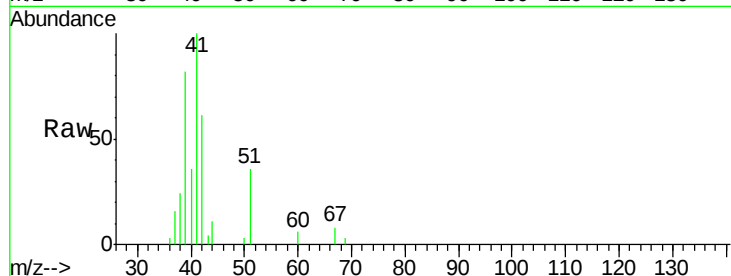
42 65.2 54.5 81.7

Manual Integrations

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#10

Heptane

Concen: 1.04 ppbv

RT: 9.39 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL026262.D

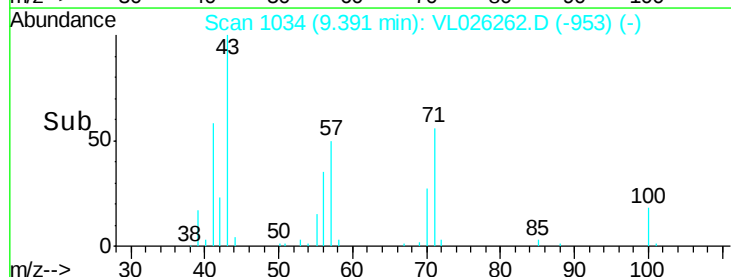
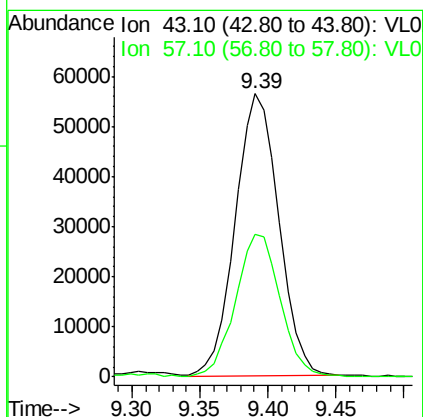
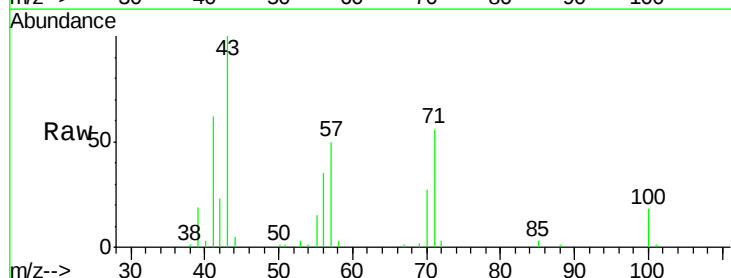
Acq: 29 Oct 2015 10:41

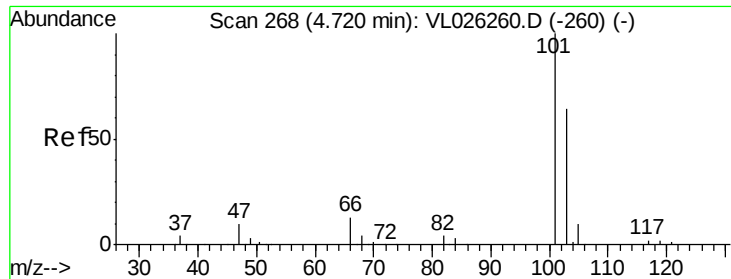
Tgt Ion: 43 Resp: 126087

Ion Ratio Lower Upper

43 100

57 52.9 41.1 61.7





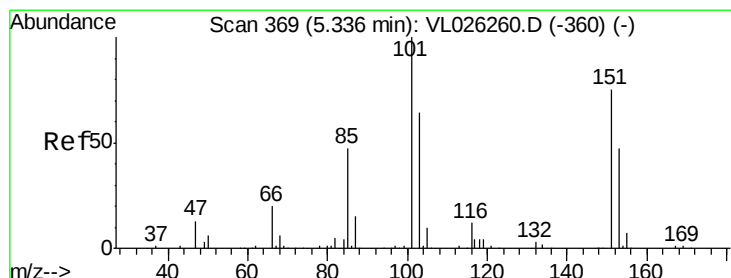
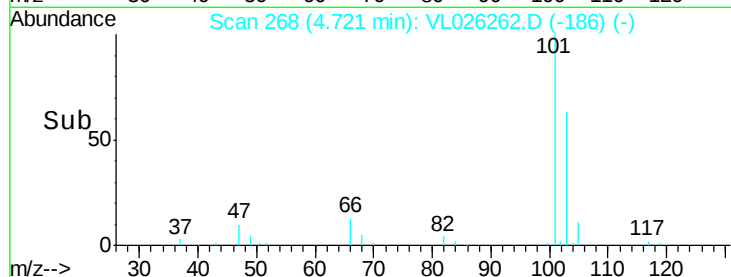
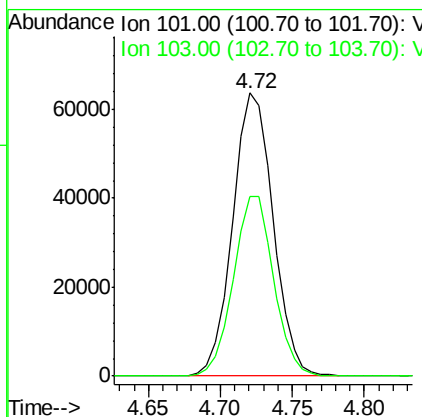
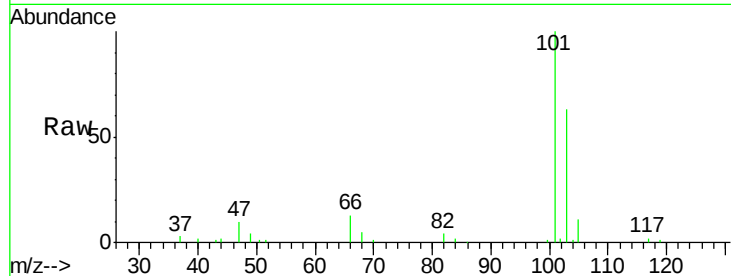
#11
 Trichlorofluoromethane
 Concen: 1.03 ppbv
 RT: 4.72 min Scan# 268
 Delta R.T. 0.00 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	51.4	77.0

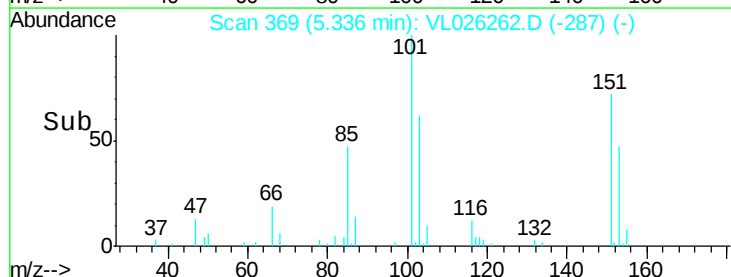
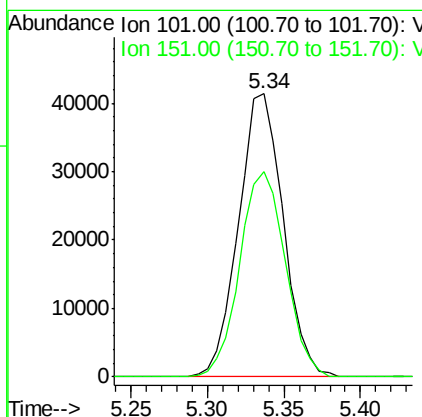
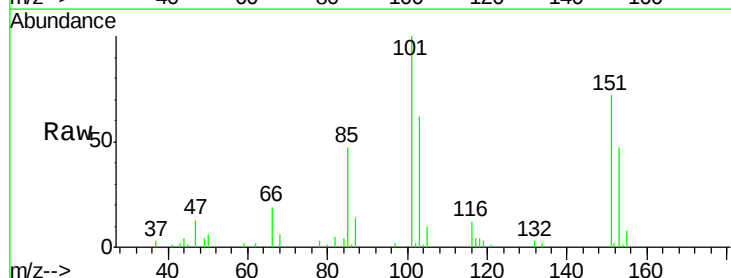
Manual Integrations
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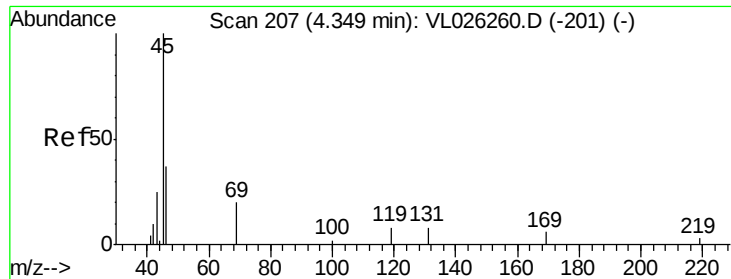
Mmdadoda
 10/30/2015 12:06:33 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.03 ppbv
 RT: 5.34 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
101	100		
151	74.1	60.3	90.5





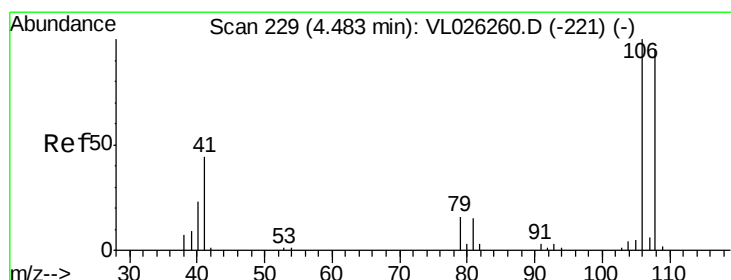
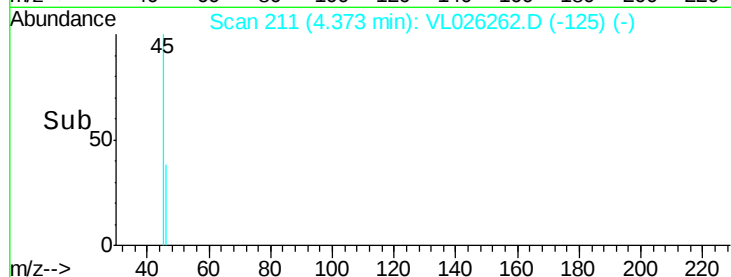
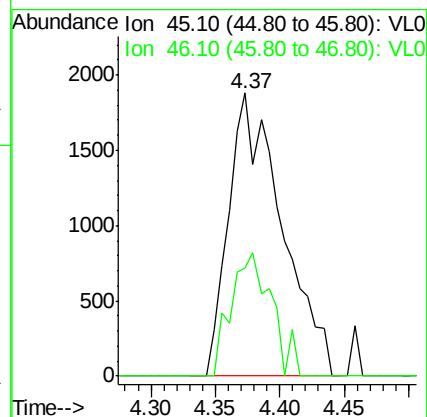
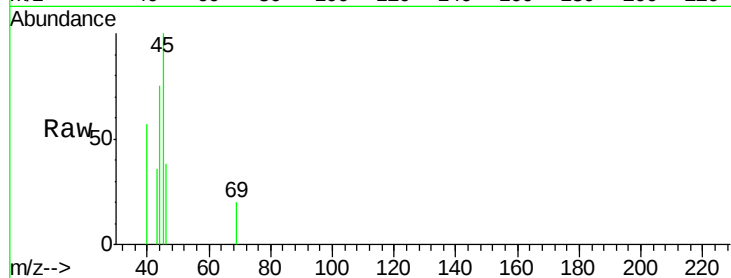
#13
Ethanol
Concen: 1.10 ppbv m
RT: 4.37 min Scan# 211
Delta R.T. 0.02 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 45 Resp: 5418
Ion Ratio Lower Upper
45 100
46 0.0 17.0 68.0#

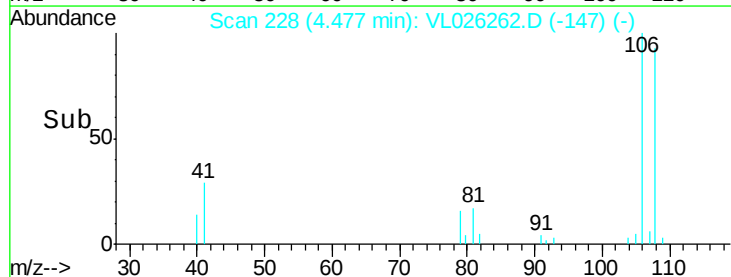
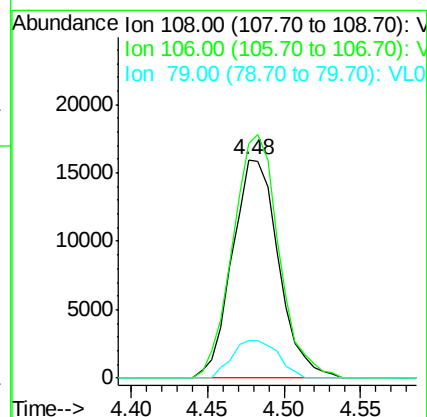
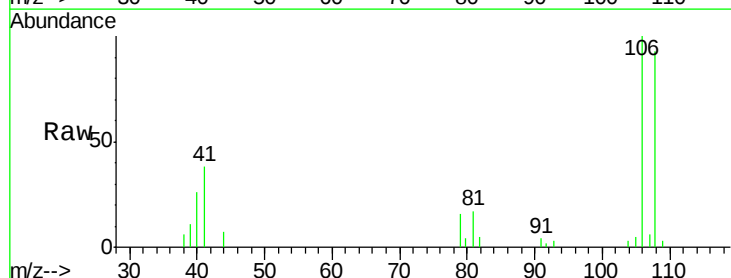
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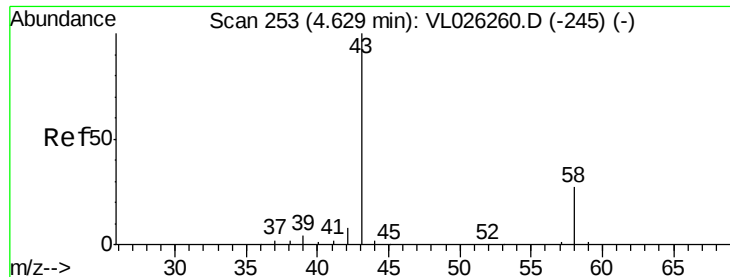
Mmdadoda
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#14
Bromoethene
Concen: 0.98 ppbv
RT: 4.48 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 108 Resp: 33556
Ion Ratio Lower Upper
108 100
106 111.3 85.4 128.0
79 17.2 13.5 20.3





#15

Acetone

Concen: 1.07 ppbv

RT: 4.64 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 85081

Ion Ratio Lower Upper

43 100

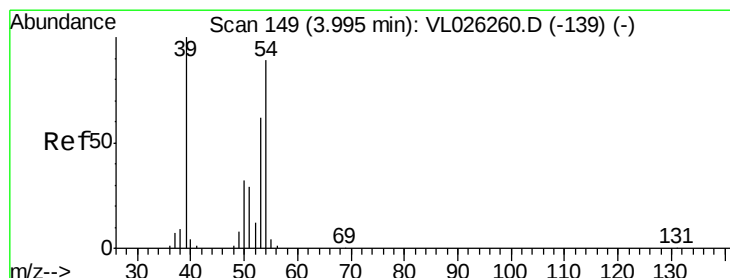
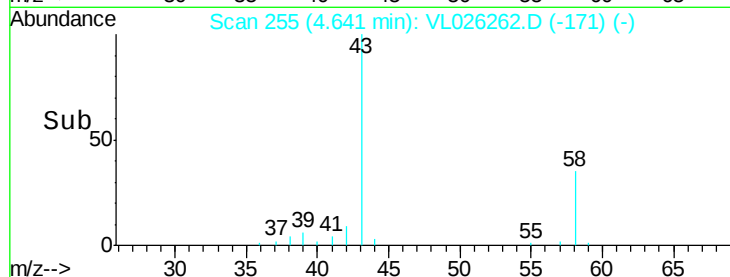
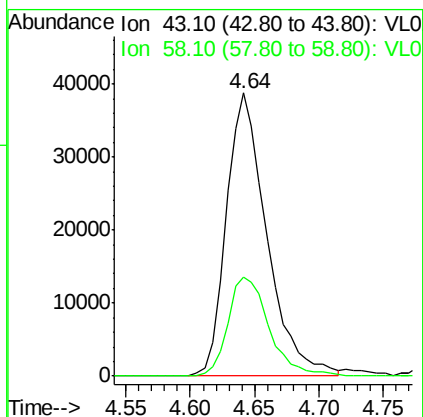
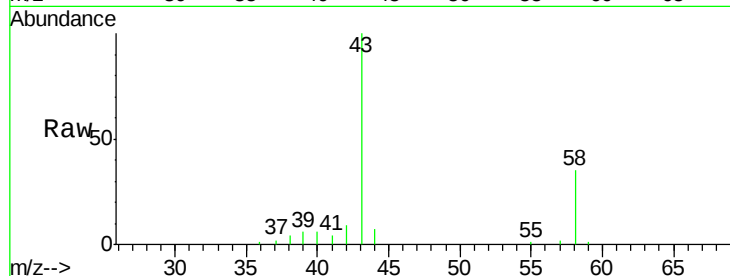
58 35.5 22.3 33.5#

Manual Integrations

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#16

1,3-Butadiene

Concen: 1.02 ppbv

RT: 4.00 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL026262.D

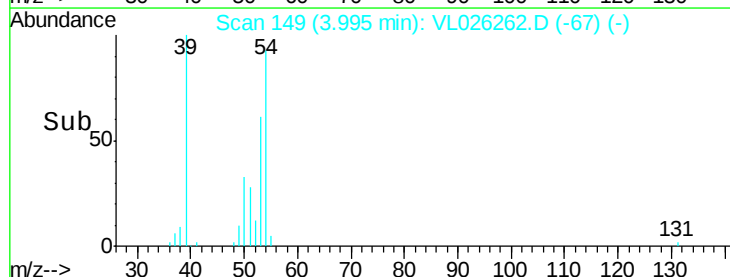
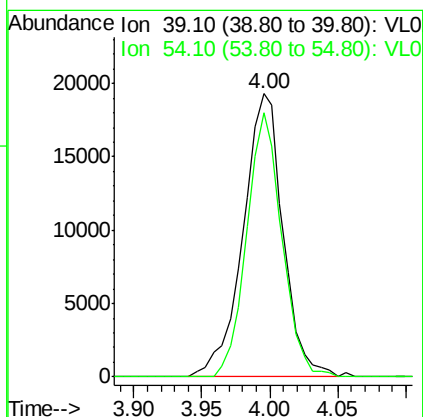
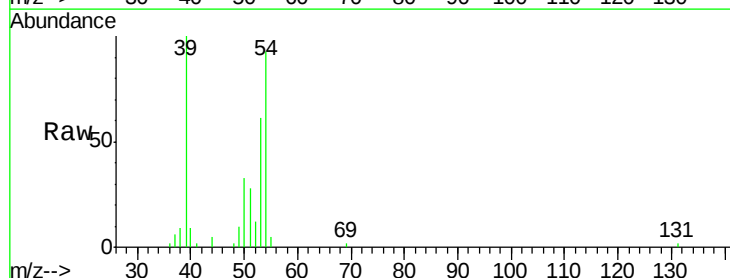
Acq: 29 Oct 2015 10:41

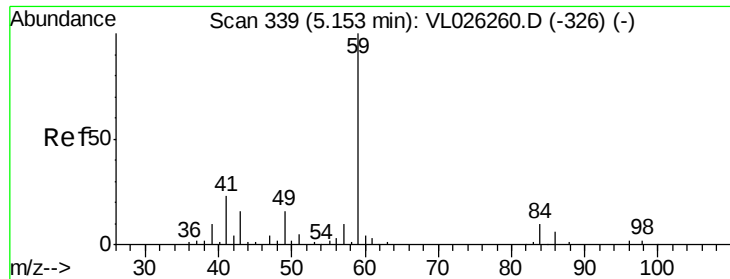
Tgt Ion: 39 Resp: 39798

Ion Ratio Lower Upper

39 100

54 81.9 67.3 100.9





#17

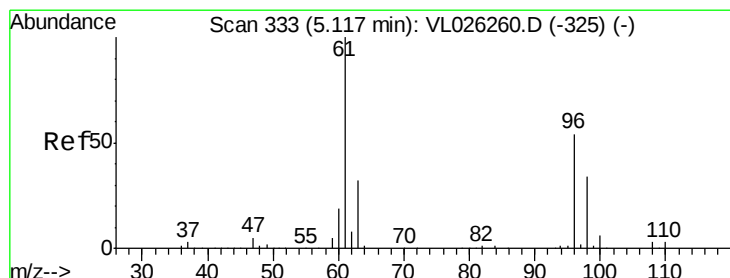
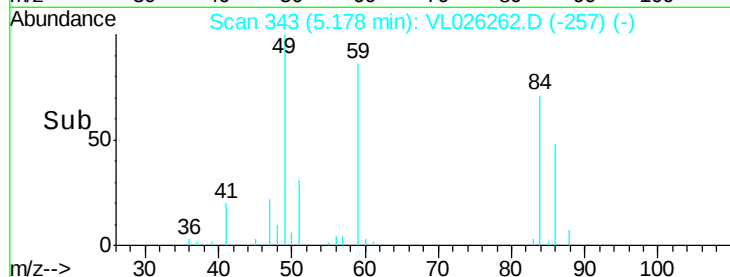
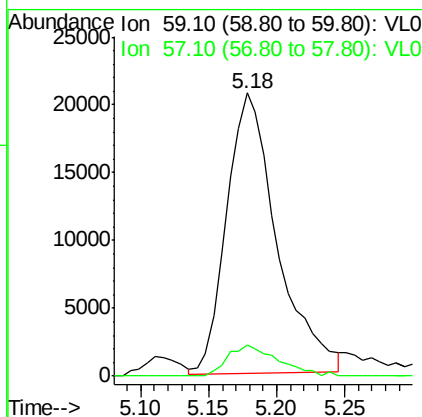
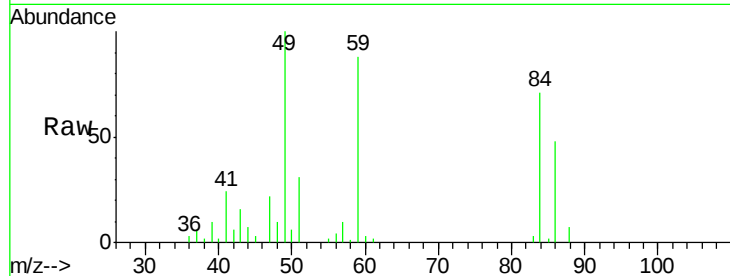
tert-Butyl alcohol
Concen: 0.91 ppbv
RT: 5.18 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 53485
Ion Ratio Lower Upper
59 100
57 11.1 8.7 13.1

Manual Integrations
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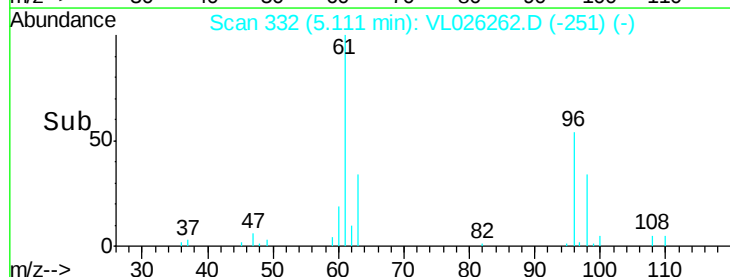
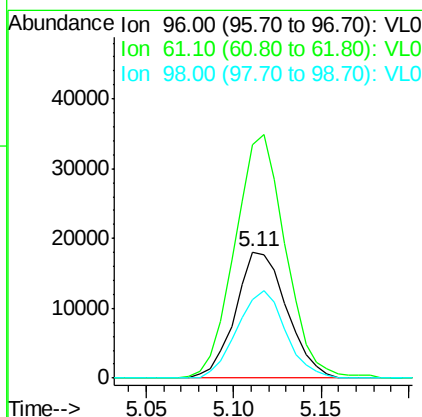
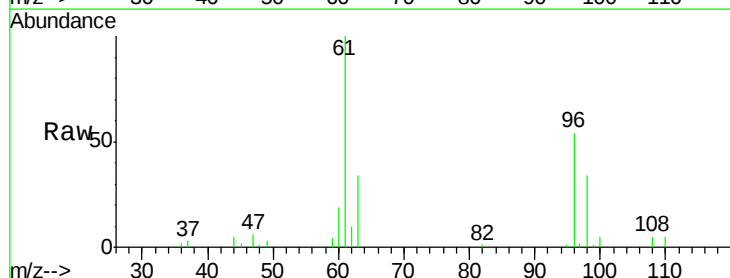
Mmdadoda
10/30/2015 12:06:33 PM

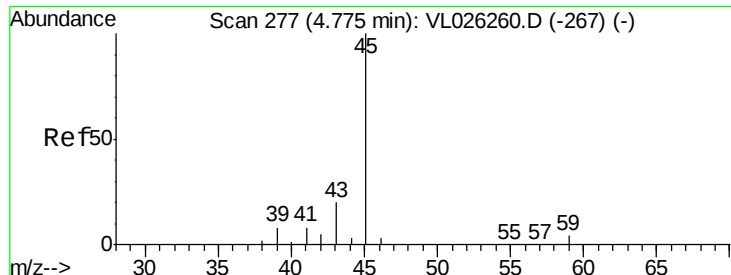


#18

1,1-Dichloroethene
Concen: 1.00 ppbv
RT: 5.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 96 Resp: 36768
Ion Ratio Lower Upper
96 100
61 183.9 147.0 220.4
98 62.3 50.1 75.1





#19

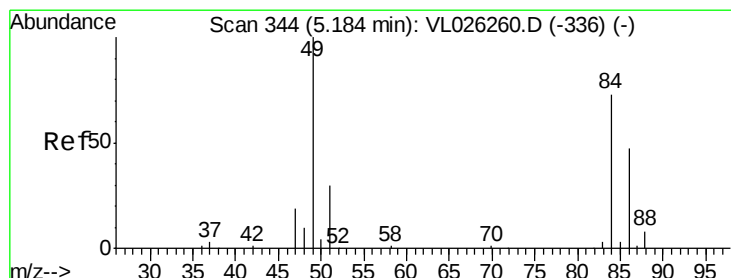
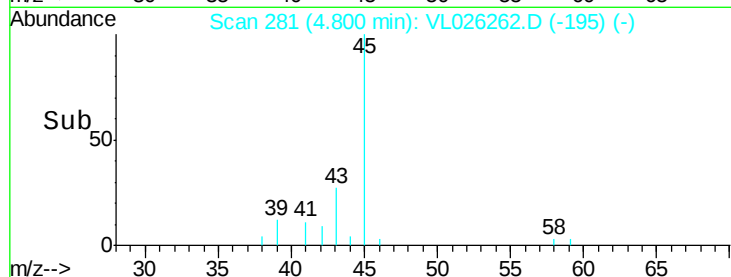
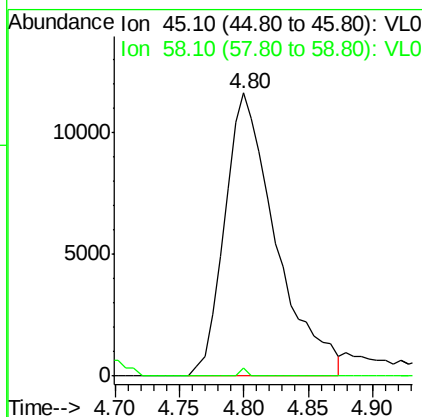
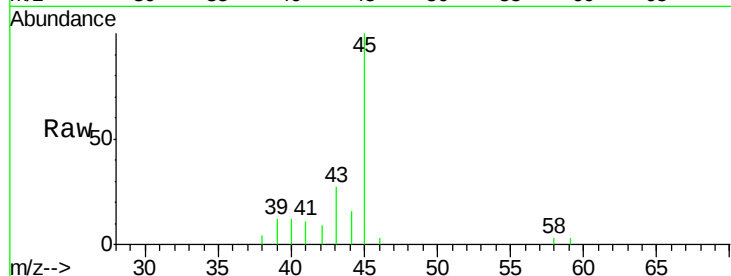
Isopropyl Alcohol
 Concen: 0.97 ppbv
 RT: 4.80 min Scan# 281
 Delta R.T. 0.02 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	45	Ratio	Lower	Upper
45	100			
58	93.7	43.8	65.8	

Manual Integrations
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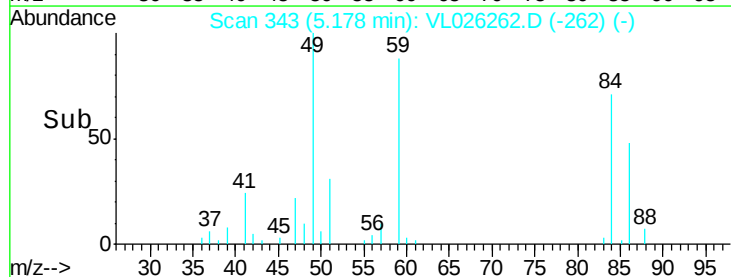
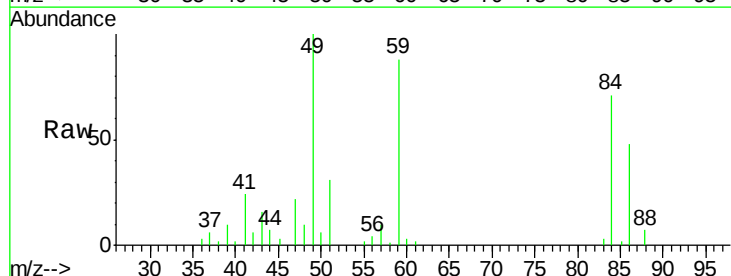
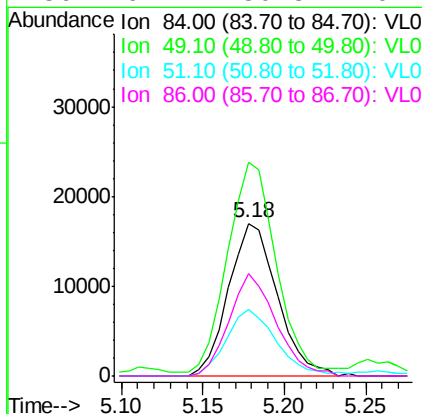
Mmdadoda
 10/30/2015 12:06:33 PM

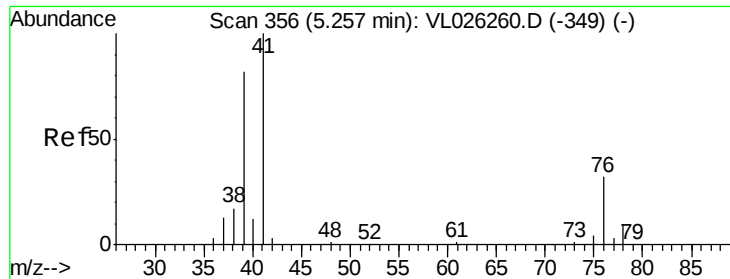


#20

Methylene Chloride
 Concen: 1.03 ppbv
 RT: 5.18 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	84	Resp	Lower	Upper
84	100			
49	137.6	109.0	163.4	
51	43.6	32.8	49.2	
86	67.2	50.8	76.2	





#21

Allvl Chloride

Concen: 1.01 ppbv

RT: 5.26 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

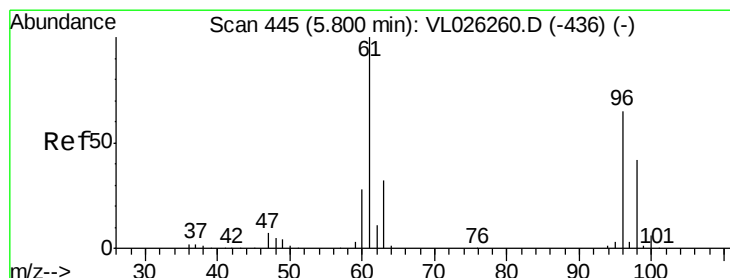
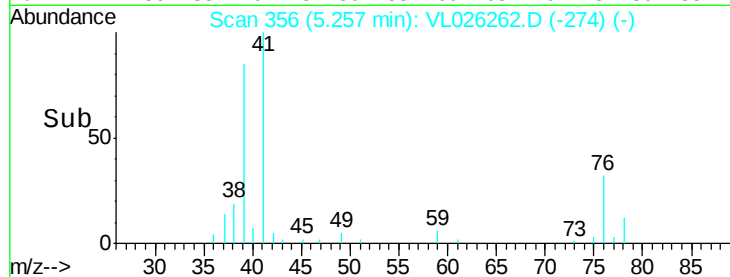
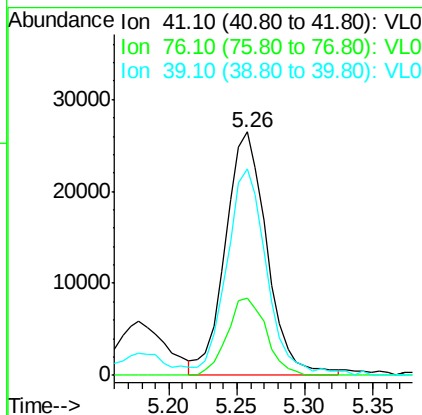
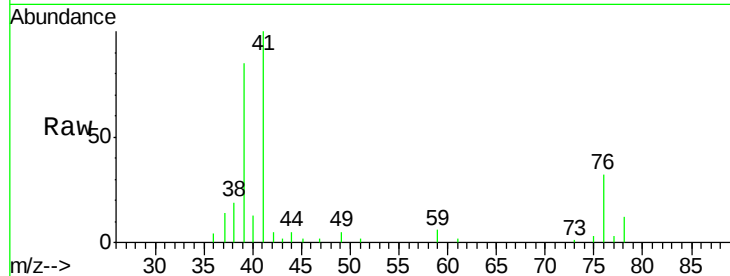
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	56294
Ion Ratio	Lower	Upper	
41	100		
76	29.7	25.9	38.9
39	93.3	65.8	98.6

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 1.02 ppbv

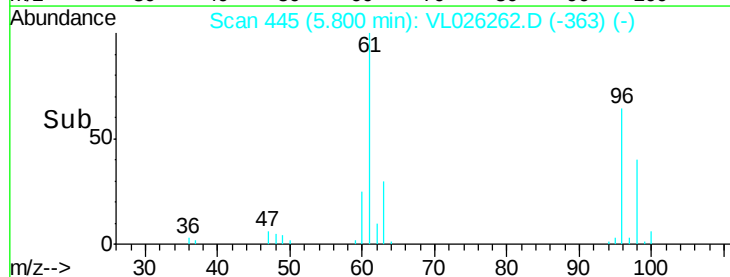
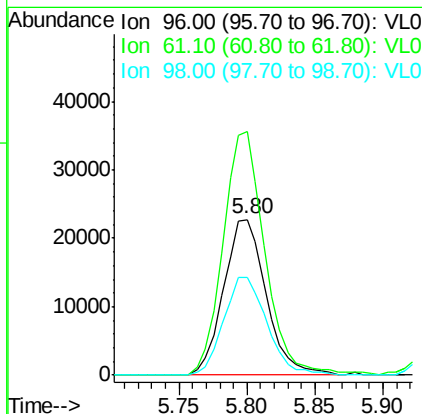
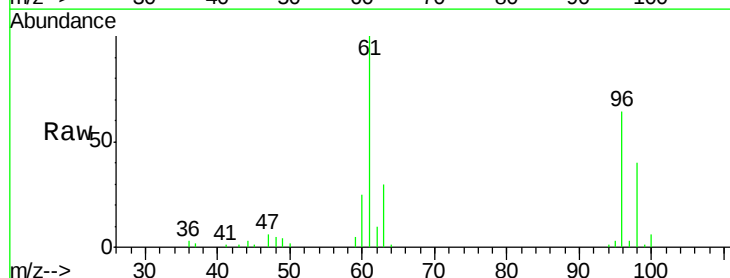
RT: 5.80 min Scan# 445

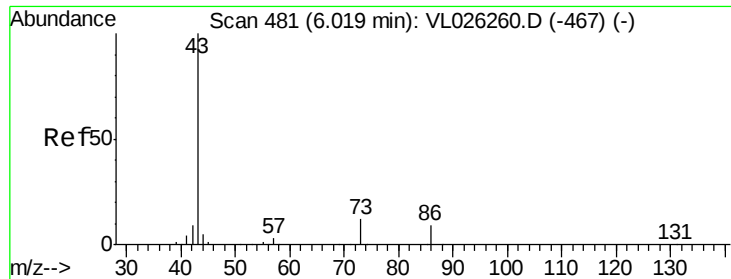
Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	96	Resp:	49621
Ion Ratio	Lower	Upper	
96	100		
61	156.2	123.2	184.8
98	62.4	51.4	77.0





#23

Vinyl Acetate

Concen: 0.97 ppbv

RT: 6.01 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

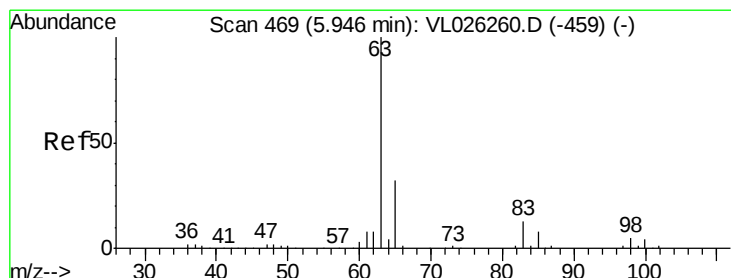
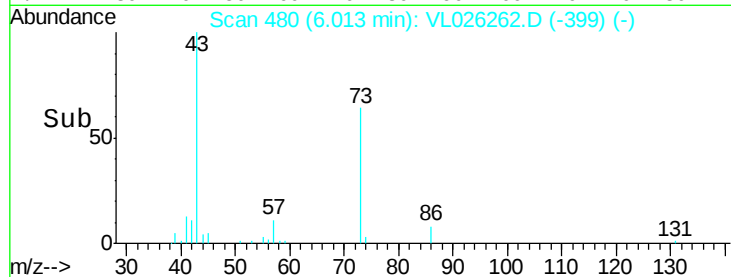
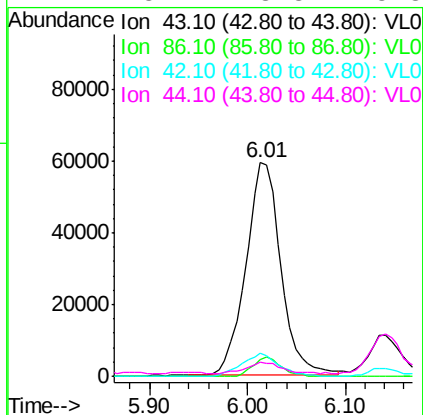
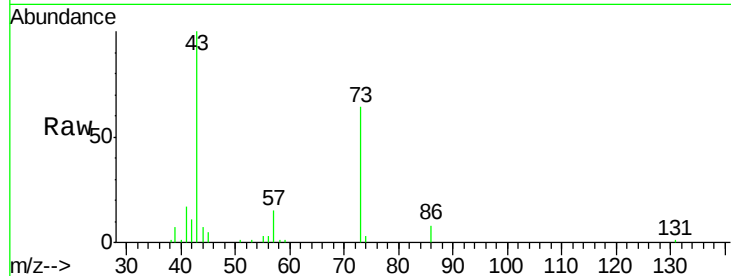
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	148013
Ion Ratio	Lower	Upper	
43	100		
86	7.7	7.3	10.9
42	10.9	7.2	10.8#
44	5.4	3.8	5.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 1.05 ppbv

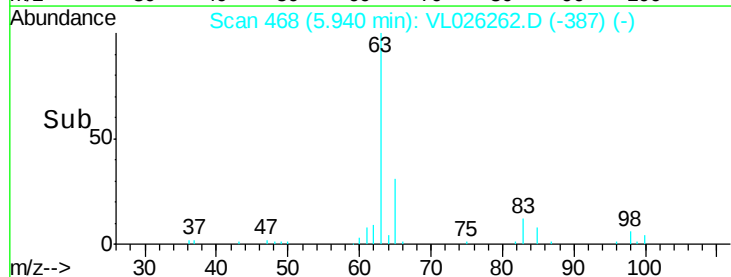
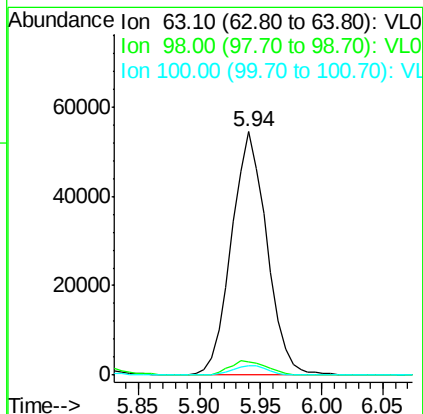
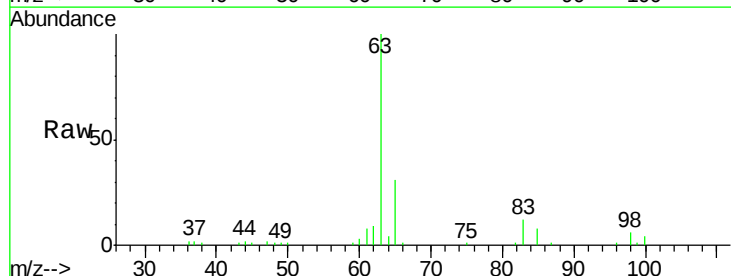
RT: 5.94 min Scan# 468

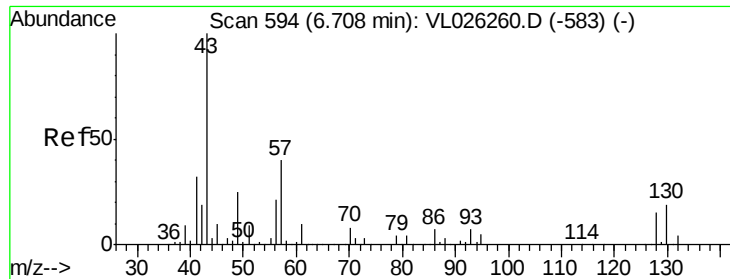
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	63	Resp:	109247
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.7	8.1
100	3.7	1.9	5.7





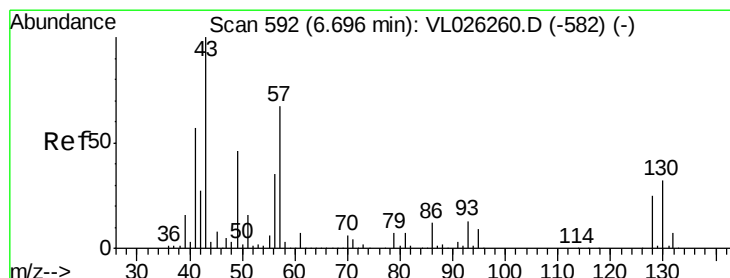
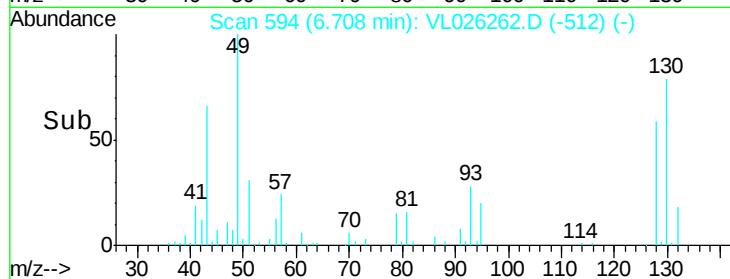
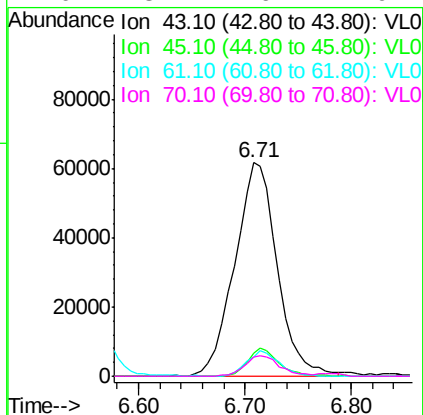
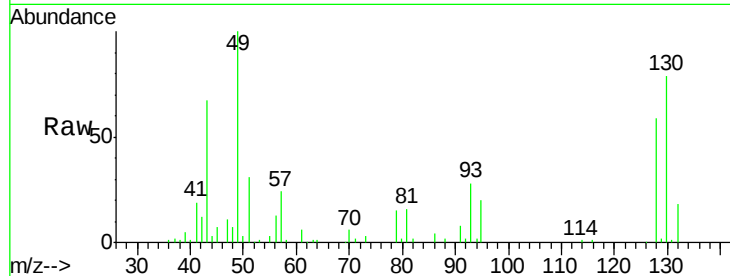
#25
Ethyl Acetate
Concen: 1.04 ppbv
RT: 6.71 min Scan# 594
Delta R.T. 0.00 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	172229
Ion Ratio	Lower	Upper	
43	100		
45	9.7	7.6	11.4
61	9.1	7.4	11.2
70	8.7	6.7	10.1

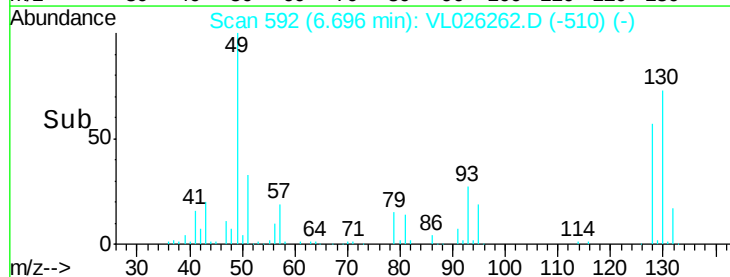
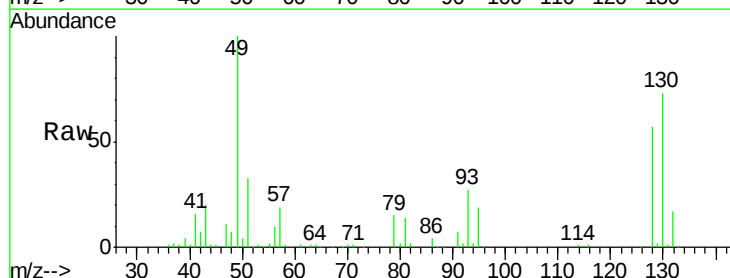
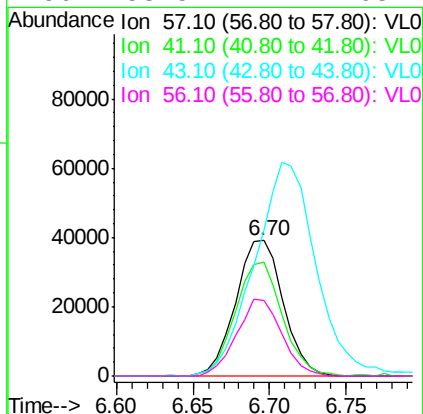
Manual Integrations
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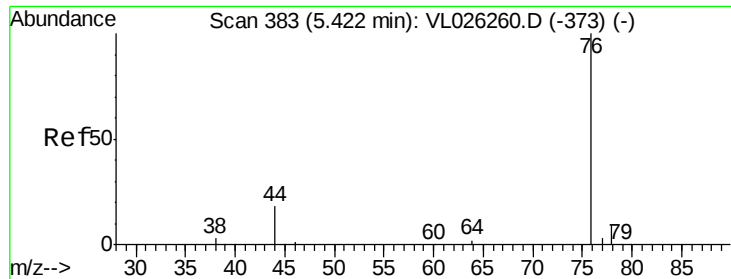
Mmdadoda
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#26
Hexane
Concen: 1.04 ppbv
RT: 6.70 min Scan# 592
Delta R.T. 0.00 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion	57	Resp	84441
Ion Ratio	Lower	Upper	
57	100		
41	83.7	67.4	101.2
43	208.8	163.9	245.9
56	53.5	42.2	63.2





#27

Carbon Disulfide

Concen: 0.97 ppbv

RT: 5.42 min Scan# 383

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

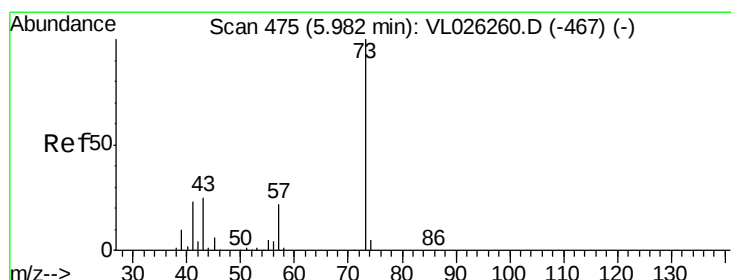
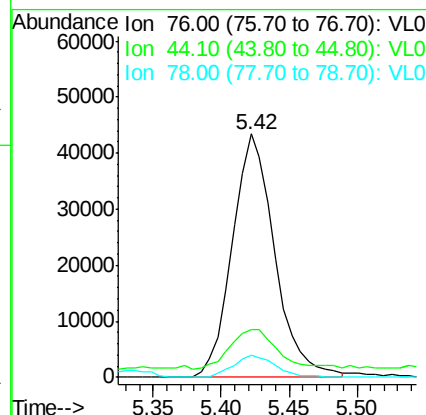
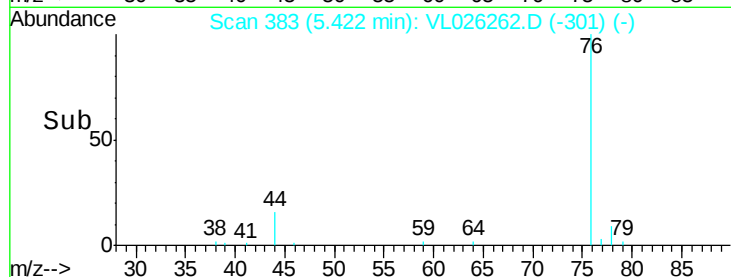
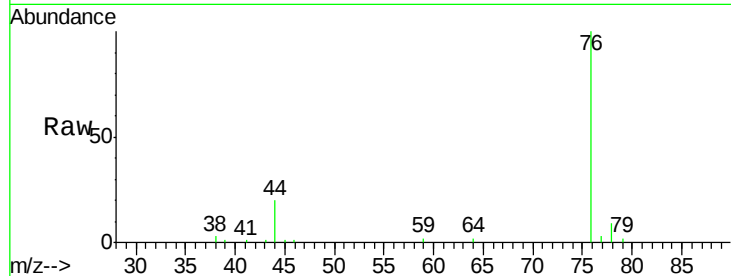
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	94343
Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.1	21.1
78	9.2	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 1.02 ppbv

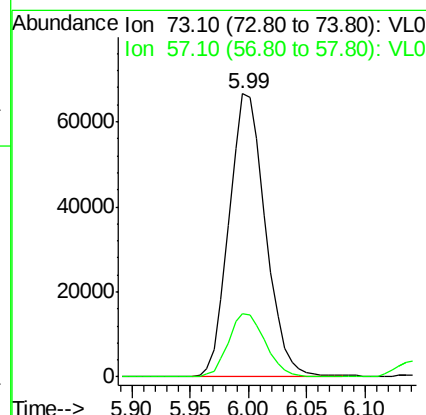
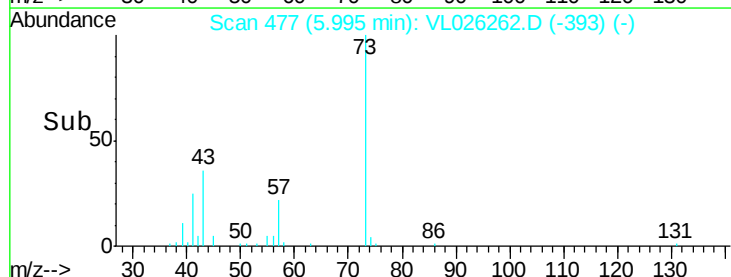
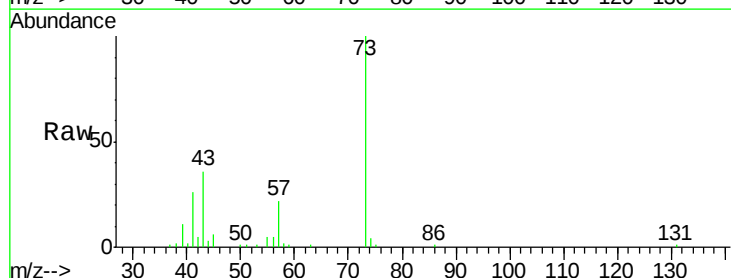
RT: 5.99 min Scan# 477

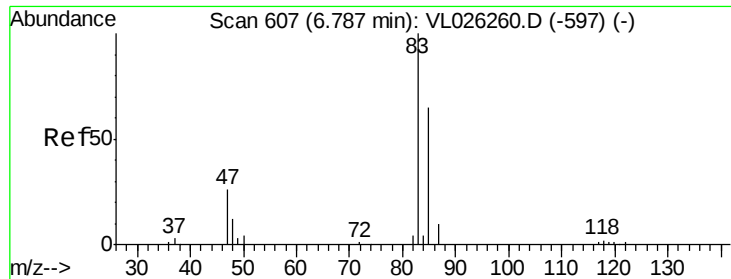
Delta R.T. 0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	73	Resp:	145061
Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.8	26.6





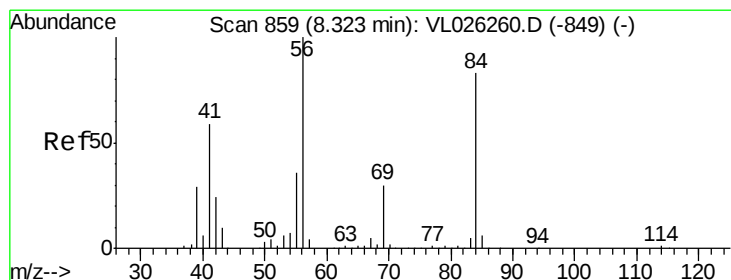
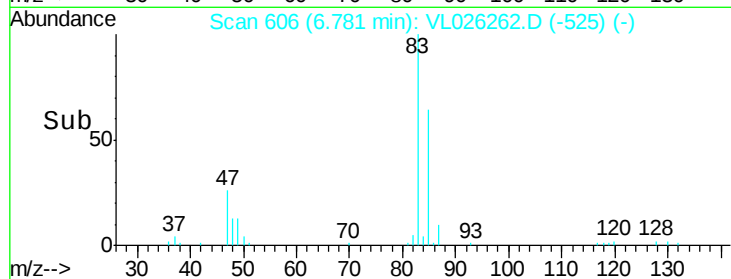
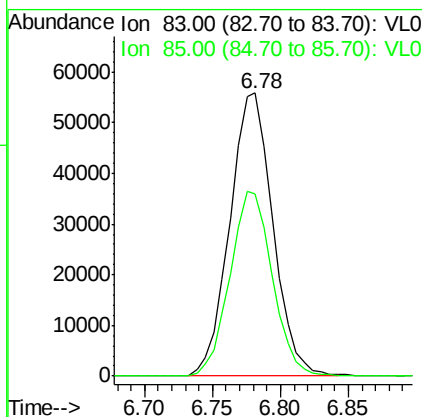
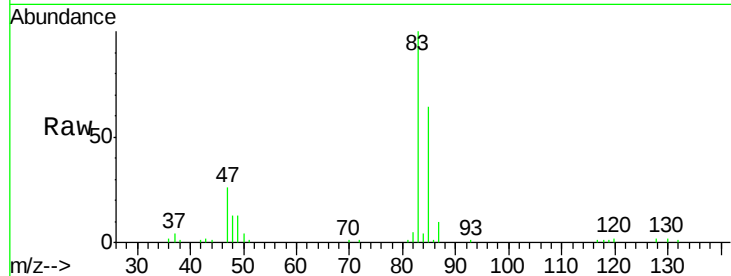
#29
Chloroform
Concen: 1.03 ppbv
RT: 6.78 min Scan# 606
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	123541
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.0	78.0

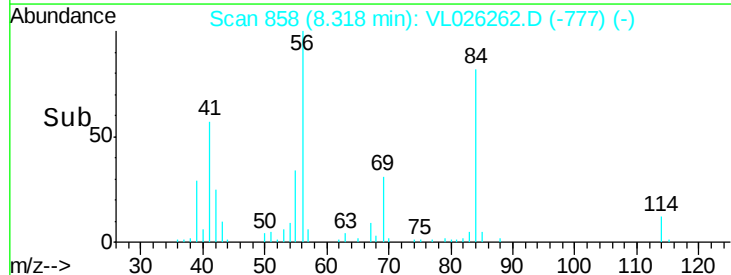
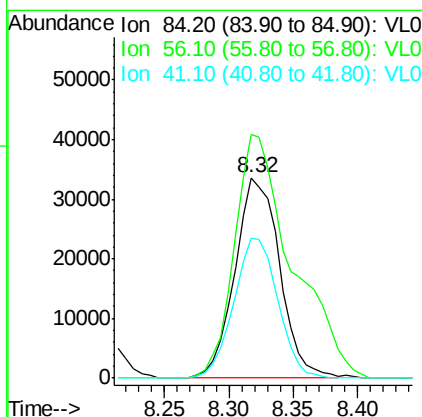
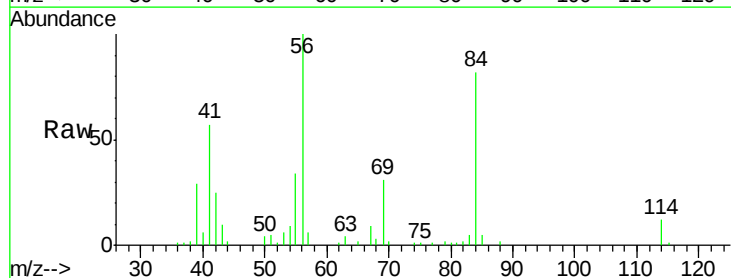
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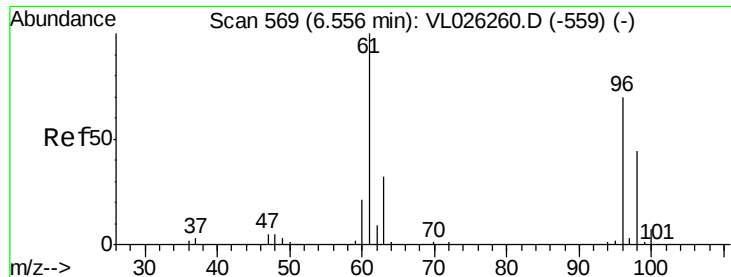
Mmdadoda
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#30
Cyclohexane
Concen: 1.02 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion	84	Resp	81209
Ion Ratio	Lower	Upper	
84	100		
56	156.6	99.6	149.4#
41	68.5	56.7	85.1





#31

cis-1,2-Dichloroethene

Concen: 1.01 ppbv

RT: 6.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

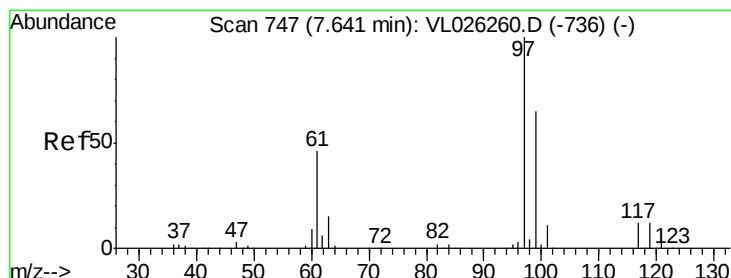
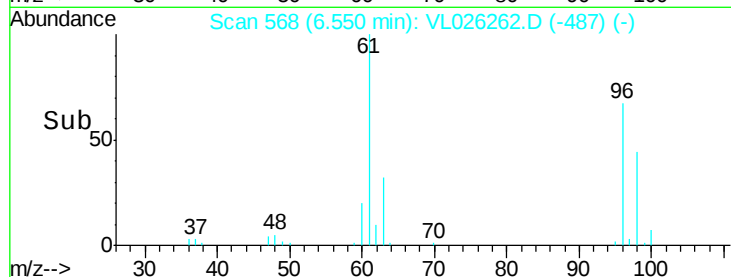
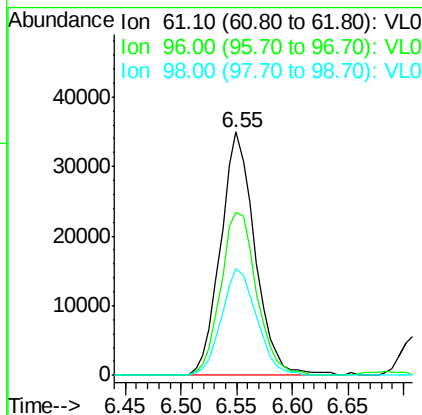
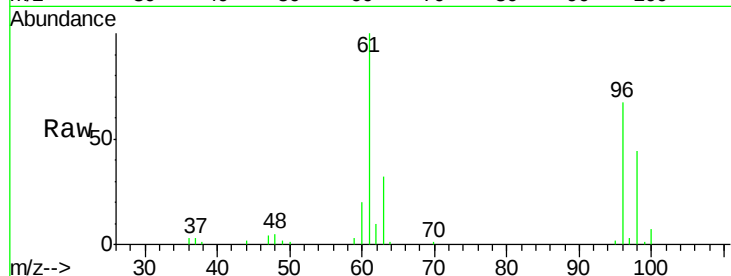
ClientSampleId :

VSTDIC001

Tot Ion:	61	Resp:	74952
Ion	Ratio	Lower	Upper
61	100		
96	67.2	56.2	84.4
98	43.9	35.4	53.2

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#32

1,1,1-Trichloroethane

Concen: 0.43 ppbv

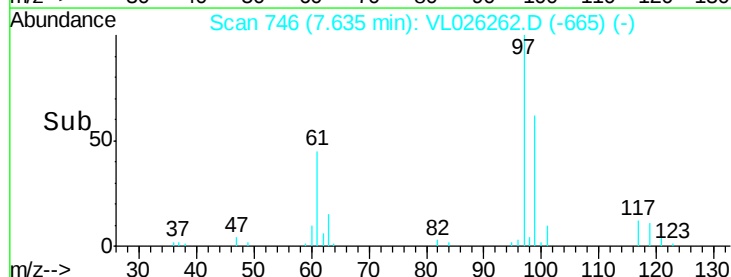
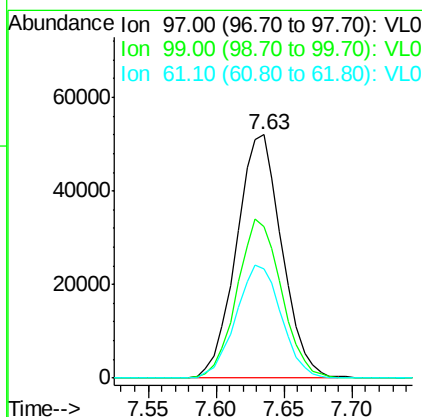
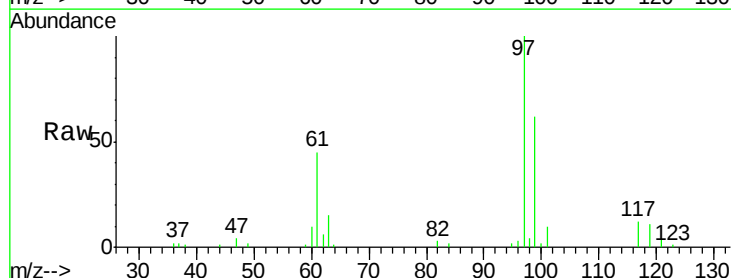
RT: 7.63 min Scan# 746

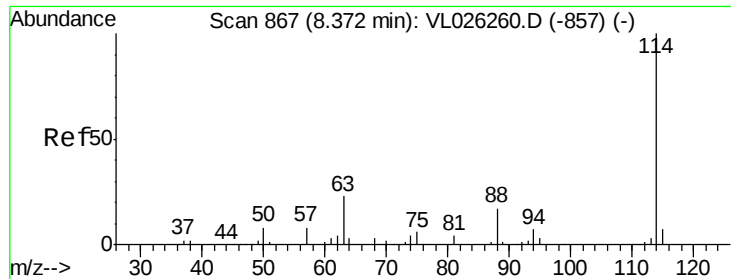
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	97	Resp:	121552
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	46.4	37.1	55.7





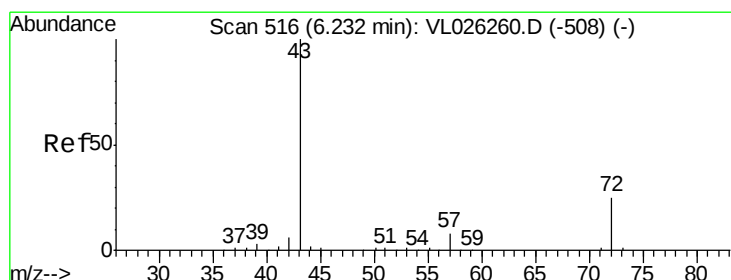
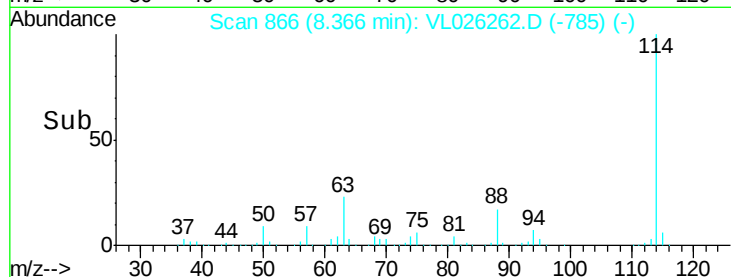
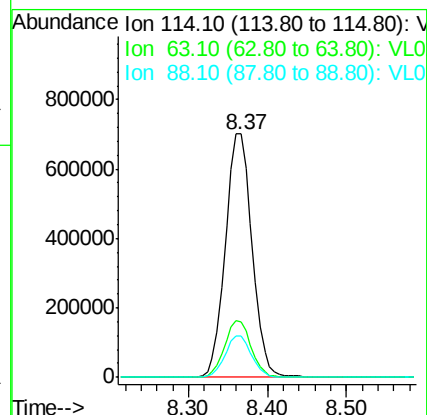
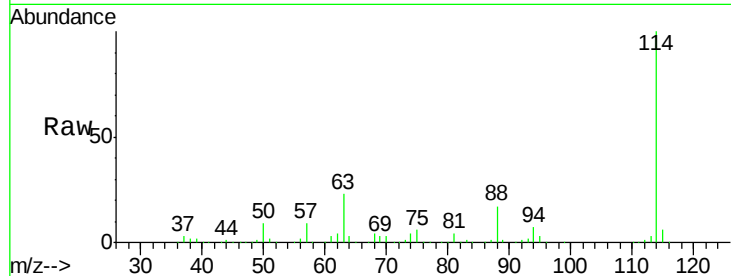
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.37 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 1657811
 Ion Ratio Lower Upper
 114 100
 63 23.0 18.6 28.0
 88 16.8 13.4 20.2

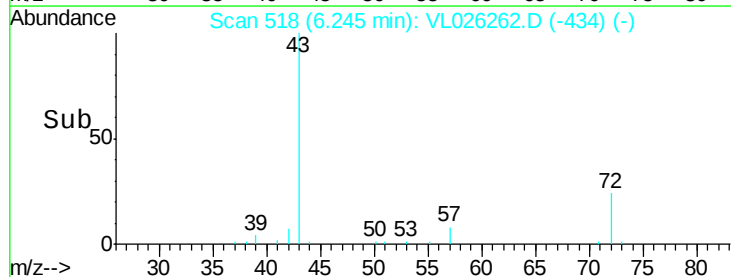
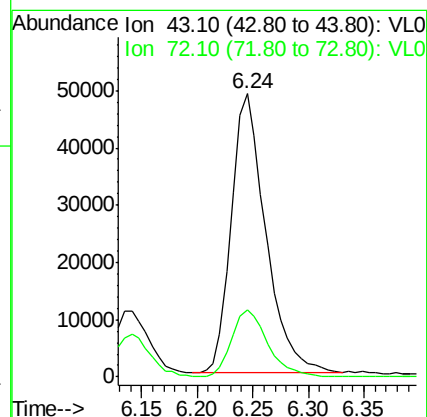
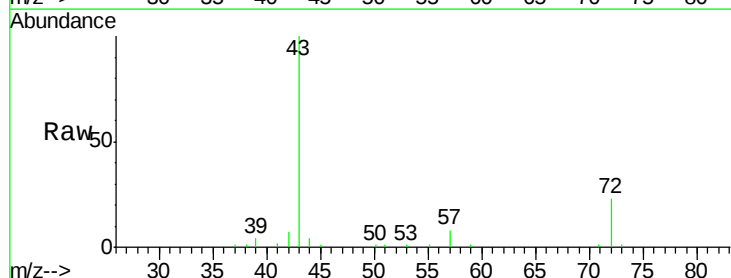
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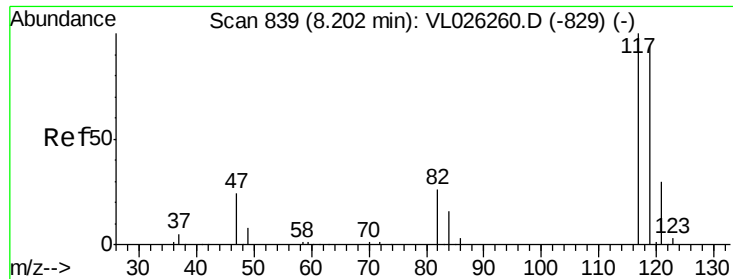
Mmdadoda
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#34
 2-Butanone
 Concen: 1.05 ppbv
 RT: 6.24 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 43 Resp: 105066
 Ion Ratio Lower Upper
 43 100
 72 25.0 19.9 29.9





#35

Carbon Tetrachloride

Concen: 0.44 ppbv

RT: 8.20 min Scan# 838

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

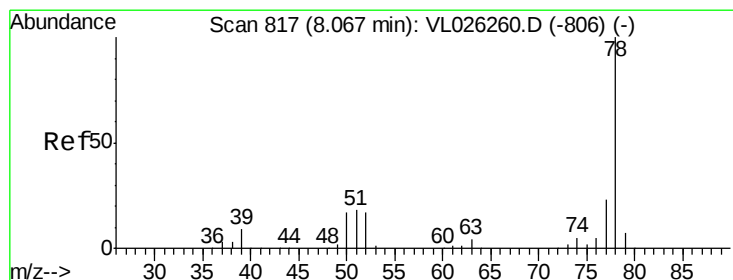
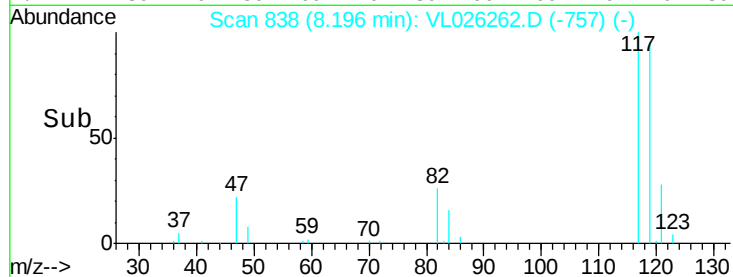
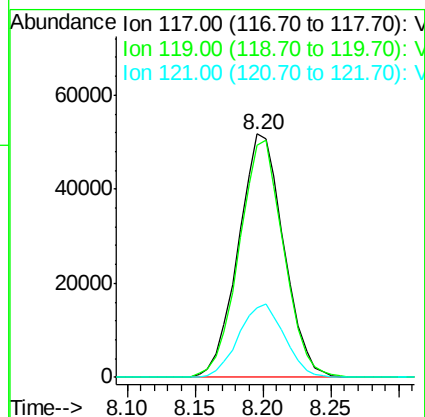
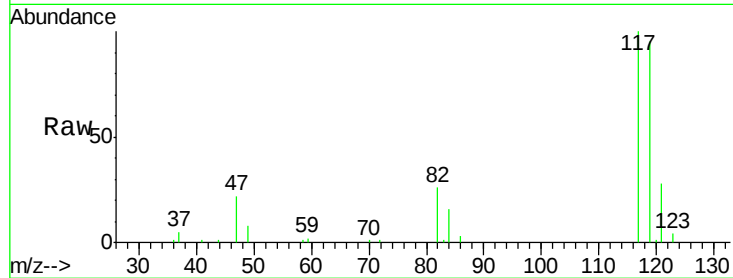
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	120217
Ion Ratio	Lower	Upper	
117	100		
119	95.1	75.2	112.8
121	28.4	24.2	36.2

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#36

Benzene

Concen: 1.08 ppbv

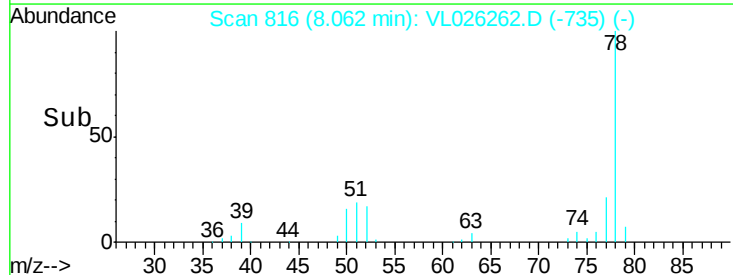
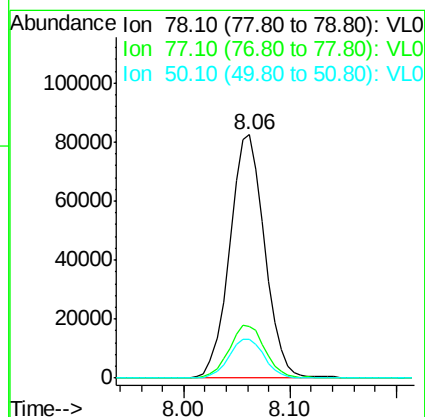
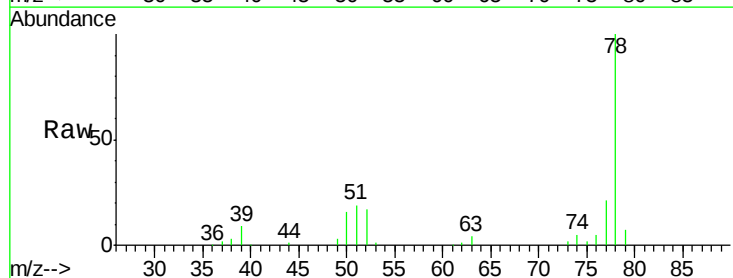
RT: 8.06 min Scan# 816

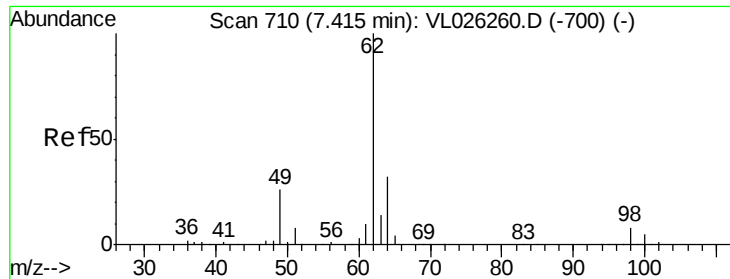
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	78	Resp:	189116
Ion Ratio	Lower	Upper	
78	100		
77	21.2	18.0	27.0
50	16.0	13.3	19.9





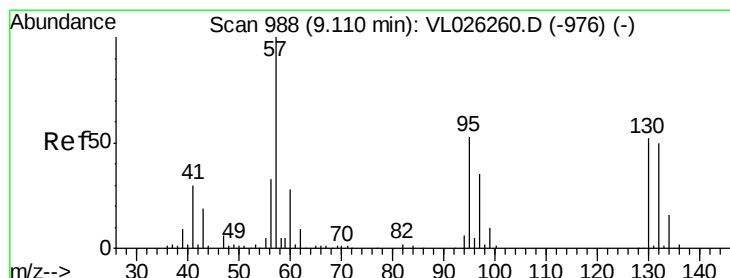
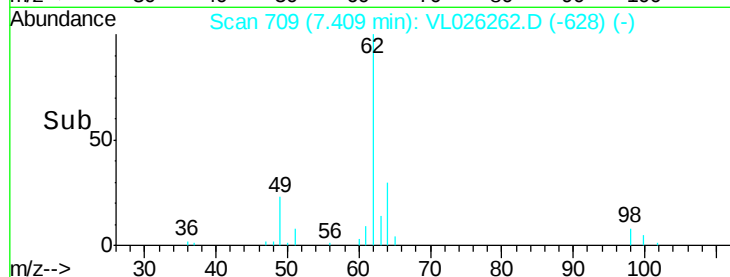
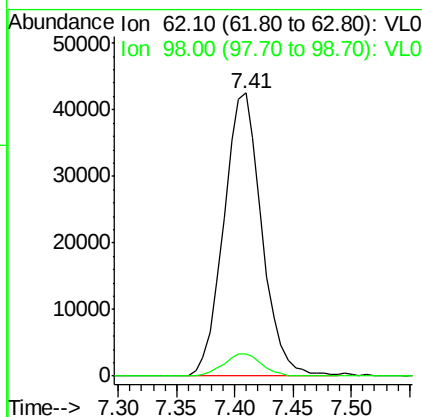
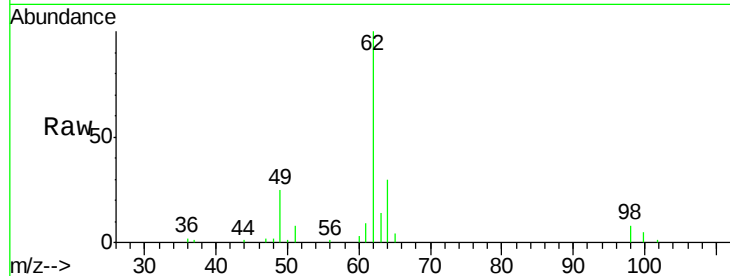
#37
 1,2-Dichloroethane
 Concen: 1.06 ppbv
 RT: 7.41 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.3	9.5

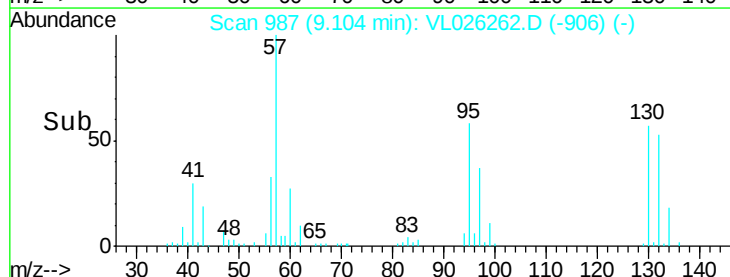
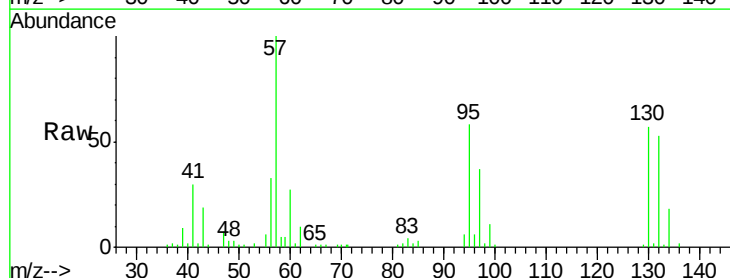
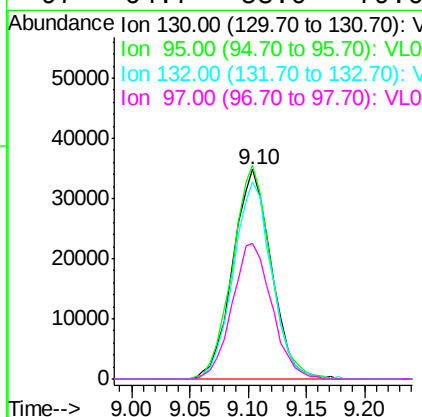
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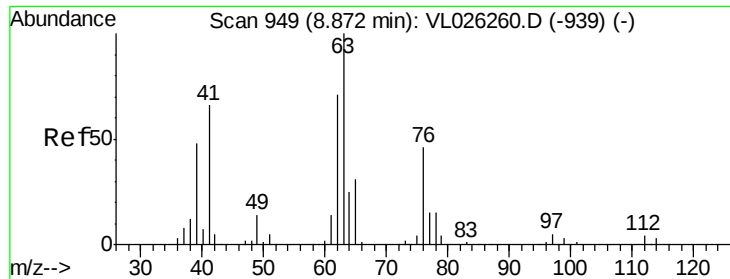
Mmdadoda
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#38
 Trichloroethene
 Concen: 0.44 ppbv
 RT: 9.10 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	80.8	121.2
132	94.0	76.2	114.2
97	64.7	53.0	79.6





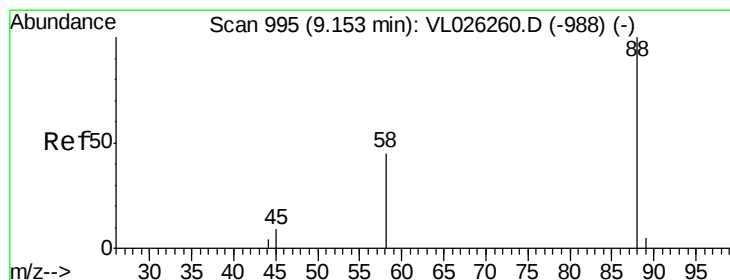
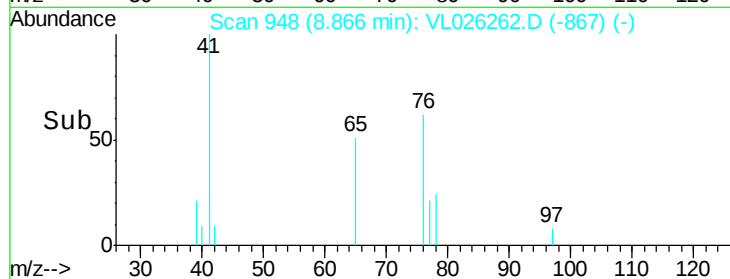
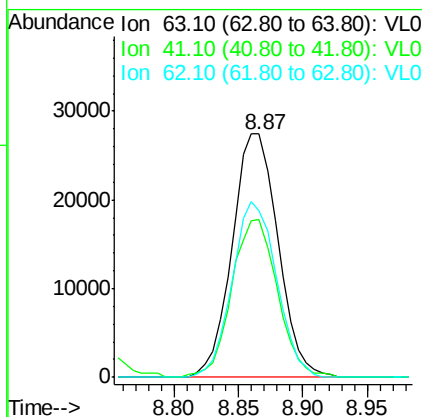
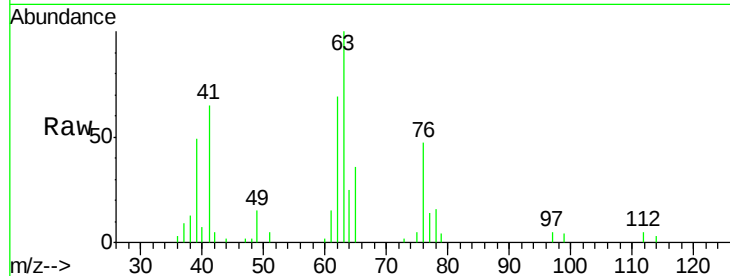
#39
 1,2-Dichloropropane
 Concen: 1.07 ppbv
 RT: 8.87 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	64.9	53.2	79.8
62	68.7	57.1	85.7

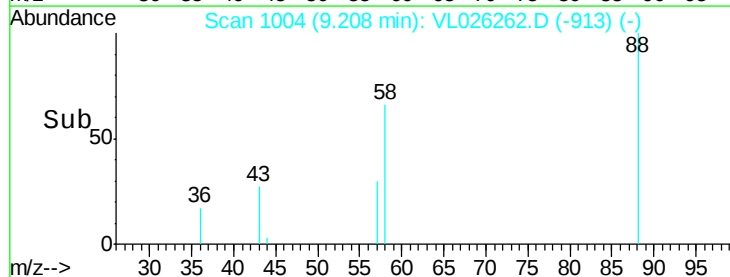
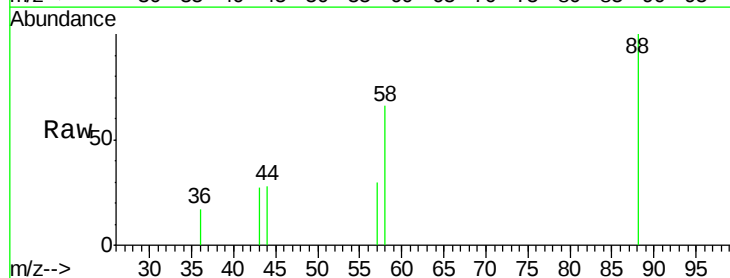
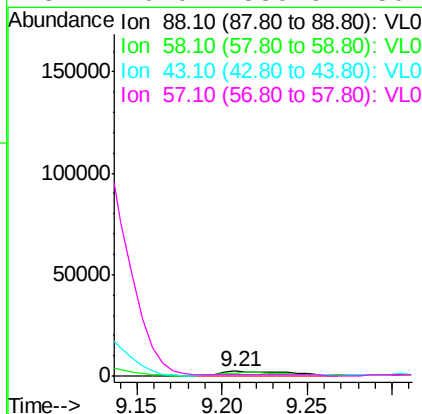
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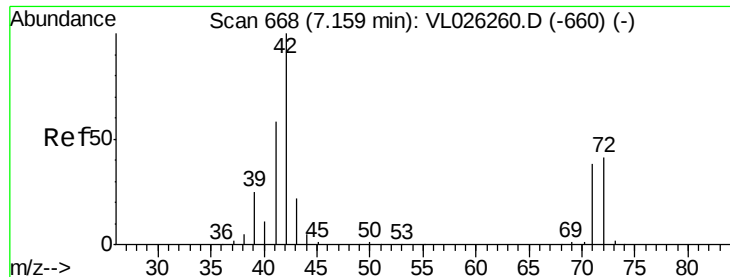
Mmdadoda
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#40
 1,4-Dioxane
 Concen: 0.76 ppbv m
 RT: 9.21 min Scan# 1004
 Delta R.T. 0.06 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	108.2	126.2	189.2#
43	0.0	307.3	460.9#
57	0.0	1536.6	2304.8#





#41

Tetrahydrofuran

Concen: 1.04 ppbv

RT: 7.18 min Scan# 672

Delta R.T. 0.02 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

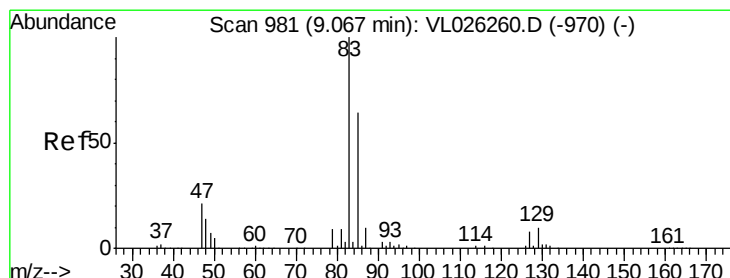
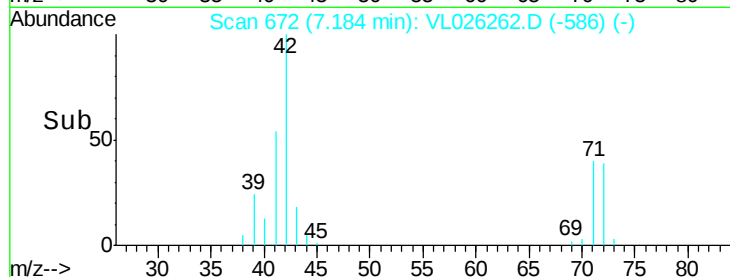
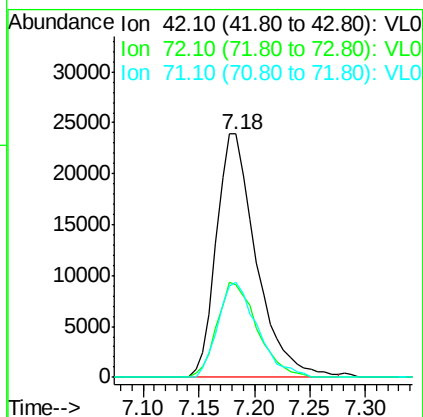
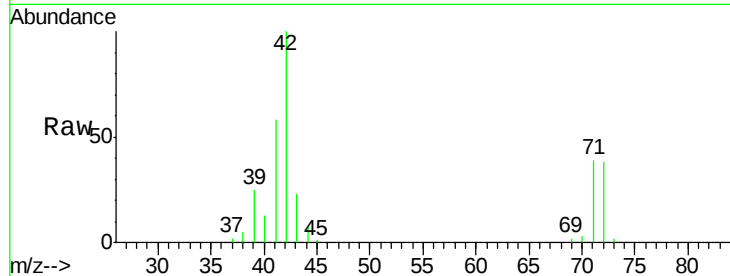
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	59595
Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.2	48.4
71	38.5	30.4	45.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 1.03 ppbv

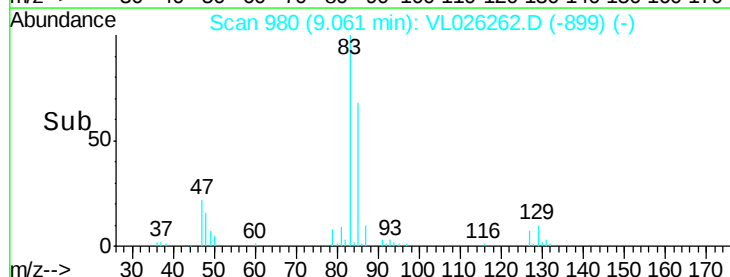
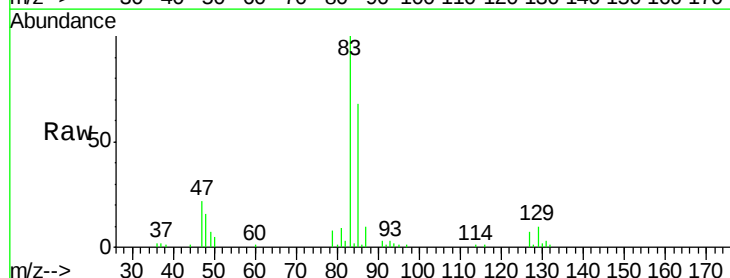
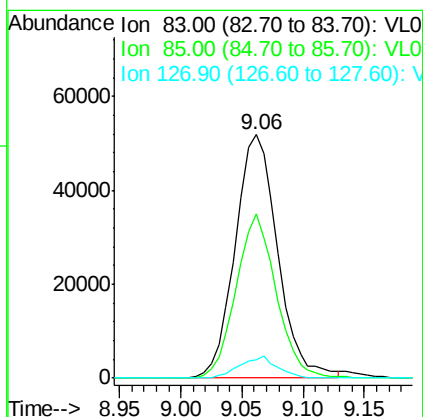
RT: 9.06 min Scan# 980

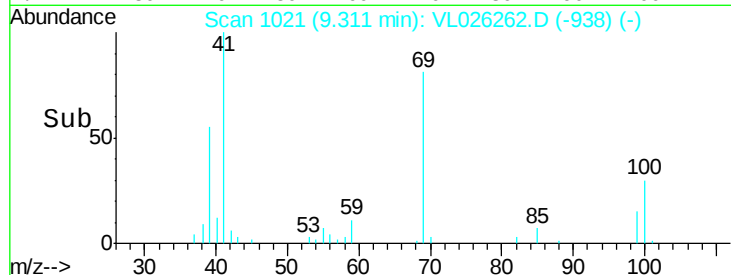
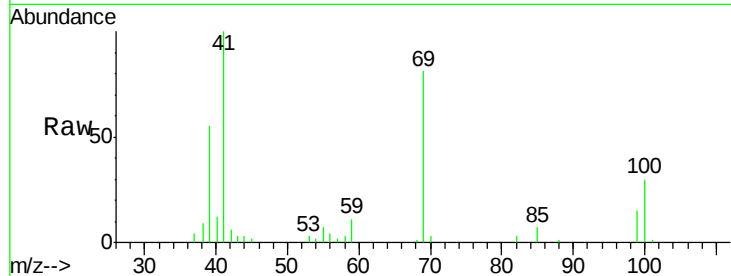
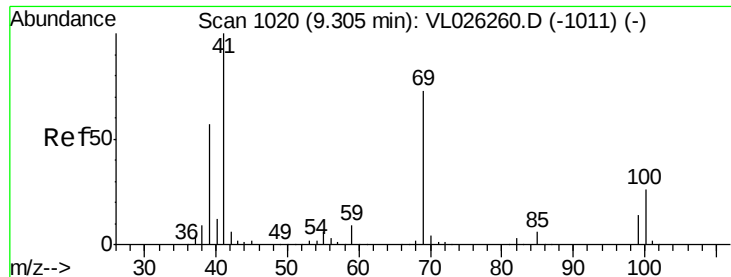
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	83	Resp:	125672
Ion	Ratio	Lower	Upper
83	100		
85	67.5	51.2	76.8
127	7.5	6.2	9.4





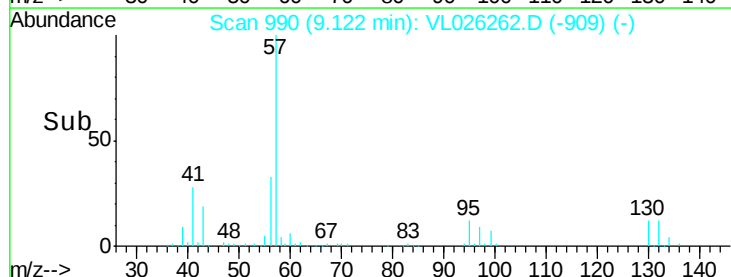
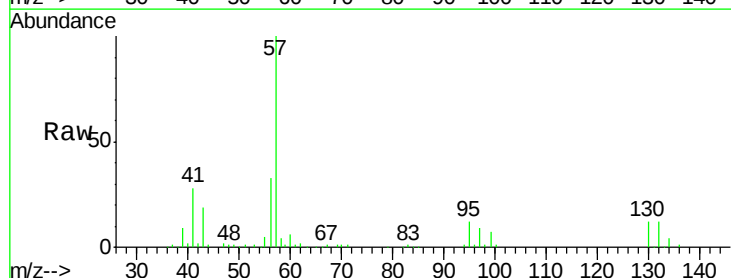
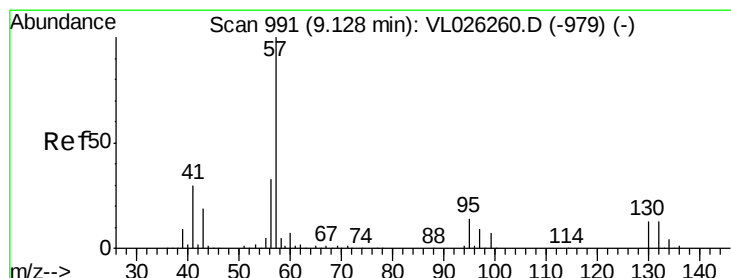
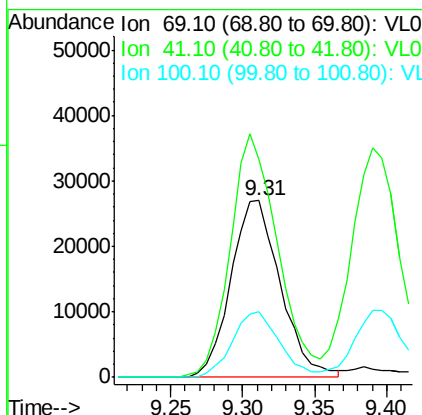
#43
Methvl Methacrvlate
Concen: 1.03 ppbv
RT: 9.31 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tot Ion: 69 Resp: 64527
Ion Ratio Lower Upper
69 100
41 130.6 110.0 165.0
100 34.9 28.6 43.0

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

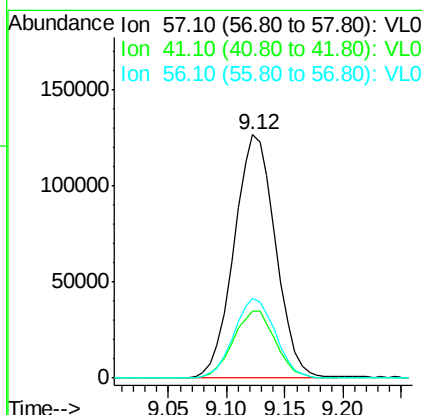
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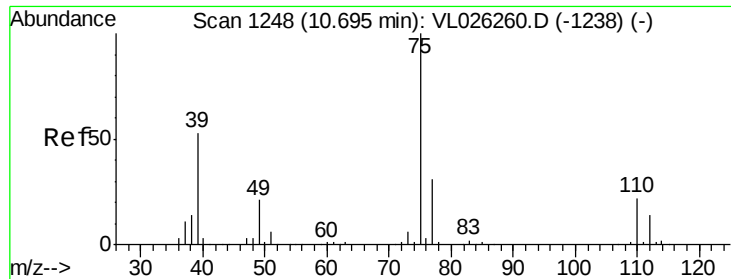
Mmdadoda
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#44
2,2,4-Trimethylpentane
Concen: 1.10 ppbv
RT: 9.12 min Scan# 990
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 57 Resp: 314889
Ion Ratio Lower Upper
57 100
41 28.1 23.1 34.7
56 32.8 26.3 39.5





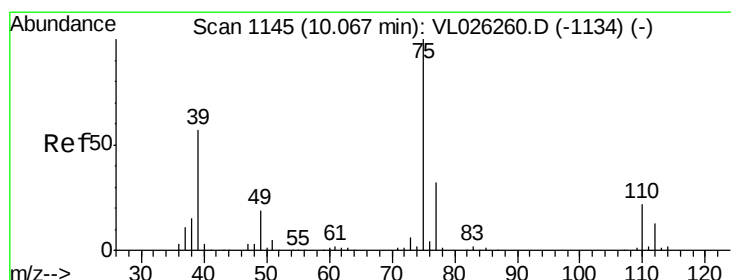
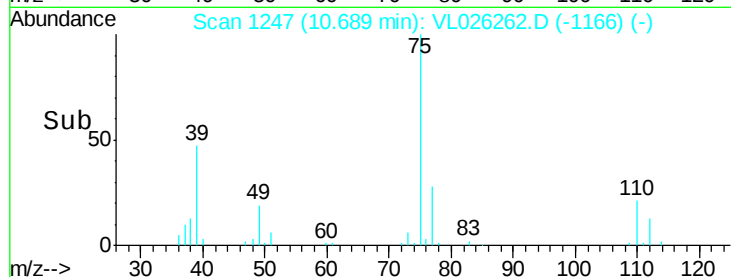
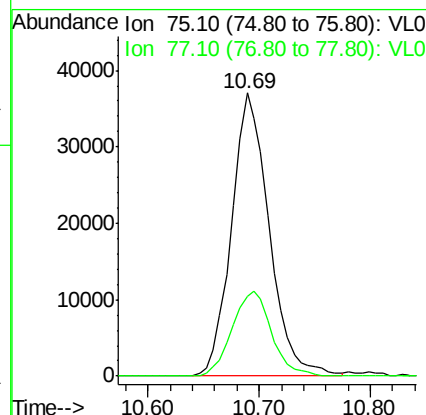
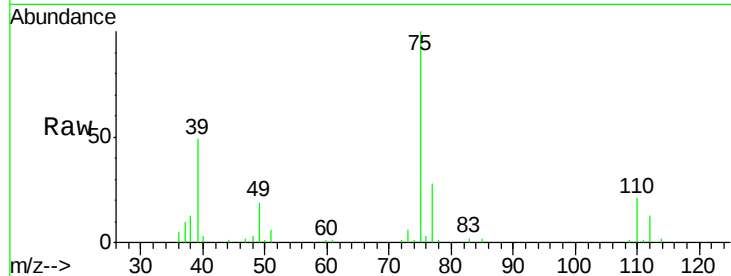
#45
 t-1,3-Dichloropropene
 Concen: 0.98 ppbv
 RT: 10.69 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 86894
 Ion Ratio Lower Upper
 75 100
 77 28.0 24.7 37.1

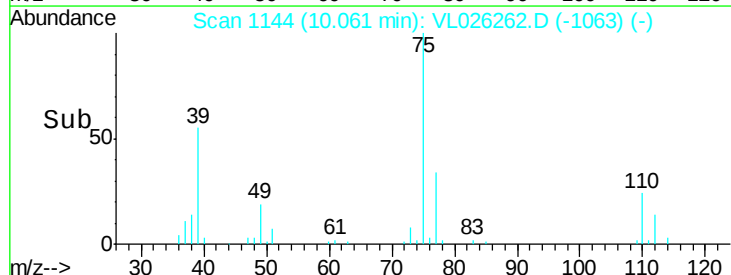
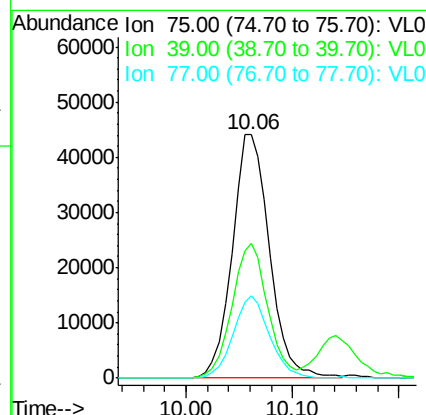
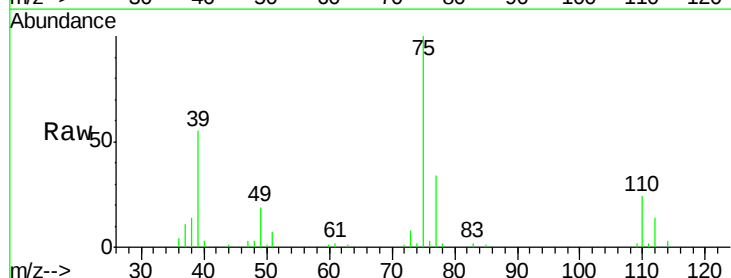
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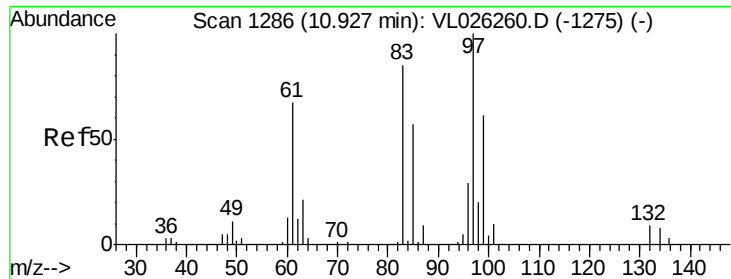
Mmdadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 1.00 ppbv
 RT: 10.06 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion: 75 Resp: 108066
 Ion Ratio Lower Upper
 75 100
 39 55.4 45.8 68.8
 77 33.8 25.3 37.9





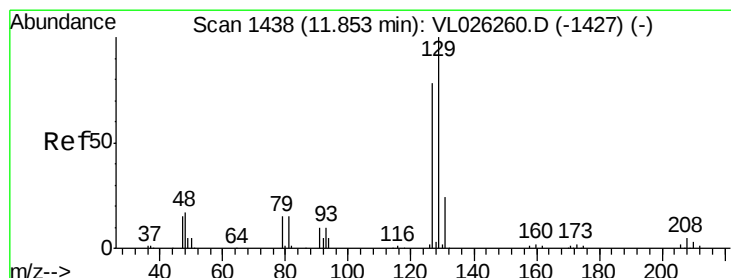
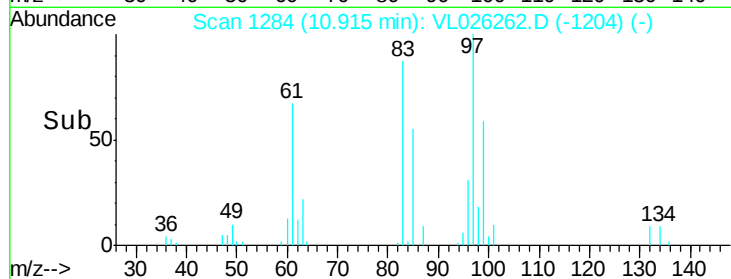
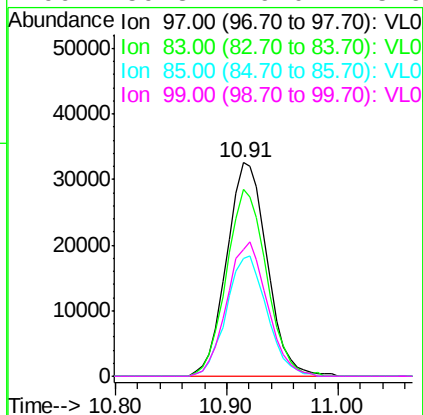
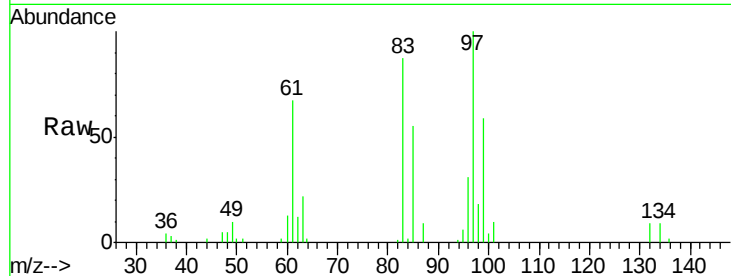
#47
 1,1,2-Trichloroethane
 Concen: 1.06 ppbv
 RT: 10.91 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.2	67.9	101.9	
85	55.2	45.2	67.8	
99	59.3	49.0	73.6	

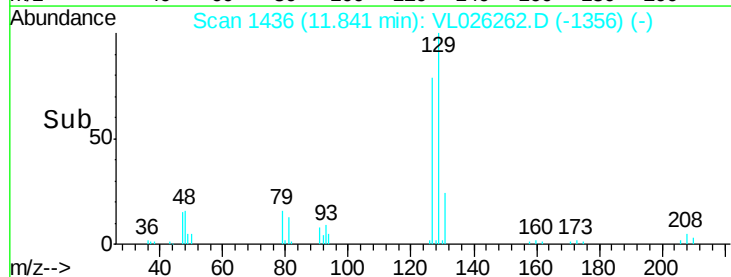
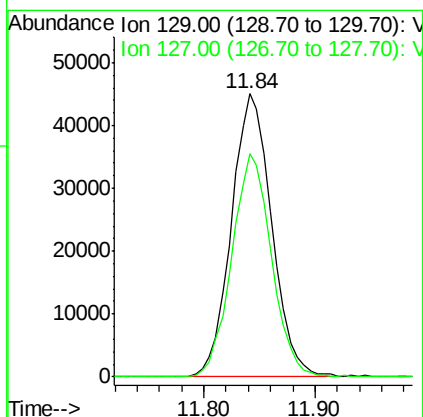
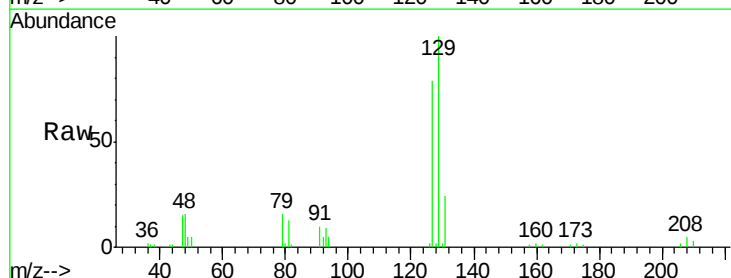
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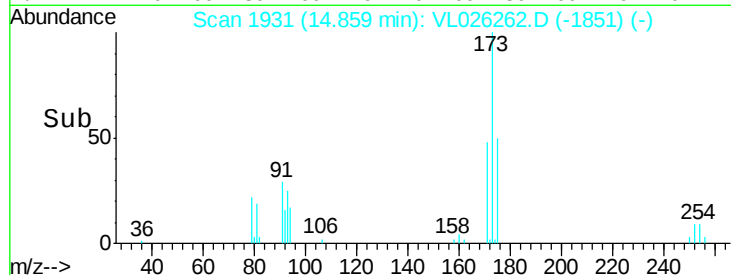
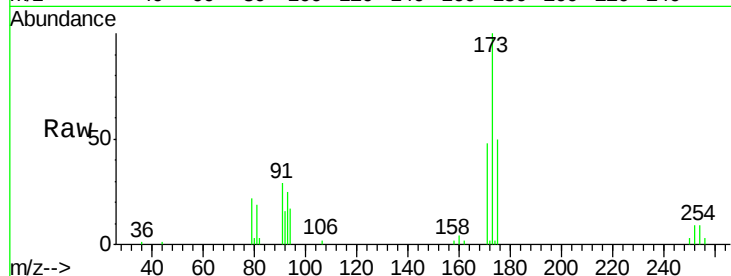
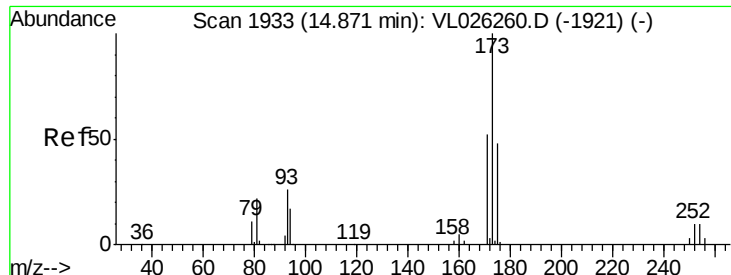
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#48
 Dibromochloromethane
 Concen: 1.01 ppbv
 RT: 11.84 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.7	39.1	117.2	





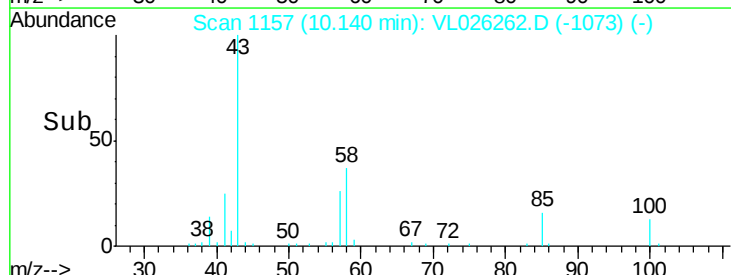
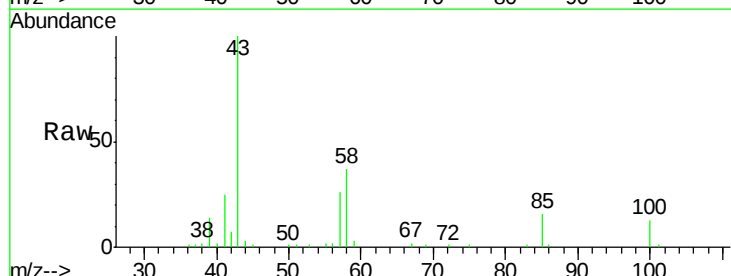
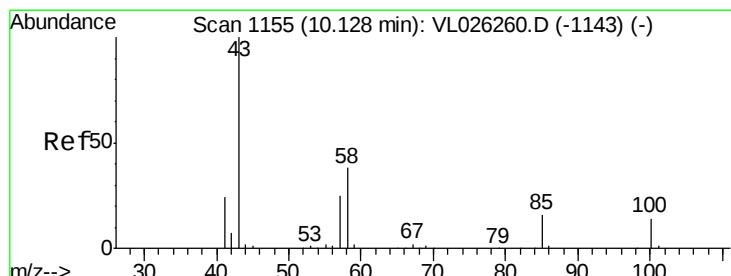
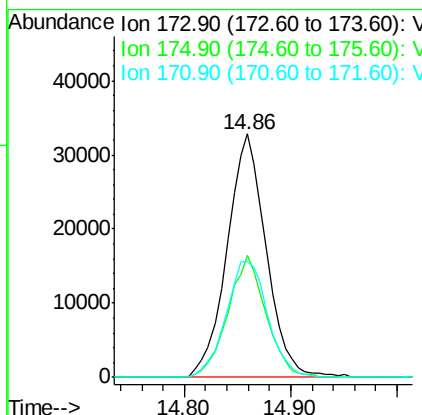
#49
Bromoform
Concen: 0.95 ppbv
RT: 14.86 min Scan# 1931
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tot Ion: 173 Resp: 84225
Ion Ratio Lower Upper
173 100
175 48.7 38.8 58.2
171 51.1 41.7 62.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

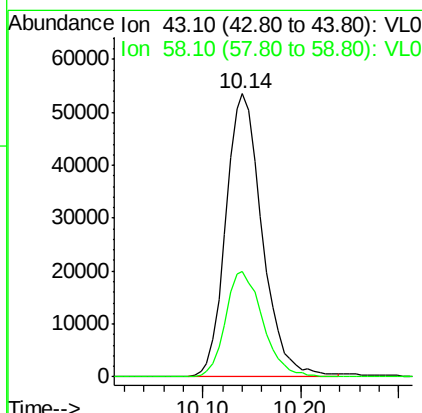
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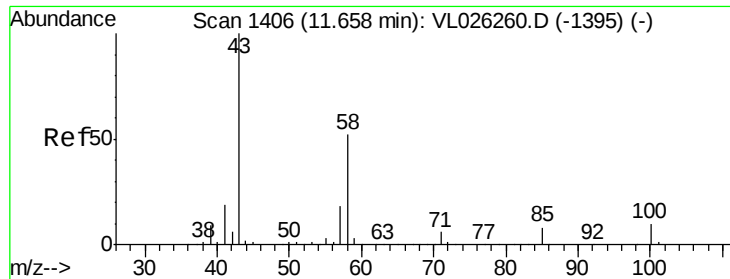
Mmdadoda
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#50
4-Methyl-2-Pentanone
Concen: 1.03 ppbv
RT: 10.14 min Scan# 1157
Delta R.T. 0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 43 Resp: 138219
Ion Ratio Lower Upper
43 100
58 38.0 30.5 45.7





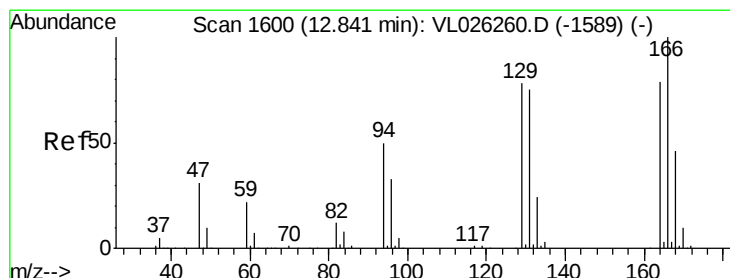
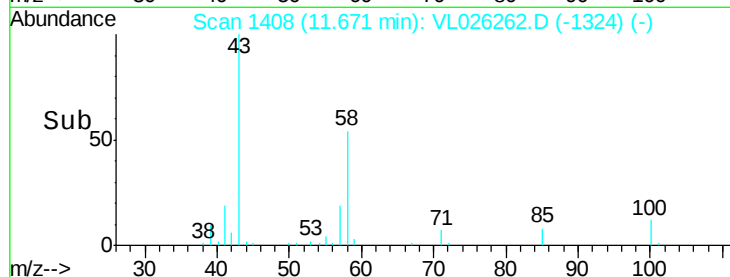
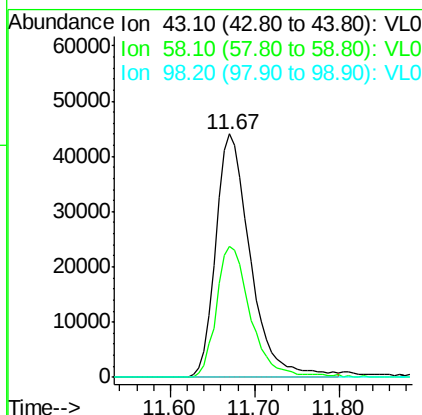
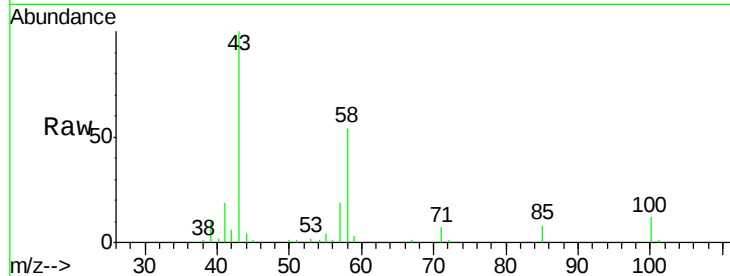
#51
2-Hexanone
Concen: 1.02 ppbv
RT: 11.67 min Scan# 1408
Delta R.T. 0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	42.7	64.1
98	0.0	0.0	0.0

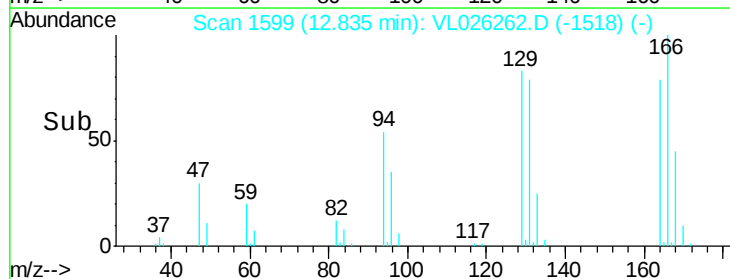
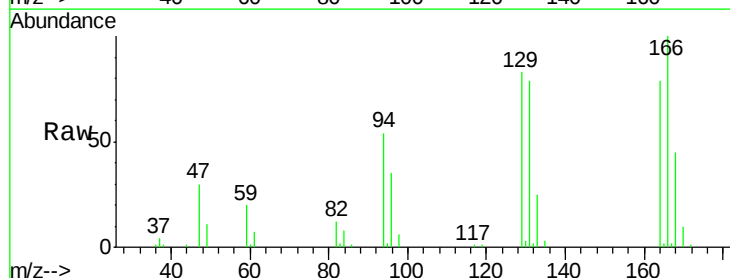
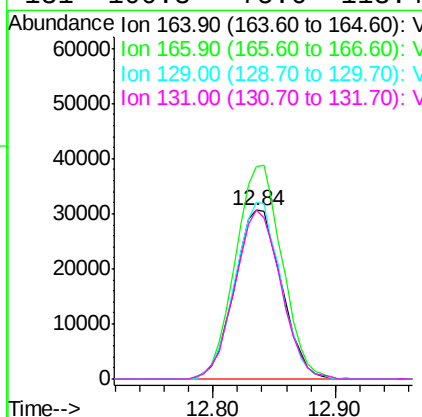
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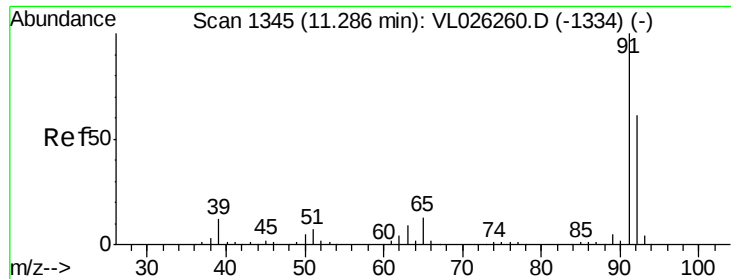
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#52
Tetrachloroethene
Concen: 0.42 ppbv
RT: 12.84 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.4	152.0
129	104.8	78.8	118.2
131	100.3	75.6	113.4





#53

Toluene

Concen: 1.05 ppbv

RT: 11.28 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 241568

Ion Ratio Lower Upper

91 100

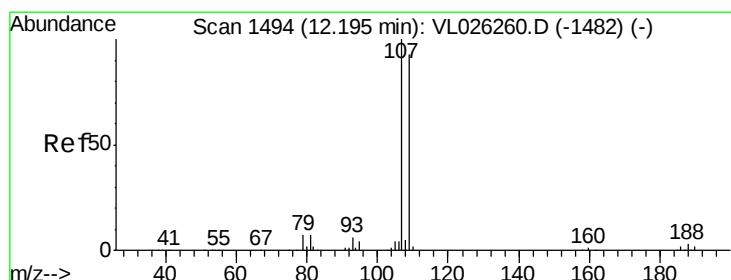
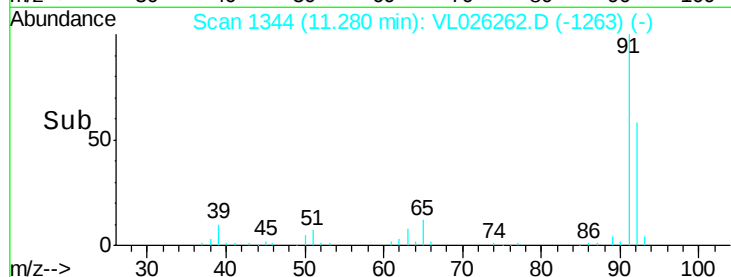
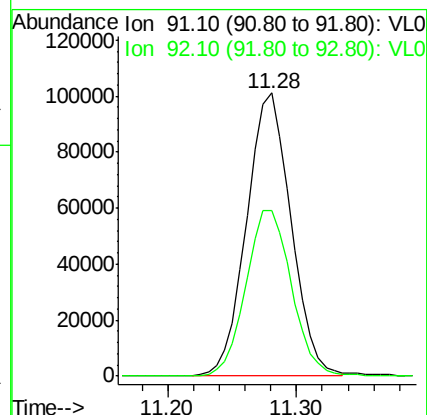
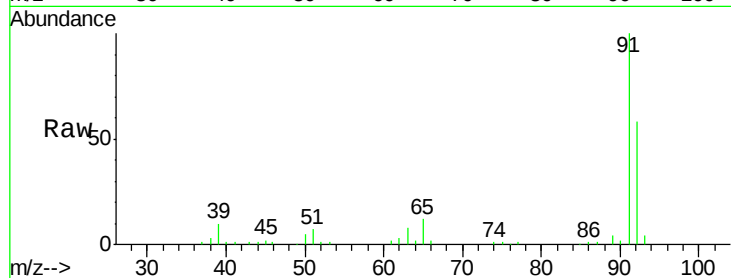
92 60.2 48.6 73.0

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#54

1,2-Dibromoethane

Concen: 1.05 ppbv

RT: 12.18 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL026262.D

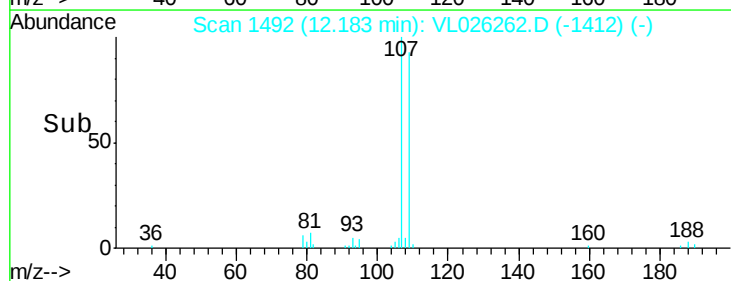
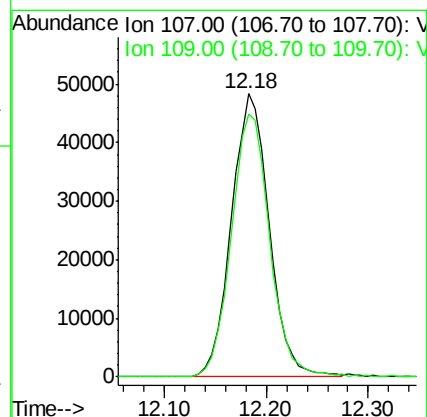
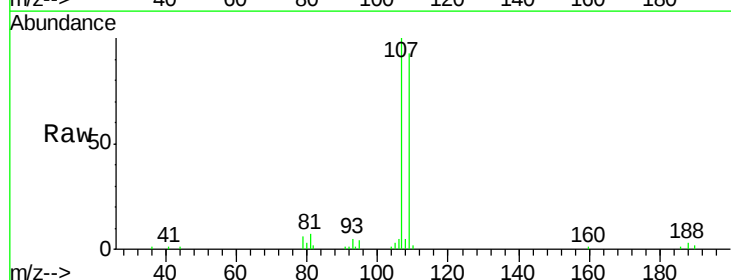
Acq: 29 Oct 2015 10:41

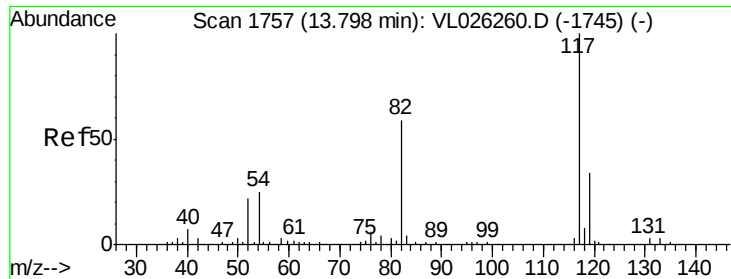
Tgt Ion: 107 Resp: 124058

Ion Ratio Lower Upper

107 100

109 92.9 74.6 112.0





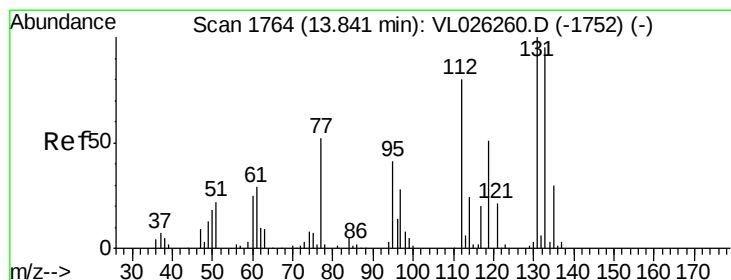
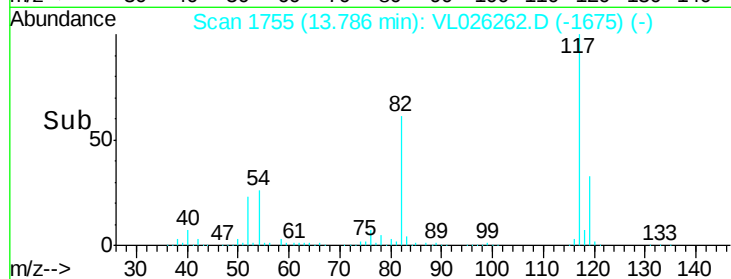
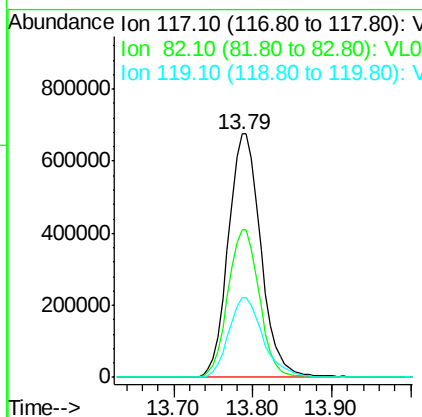
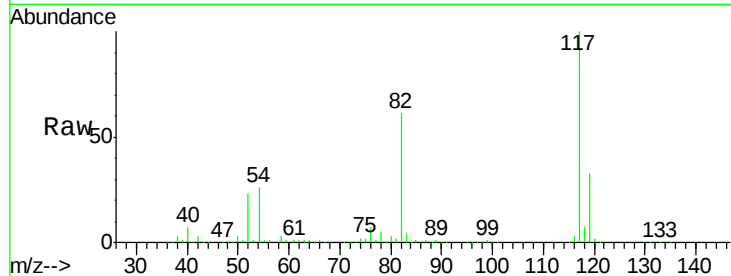
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.79 min Scan# 1755
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.2	72.4
119	34.7	46.2	69.2#

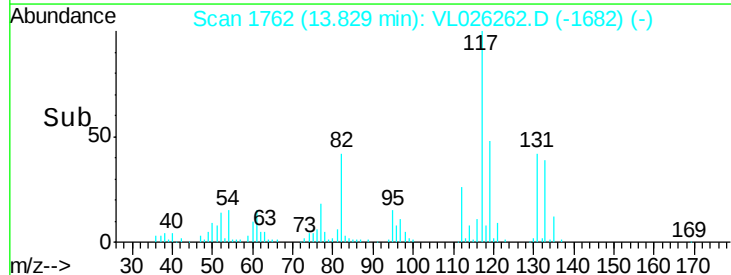
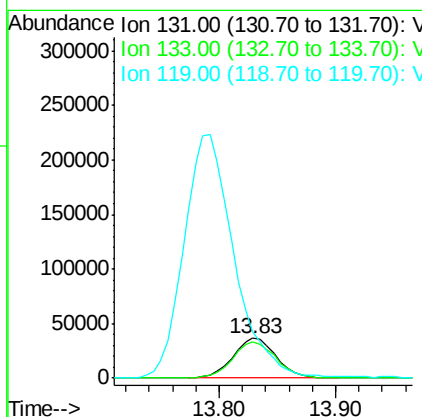
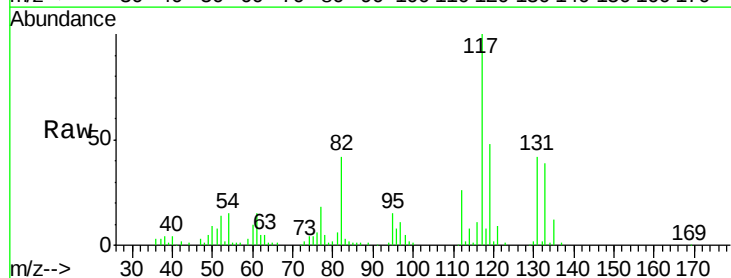
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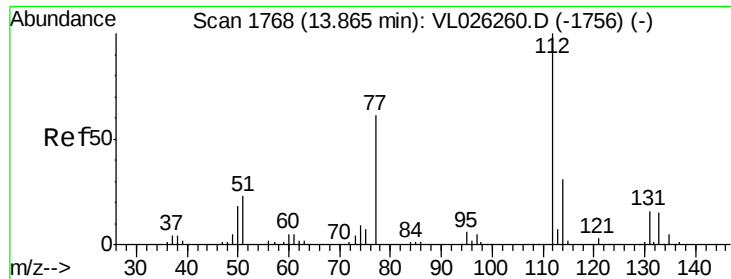
Mmdadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.10 ppbv
RT: 13.83 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.7	76.1	114.1
119	718.8	111.3	166.9#





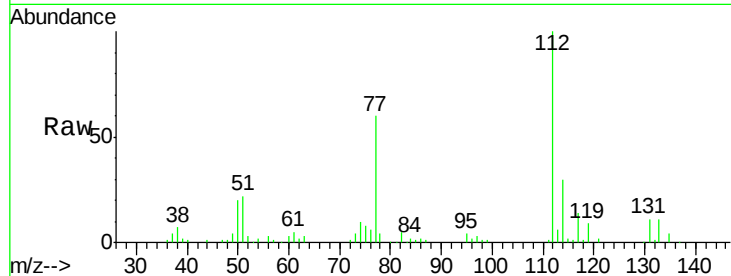
#57
Chlorobenzene
Concen: 1.13 ppbv
RT: 13.86 min Scan# 1767
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

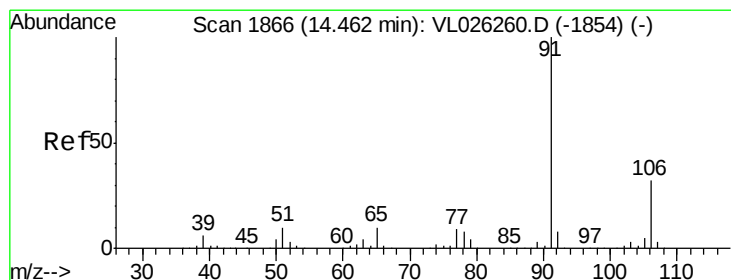
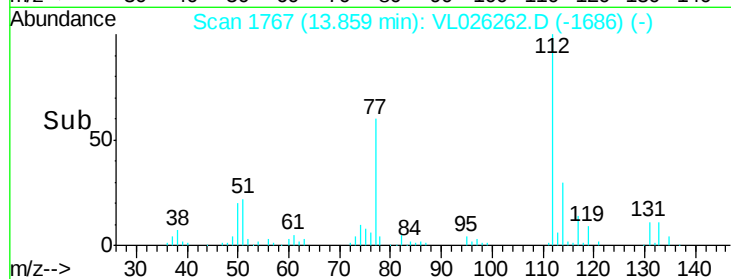
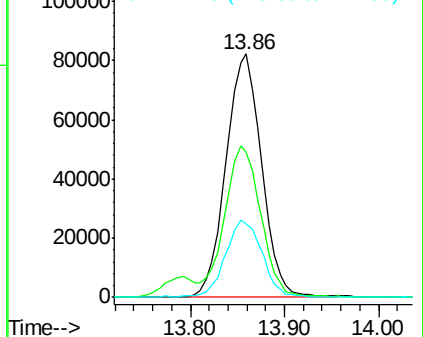
Tot Ion	Ratio	Lower	Upper
112	100		
77	59.3	49.4	74.0
114	30.0	27.8	34.0

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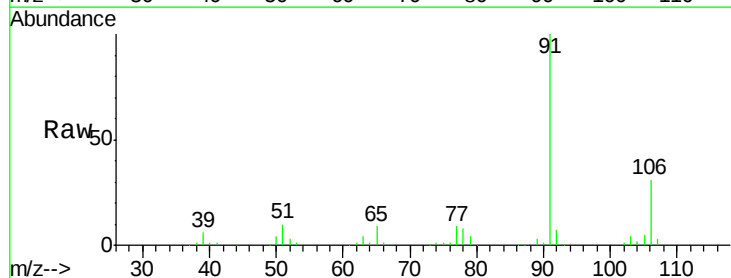


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

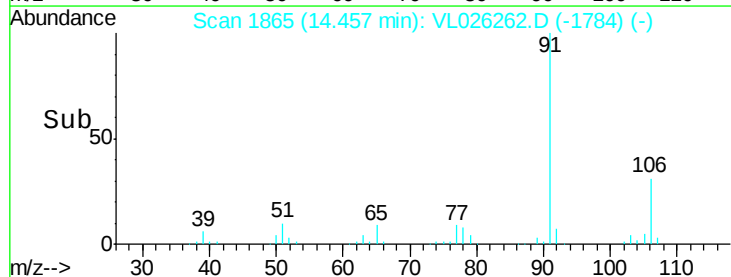
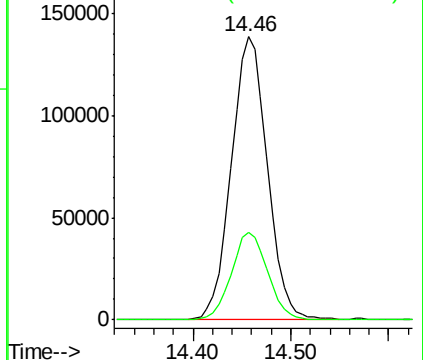


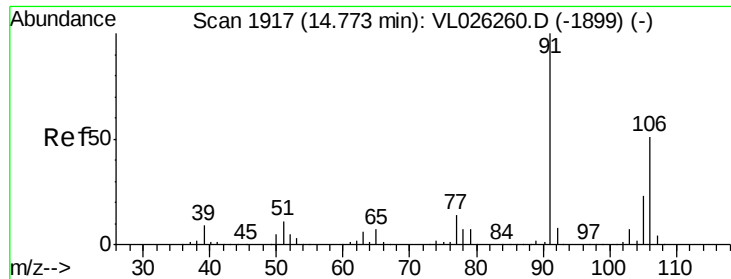
#58
Ethyl Benzene
Concen: 1.11 ppbv
RT: 14.46 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.7	38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





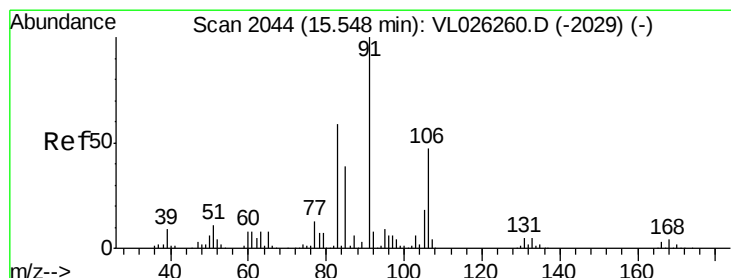
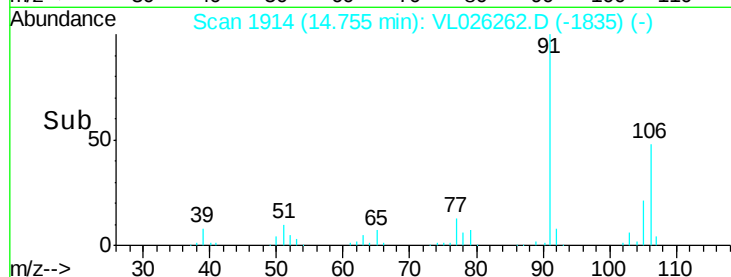
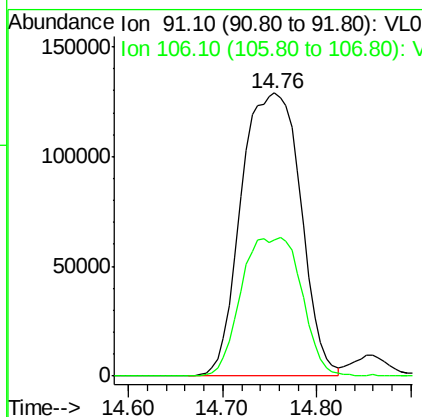
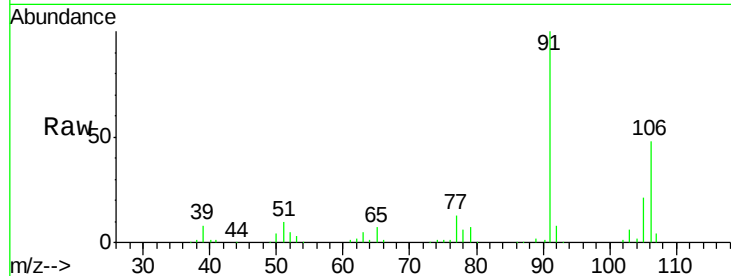
#59
m/p-Xylene
Concen: 2.25 ppbv
RT: 14.76 min Scan# 1914
Delta R.T. -0.02 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 567934
Ion Ratio Lower Upper
91 100
106 49.9 0.0 0.0#

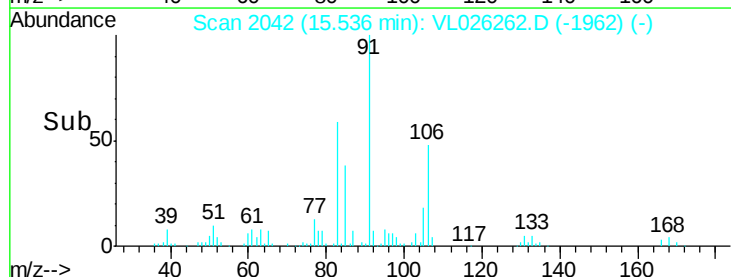
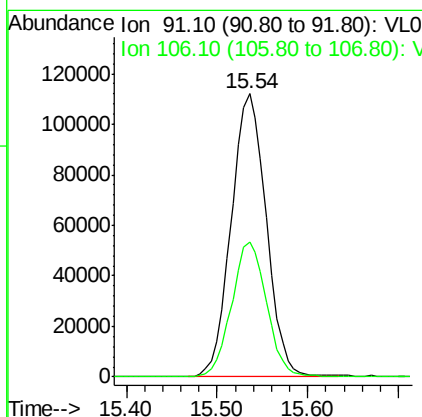
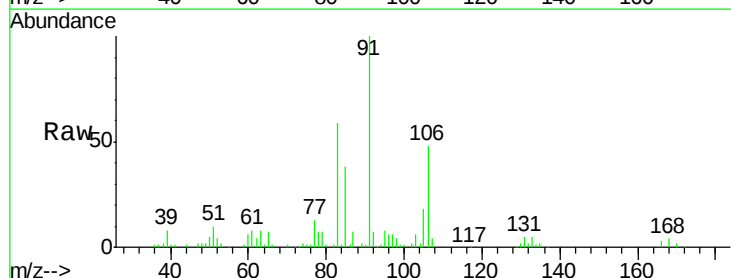
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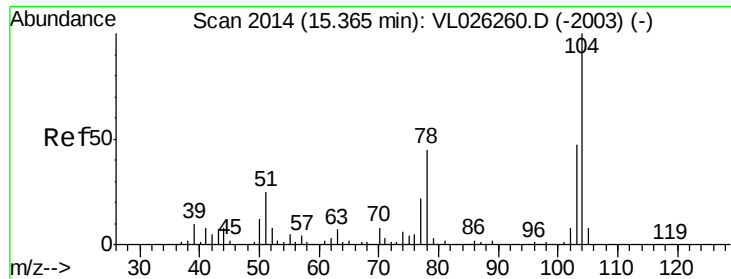
Mmdadoda
10/30/2015 12:06:33 PM



#60
o-Xylene
Concen: 1.14 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VL026262.D
Acq: 29 Oct 2015 10:41

Tgt Ion: 91 Resp: 301219
Ion Ratio Lower Upper
91 100
106 47.2 23.6 70.8





#61

Stvrene

Concen: 1.02 ppbv

RT: 15.35 min Scan# 2012

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

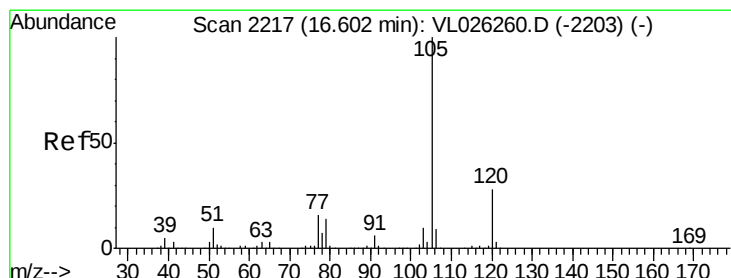
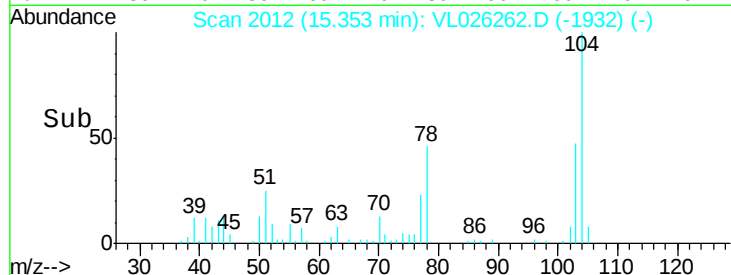
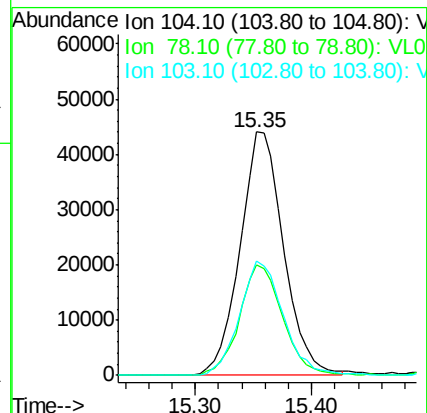
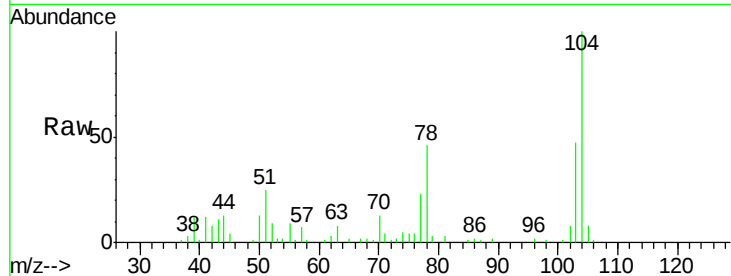
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	114588
Ion Ratio	Lower	Upper	
104	100		
78	45.2	35.5	53.3
103	47.1	37.0	55.6

Manual Integrations
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#62

Isopropylbenzene

Concen: 1.10 ppbv

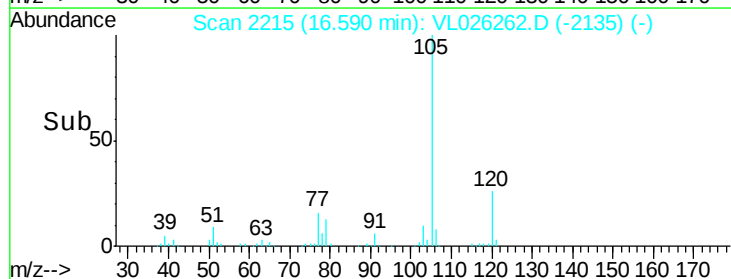
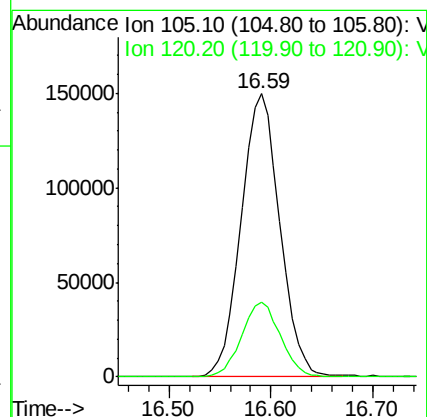
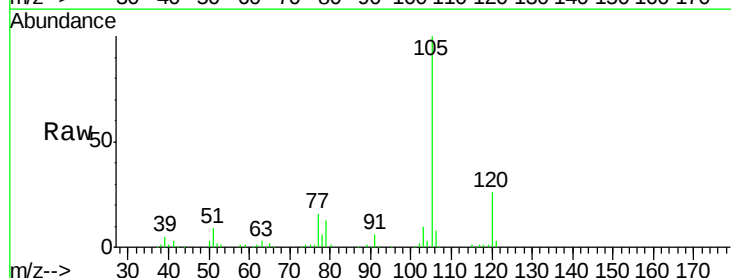
RT: 16.59 min Scan# 2215

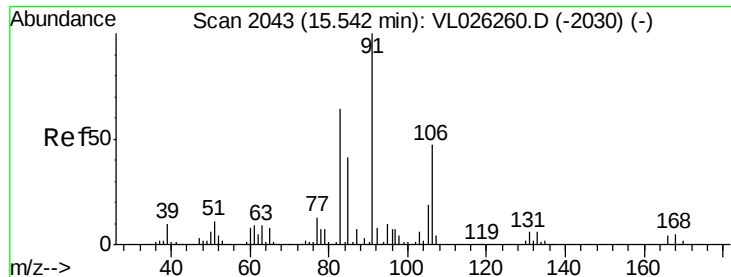
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	105	Resp:	395267
Ion Ratio	Lower	Upper	
105	100		
120	26.5	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 0.46 ppbv

RT: 15.53 min Scan# 2041

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

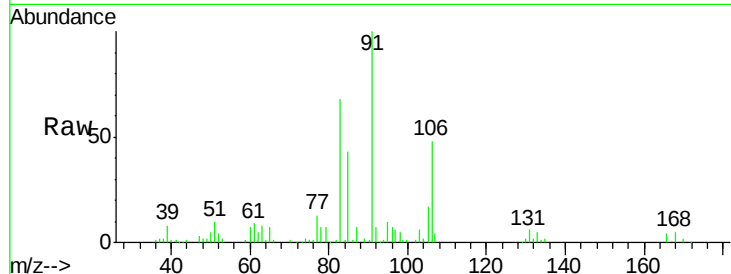
ClientSampleId :

VSTDIC001

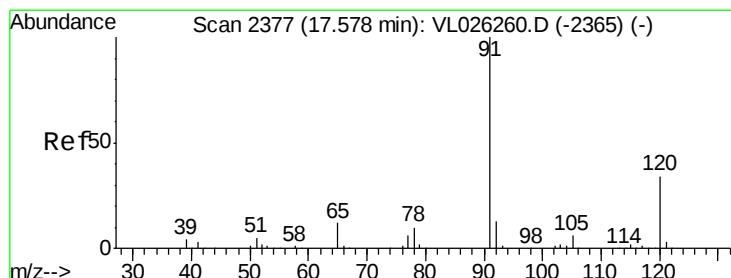
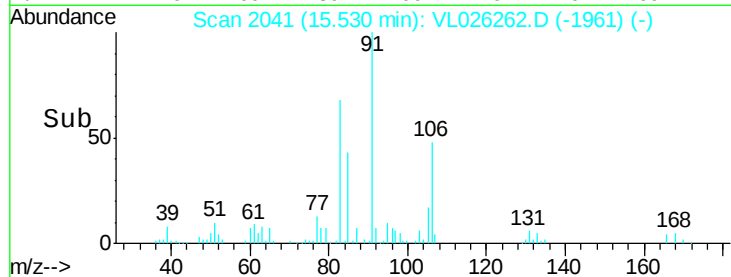
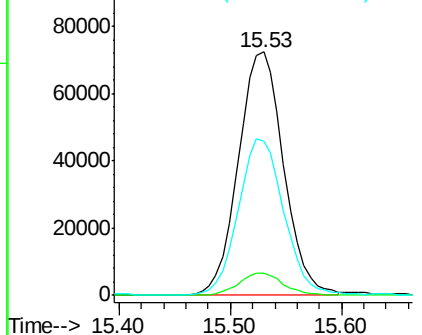
Tot Ion:	83	Resp:	205006
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.6	13.8
85	65.0	32.4	97.2

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



#64

n-propylbenzene

Concen: 1.10 ppbv

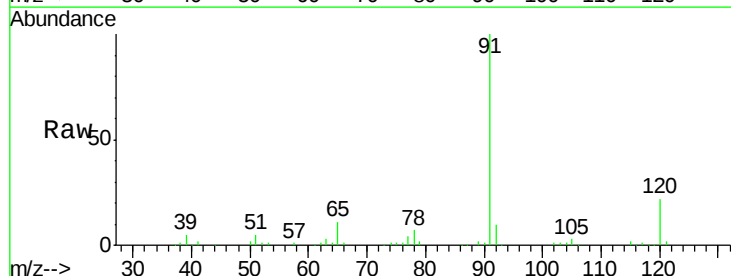
RT: 17.57 min Scan# 2375

Delta R.T. -0.01 min

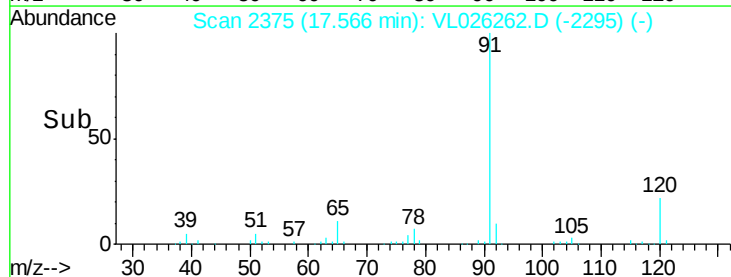
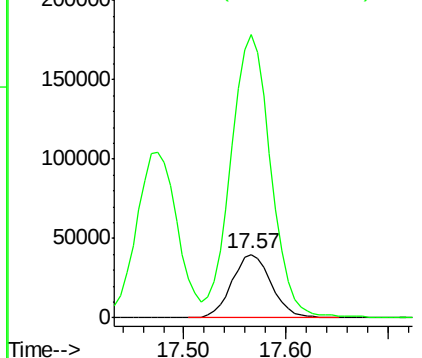
Lab File: VL026262.D

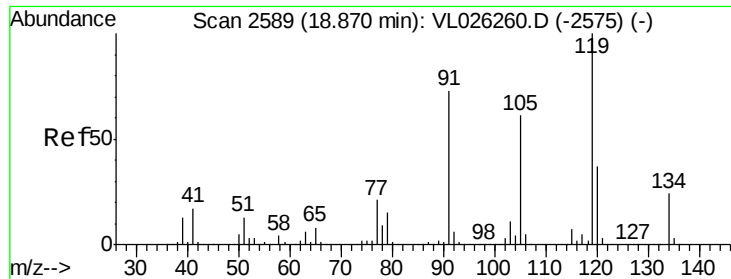
Acq: 29 Oct 2015 10:41

Tgt Ion:	120	Resp:	107707
Ion Ratio	Lower	Upper	
120	100		
91	447.8	340.8	511.2



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





#65

tert-Butylbenzene

Concen: 1.15 ppbv

RT: 18.86 min Scan# 2587

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

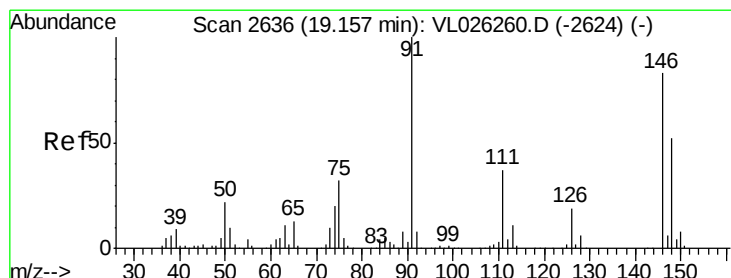
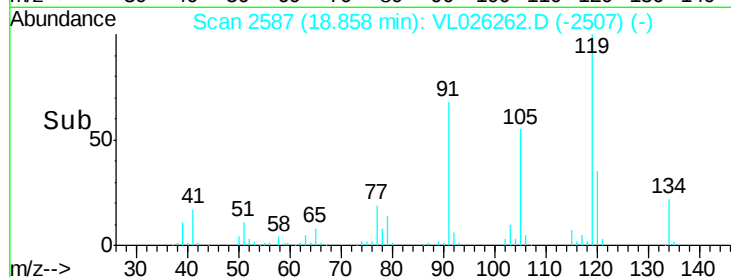
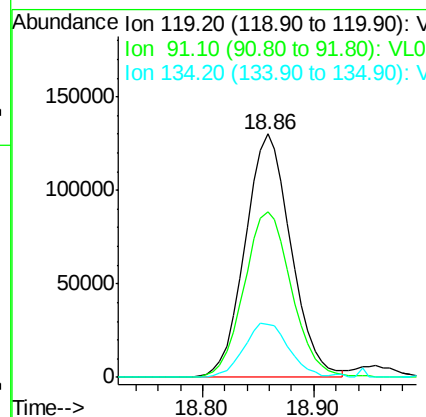
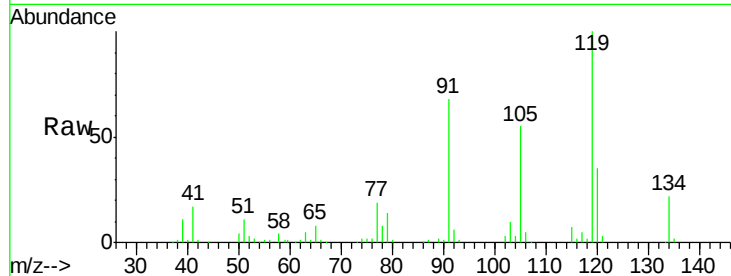
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	372922
Ion Ratio	Lower	Upper	
119	100		
91	70.9	57.7	86.5
134	22.7	18.0	27.0

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#66

Benzyl Chloride

Concen: 0.90 ppbv

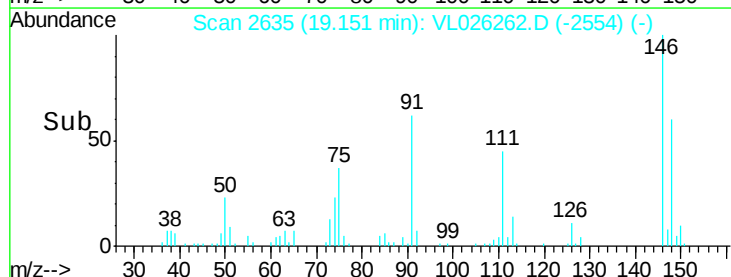
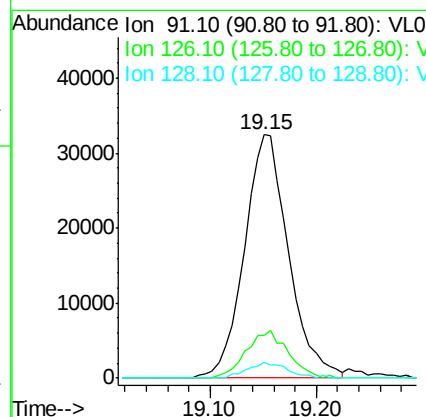
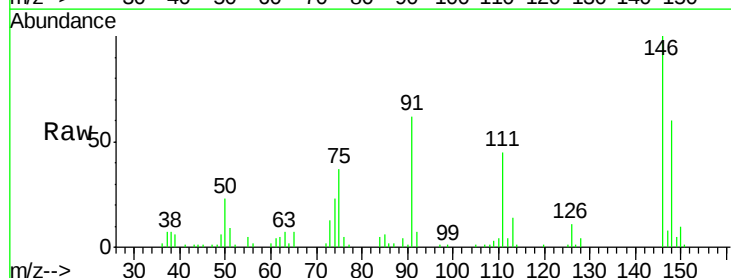
RT: 19.15 min Scan# 2635

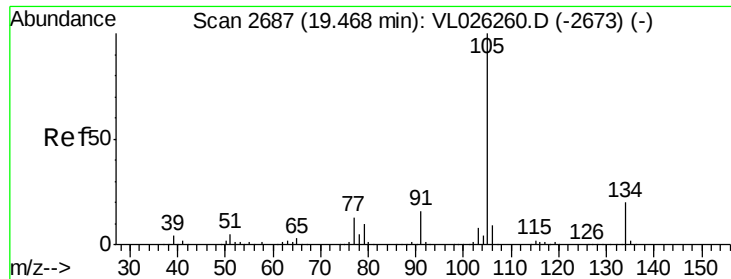
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	91	Resp:	94373
Ion Ratio	Lower	Upper	
91	100		
126	18.6	15.8	23.8
128	5.8	5.0	7.6





#67

sec-Butylbenzene

Concen: 1.12 ppbv

RT: 19.46 min Scan# 2685

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 514586

Ion Ratio Lower Upper

105 100

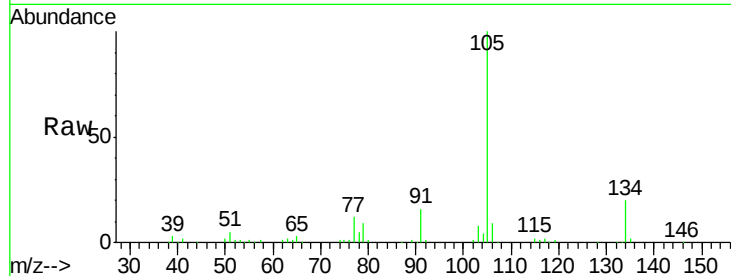
134 19.6 16.0 24.0

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

19.46

200000

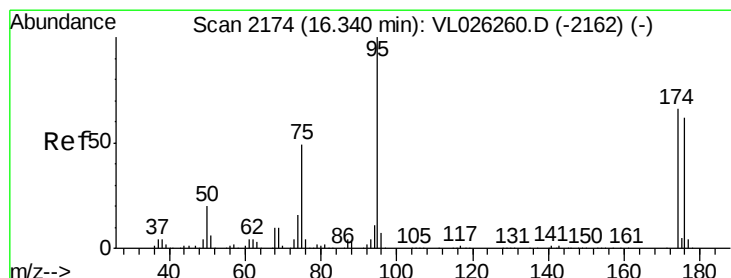
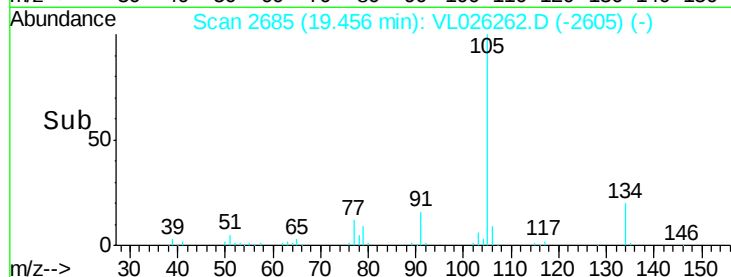
150000

100000

50000

0

Time--> 19.30 19.40 19.50 19.60



#68

1-Bromo-4-Fluorobenzene

Concen: 9.97 ppbv

RT: 16.33 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

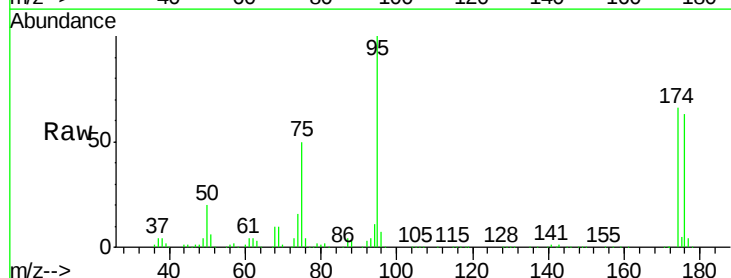
Tgt Ion: 95 Resp: 1470425

Ion Ratio Lower Upper

95 100

174 66.0 52.9 79.3

175 4.9 3.8 5.8



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

16.33

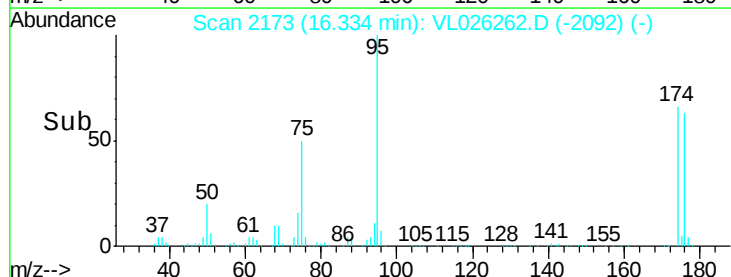
600000

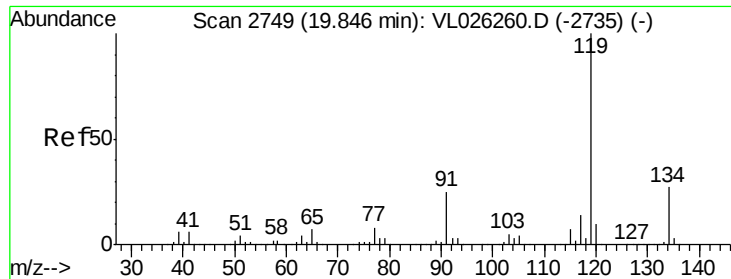
400000

200000

0

Time--> 16.20 16.30 16.40





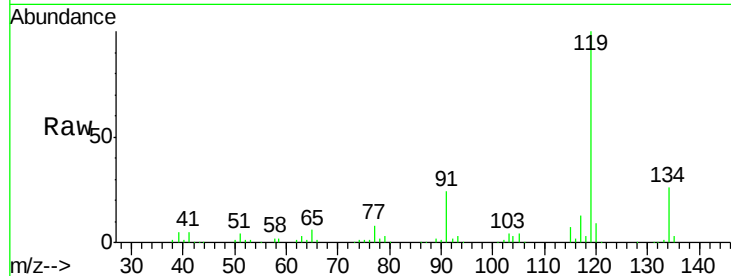
#69
 p-Isopropyltoluene
 Concen: 1.12 ppbv
 RT: 19.83 min Scan# 2747
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

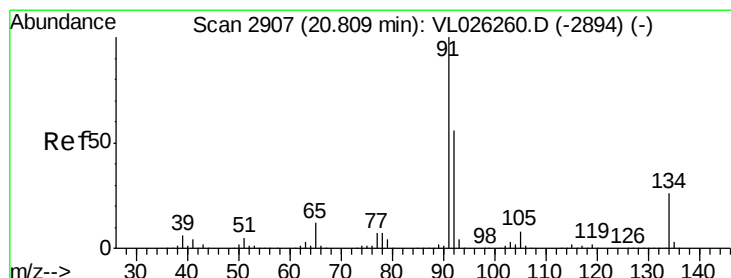
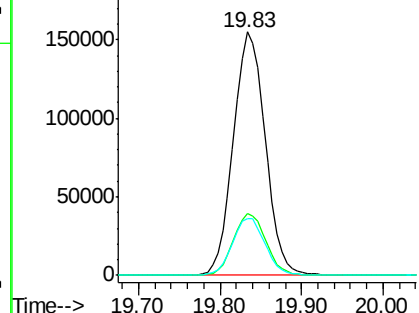
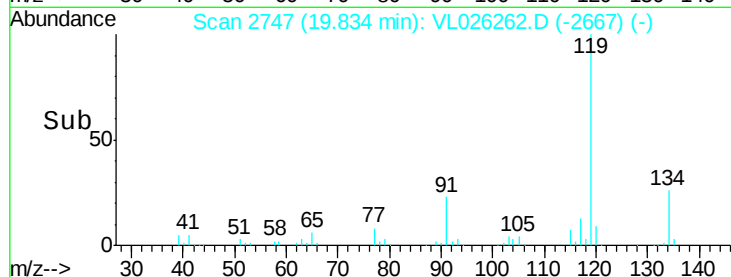
Tot Ion	Ratio	Resp	Lower	Upper
119	100	420377		
134	25.9		21.3	31.9
91	24.0		19.6	29.4

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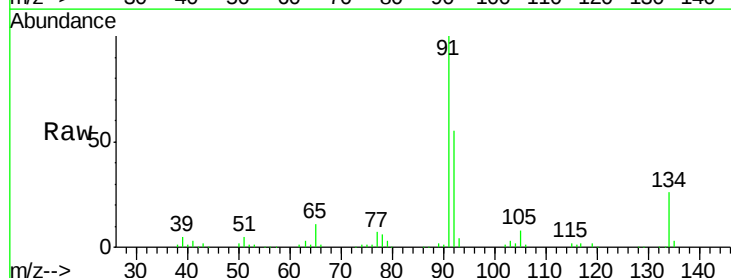


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

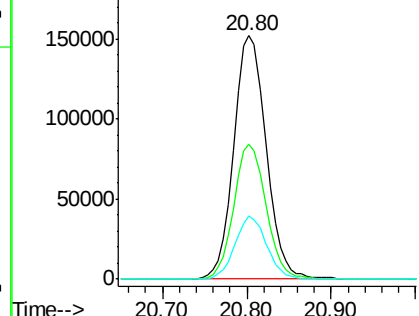
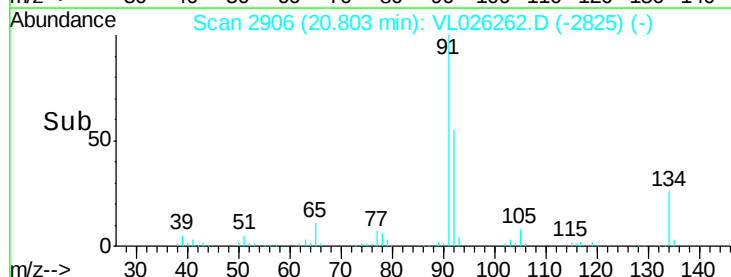


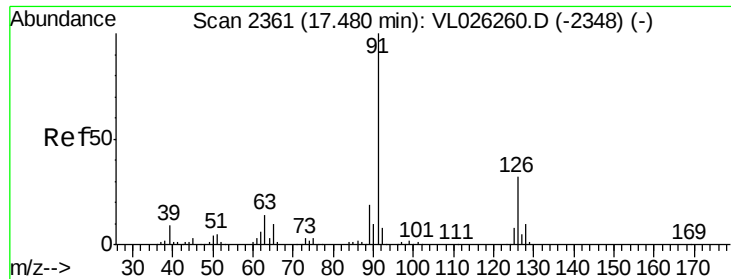
#70
 n-Butylbenzene
 Concen: 1.12 ppbv
 RT: 20.80 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	397115		
92	55.2		44.9	67.3
134	25.0		20.5	30.7



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





#71

2-Chlorotoluene

Concen: 1.10 ppbv

RT: 17.47 min Scan# 2360

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 290259

Ion Ratio Lower Upper

91 100

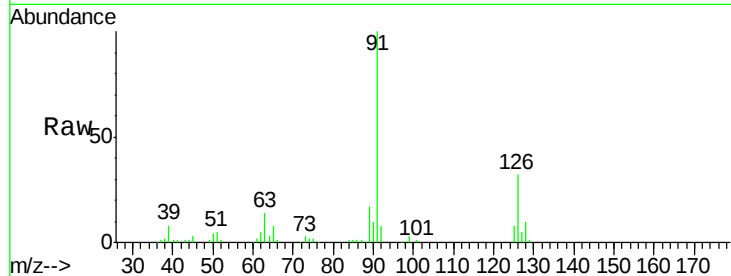
126 31.4 12.8 51.0

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

200000

150000

100000

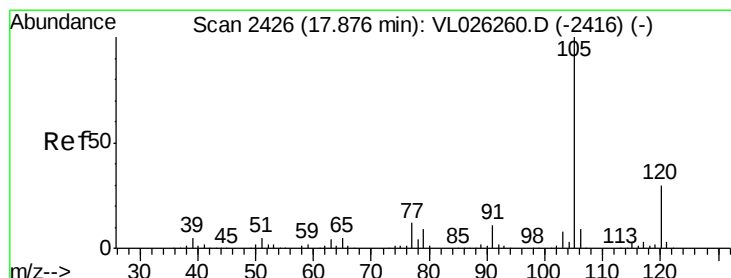
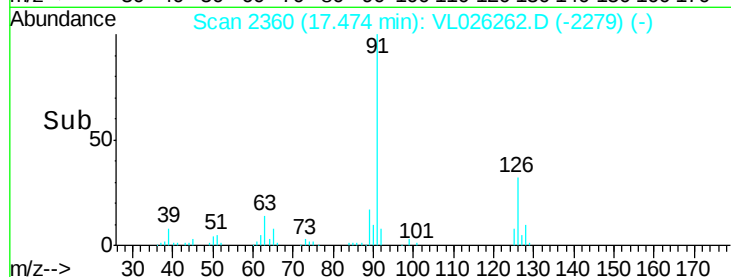
50000

0

17.40

17.50

Time-->



#72

4-Ethyltoluene

Concen: 1.09 ppbv

RT: 17.86 min Scan# 2424

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion: 105 Resp: 324099

Ion Ratio Lower Upper

105 100

120 30.6 25.1 37.7

91 12.2 9.1 13.7

77 11.8 9.7 14.5

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

150000

100000

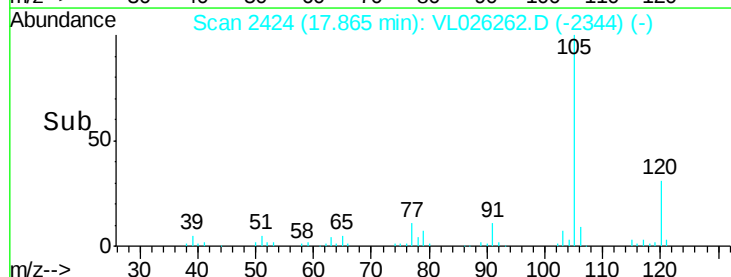
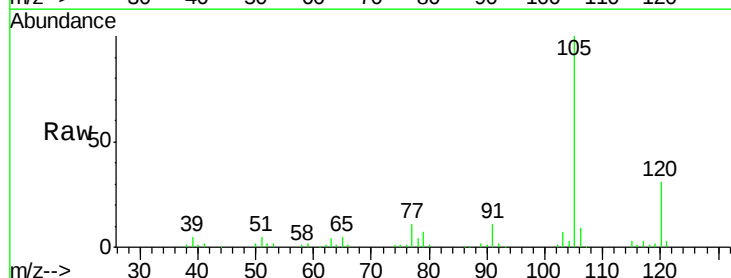
50000

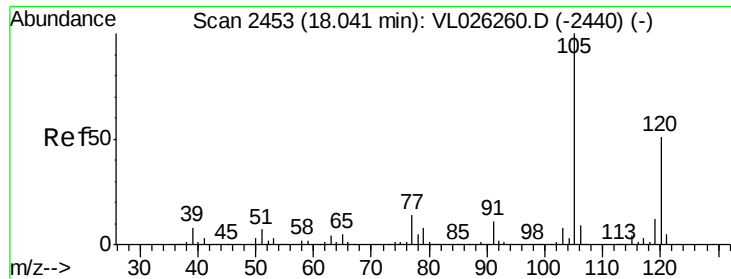
0

17.80

17.90

Time-->





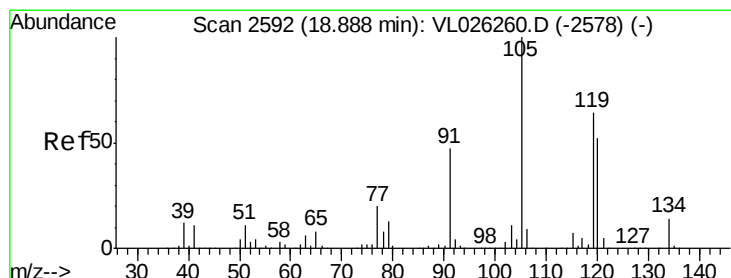
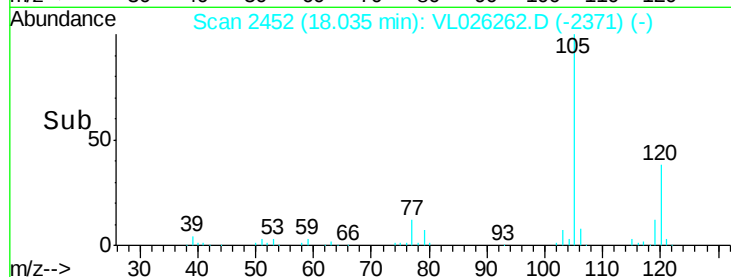
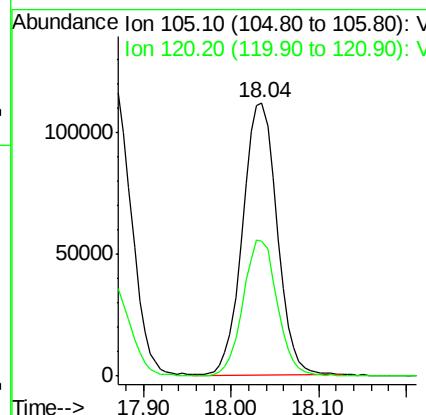
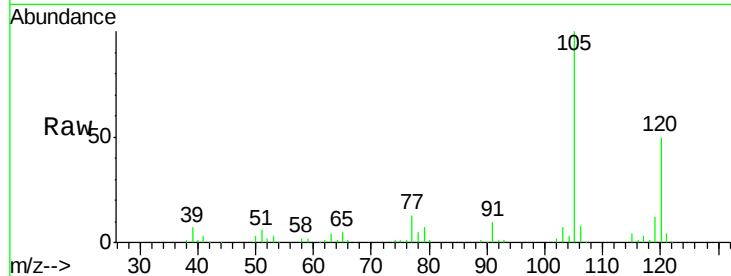
#73
 1,3,5-Trimethylbenzene
 Concen: 1.09 ppbv
 RT: 18.04 min Scan# 2452
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.8	40.6	61.0

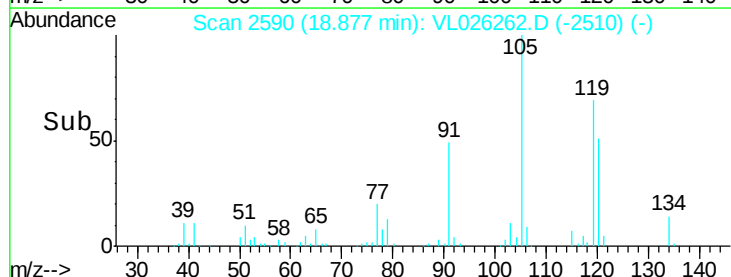
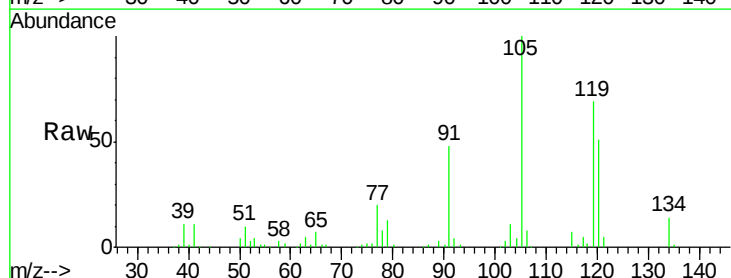
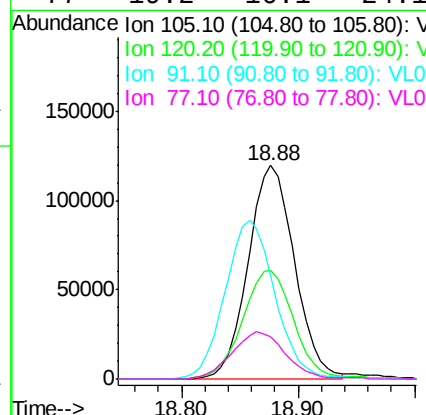
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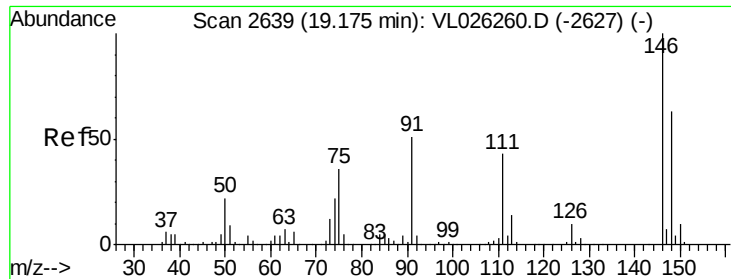
Mmdadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 1.13 ppbv
 RT: 18.88 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.3	41.2	61.8
91	47.5	37.8	56.8
77	19.2	16.1	24.1





#75

1,3-Dichlorobenzene

Concen: 1.11 ppbv

RT: 19.16 min Scan# 2637

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

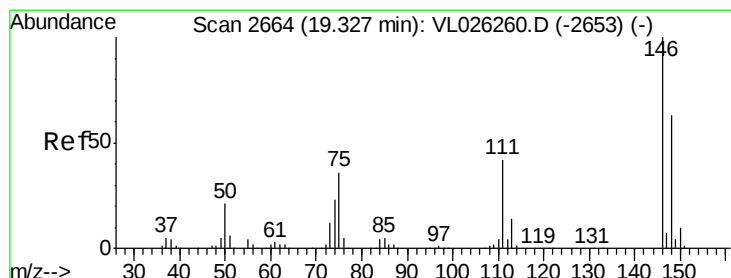
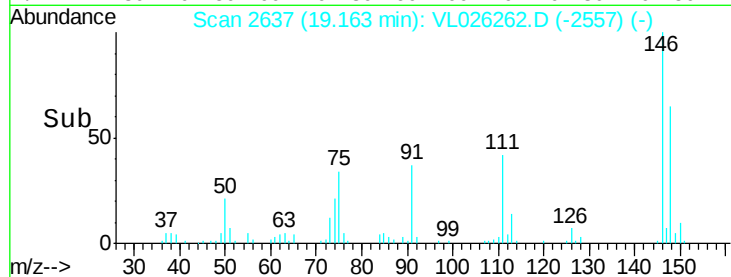
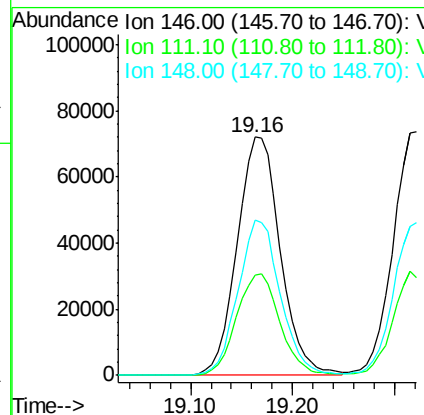
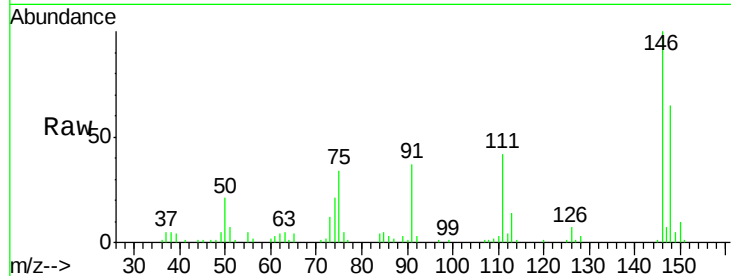
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	211719
Ion Ratio	Lower	Upper	
146	100		
111	42.8	21.9	65.5
148	63.9	31.8	95.3

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 1.08 ppbv

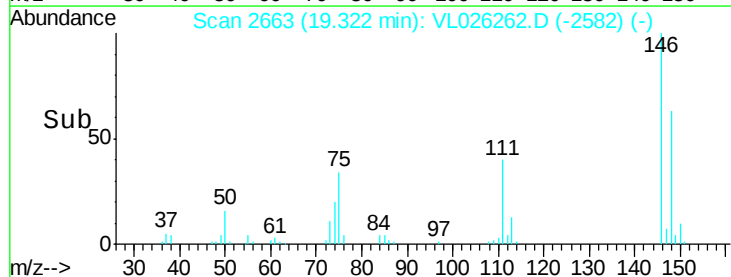
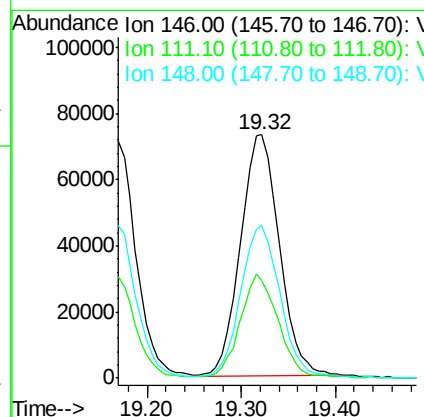
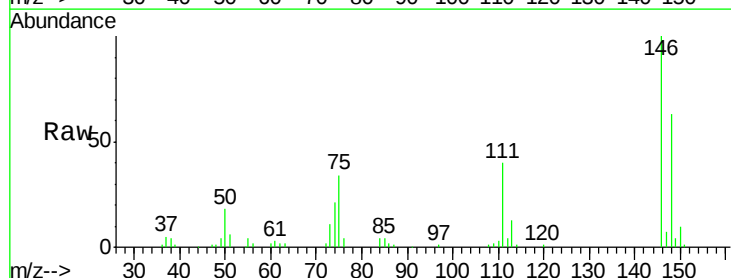
RT: 19.32 min Scan# 2663

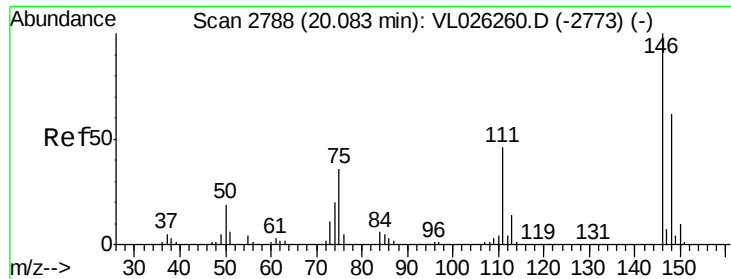
Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	146	Resp:	210862
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.1	63.4
148	64.9	31.8	95.3





#77

1,2-Dichlorobenzene

Concen: 1.11 ppbv

RT: 20.07 min Scan# 2786

Delta R.T. -0.01 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

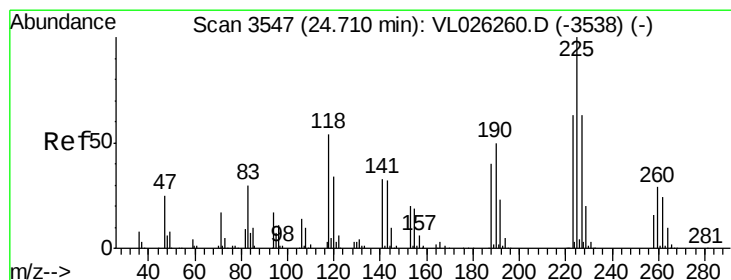
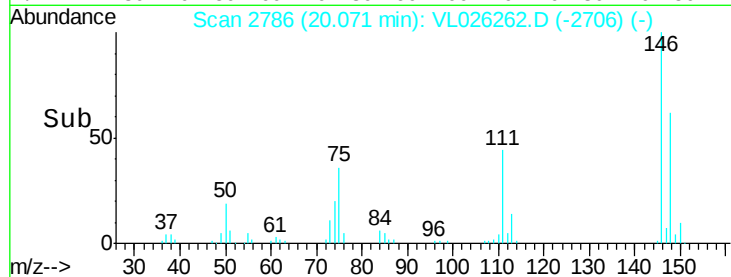
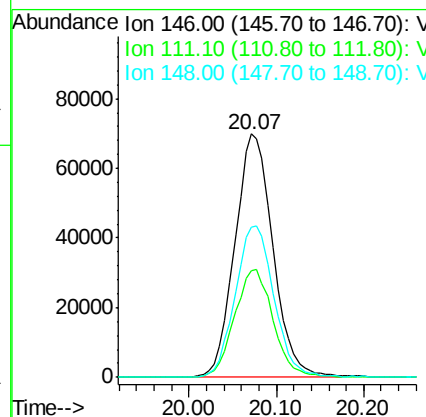
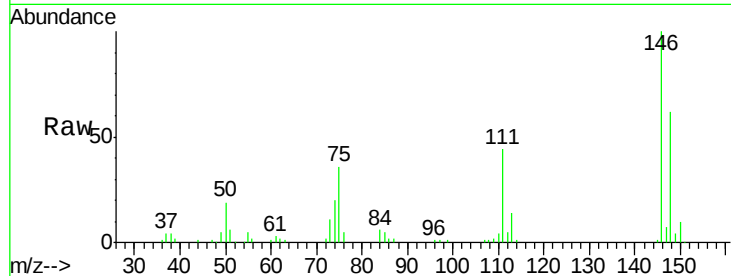
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	211272
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.8	68.3
148	63.5	31.6	94.8

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#78

Hexachloro-1,3-Butadiene

Concen: 1.13 ppbv

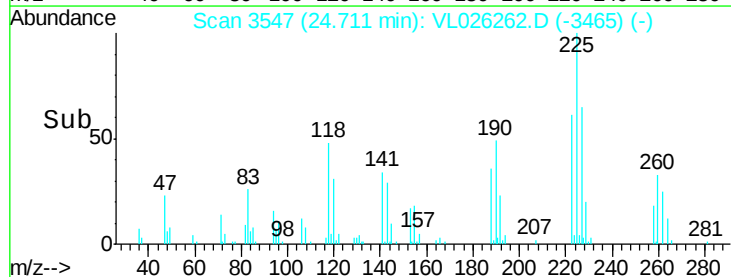
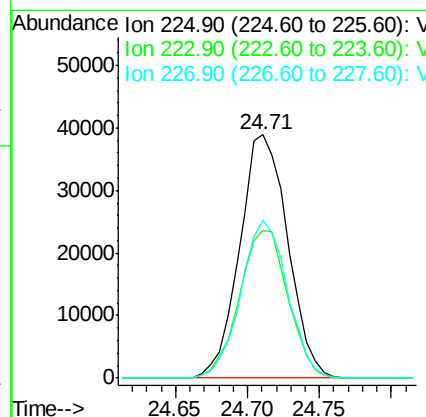
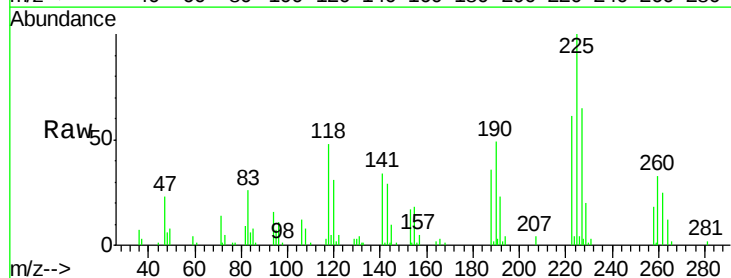
RT: 24.71 min Scan# 3547

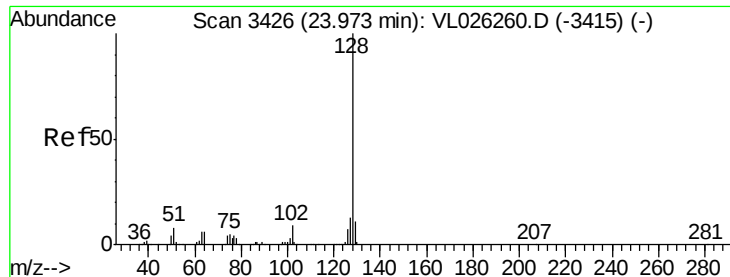
Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Tgt Ion:	225	Resp:	90137
Ion Ratio	Lower	Upper	
225	100		
223	61.5	51.0	76.6
227	62.6	51.3	76.9





#79

Naphthalene

Concen: 1.03 ppbv

RT: 23.97 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VL026262.D

Acq: 29 Oct 2015 10:41

Instrument :

MSVOA_L

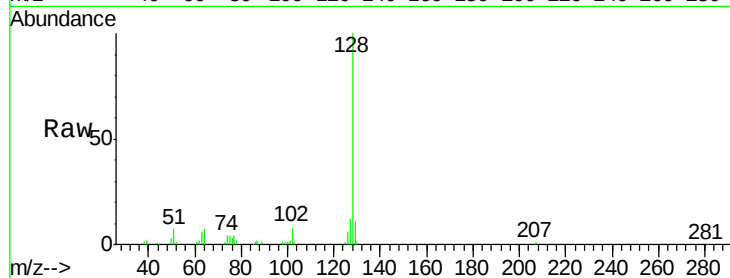
ClientSampleId :

VSTDIC001

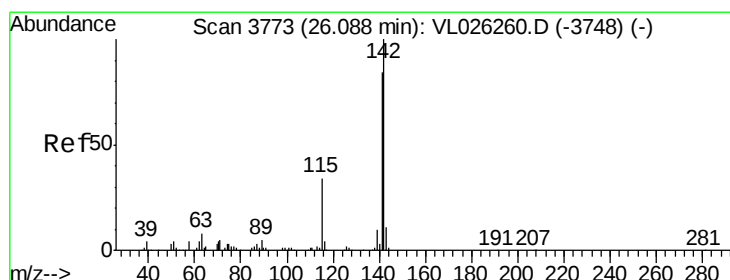
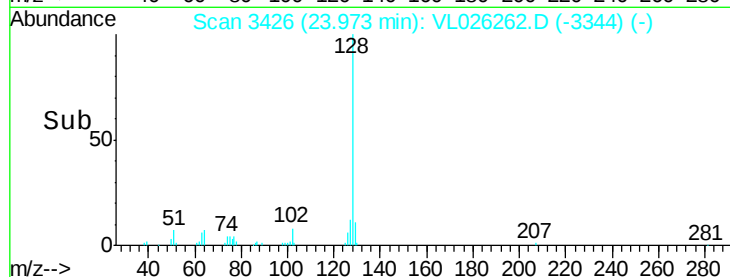
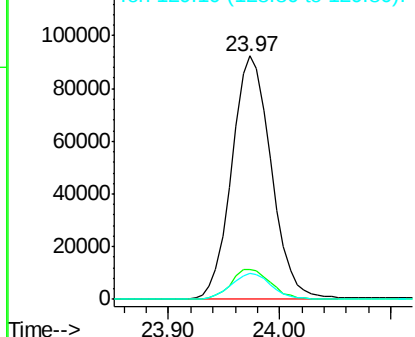
Tot Ion:	128	Resp:	227615
Ion Ratio		Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.8	8.8	13.2

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



#80

Naphthalene, 2-methyl-

Concen: 1.01 ppbv

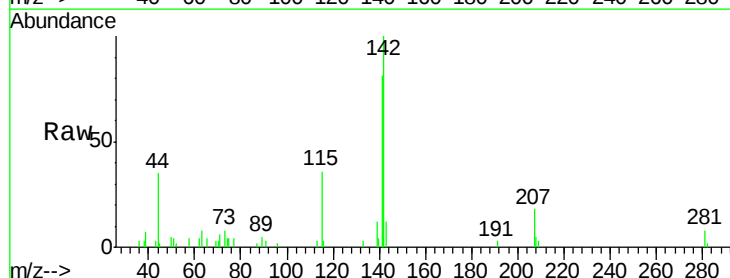
RT: 26.09 min Scan# 3774

Delta R.T. 0.01 min

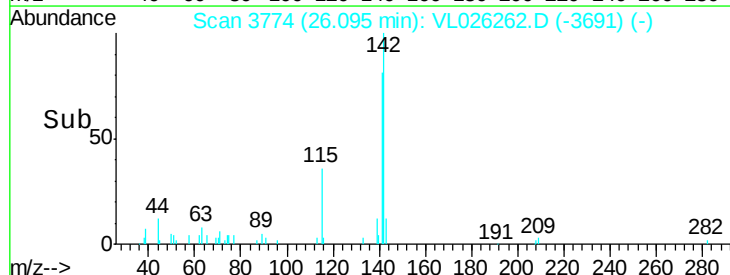
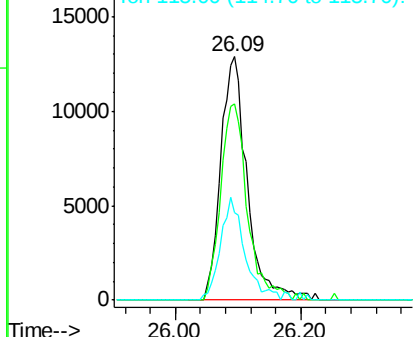
Lab File: VL026262.D

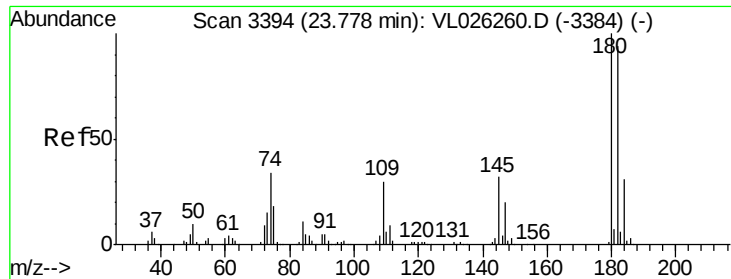
Acq: 29 Oct 2015 10:41

Tgt Ion:	142	Resp:	37618
Ion Ratio		Lower	Upper
142	100		
141	81.7	66.1	99.1
115	39.3	28.1	42.1



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





#81
 1,2,4-Trichlorobenzene
 Concen: 1.08 ppbv
 RT: 23.77 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL026262.D
 Acq: 29 Oct 2015 10:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	116811
Ion Ratio	Lower	Upper	
180	100		
182	96.3	76.0	114.0
184	28.4	24.2	36.4

Manual Integrations
 APPROVED

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