

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046779.D
 Acq On : 18 Sep 2015 12:22
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:32 AM

Quant Time: Sep 18 14:34:15 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:41:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	204989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	261002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	246886	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	128367	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	22118	10.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.92%	
35) Dibromofluoromethane	6.21	113	19778	9.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.14%	
50) Toluene-d8	9.62	98	61277	9.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.08%	
62) 4-Bromofluorobenzene	12.85	95	25330	11.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.42	85	23460	9.94	ug/l	96
3) Chlorodifluoromethane	1.43	51	18862	9.05	ug/l #	92
4) Chloromethane	1.58	50	12974	9.07	ug/l	98
5) Vinyl Chloride	1.68	62	11966	9.30	ug/l	91
6) Bromomethane	1.97	94	12865	11.33	ug/l	92
7) Chloroethane	2.08	64	7343	9.65	ug/l	99
8) Trichlorofluoromethane	2.33	101	37291	11.57	ug/l	92
9) Diethyl Ether	2.64	74	6175	9.22	ug/l	89
10) 1,1,2-Trichlorotrifluoroet	2.89	101	22457	10.14	ug/l	94
11) Methyl Iodide	3.05	142	19184	7.43	ug/l #	84
12) Tert butyl alcohol	3.66	59	6334	124.07	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	17093	9.42	ug/l	98
14) Acrolein	2.78	56	5187	47.77	ug/l	86
15) Allyl chloride	3.34	41	33586	8.56	ug/l #	82
16) Acrylonitrile	3.85	53	12653	44.21	ug/l	95
17) Acetone	2.94	43	17848	45.56	ug/l #	91
18) Carbon Disulfide	3.13	76	65755	9.08	ug/l	100
19) Methyl Acetate	3.34	43	22462	9.56	ug/l	95
20) Methyl tert-butyl Ether	3.91	73	24474	8.92	ug/l	96
21) Methylene Chloride	3.50	84	21895	10.36	ug/l	94
22) trans-1,2-Dichloroethene	3.90	96	19466	9.40	ug/l	86
23) Diisopropyl ether	4.66	45	56352	8.61	ug/l #	85
24) Vinyl Acetate	4.61	43	47490	36.35	ug/l	100
25) 1,1-Dichloroethane	4.56	63	36616	9.70	ug/l	98
26) 2-Butanone	5.45	43	21486	46.85	ug/l	96
27) 2,2-Dichloropropane	5.42	77	37797	10.70	ug/l	98
28) cis-1,2-Dichloroethene	5.43	96	19158	9.04	ug/l	96
29) Bromochloromethane	5.79	49	15145	10.14	ug/l	100
30) Chloroform	5.98	83	44938	10.55	ug/l	97
31) Cyclohexane	6.28	56	33973	9.21	ug/l #	81
32) 1,1,1-Trichloroethane	6.18	97	38873	10.71	ug/l	94
36) 1,1-Dichloropropene	6.43	75	32171	9.99	ug/l	98
37) Ethyl Acetate	5.55	43	11200	11.33	ug/l	96
38) Carbon Tetrachloride	6.42	117	35053	11.49	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	30133	8.79	ug/l	98
40) Benzene	6.72	78	85580	10.43	ug/l	99
41) Methacrylonitrile	5.76	41	5360	8.54	ug/l #	94
42) 1,2-Dichloroethane	6.83	62	26448	11.09	ug/l	97
43) Isopropyl Acetate	8.41	43	11440	8.19	ug/l #	96
44) Trichloroethene	7.75	130	21079	10.02	ug/l	89
45) 1,2-Dichloropropane	8.15	63	20536	9.99	ug/l	100
46) Dibromomethane	8.27	93	11486	10.72	ug/l	99
47) Bromodichloromethane	8.57	83	30094	10.61	ug/l #	92
48) Methyl methacrylate	8.09	41	19136	8.75	ug/l #	85
49) 1,4-Dioxane	8.30	88	1302	183.75	ug/l #	78
51) 4-Methyl-2-Pentanone	9.49	43	42980	44.11	ug/l	97
52) Toluene	9.72	92	48935	10.00	ug/l	98
53) t-1,3-Dichloropropene	10.13	75	19919	9.28	ug/l	99
54) cis-1,3-Dichloropropene	9.23	75	27473	9.70	ug/l	97
55) 1,1,2-Trichloroethane	10.39	97	12805	11.03	ug/l	95
56) Ethyl methacrylate	10.25	69	9737	8.72	ug/l	99
57) 1,3-Dichloropropane	10.61	76	23726	10.65	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.03	63	23206m	37.67	ug/l	
59) 2-Hexanone	10.72	43	30501	43.93	ug/l	91
60) Dibromochloromethane	10.89	129	17011	10.52	ug/l	91
61) 1,2-Dibromoethane	11.01	107	12538	11.09	ug/l	98
64) Tetrachloroethene	10.47	164	21050	9.53	ug/l	94
65) Chlorobenzene	11.61	112	54020	9.96	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	19694	9.78	ug/l	94
67) Ethyl Benzene	11.73	91	104397	9.43	ug/l	99
68) m/p-Xylenes	11.88	106	66226	19.13	ug/l	96
69) o-Xylene	12.30	106	29049	9.42	ug/l	95
70) Styrene	12.32	104	51568	9.82	ug/l	96
71) Bromoform	12.50	173	9553	9.54	ug/l	92
73) Isopropylbenzene	12.67	105	88527	8.93	ug/l	95
74) N-amyl acetate	12.50	43	17354	7.90	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.99	83	15316	10.34	ug/l	99
76) 1,2,3-Trichloropropane	13.03	75	15493	9.67	ug/l	92
77) Bromobenzene	12.98	156	23036	9.42	ug/l	81
78) n-propylbenzene	13.08	91	128848	9.39	ug/l	97
79) 2-Chlorotoluene	13.16	91	74226	9.81	ug/l	97
80) 1,3,5-Trimethylbenzene	13.25	105	72219	9.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	3477	8.50	ug/l	97
82) 4-Chlorotoluene	13.28	91	88883	10.04	ug/l	96
83) tert-Butylbenzene	13.54	119	66946m	10.32	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	75083	9.74	ug/l	99
85) sec-Butylbenzene	13.73	105	96202	9.62	ug/l	92
86) p-Isopropyltoluene	13.87	119	75660	9.62	ug/l	97
87) 1,3-Dichlorobenzene	13.84	146	44001	9.97	ug/l	95
88) 1,4-Dichlorobenzene	13.94	146	43469	9.96	ug/l	93
89) n-Butylbenzene	14.22	91	85316	9.73	ug/l	96
90) Hexachloroethane	14.48	117	18260	10.39	ug/l	98
91) 1,2-Dichlorobenzene	14.25	146	36929	10.23	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.89	75	2017	11.05	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	19771	9.22	ug/l	94
94) Hexachlorobutadiene	15.70	225	17198	9.85	ug/l	99
95) Naphthalene	15.82	128	20303	8.17	ug/l	98
96) 1,2,3-Trichlorobenzene	16.02	180	16391	9.21	ug/l	89

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

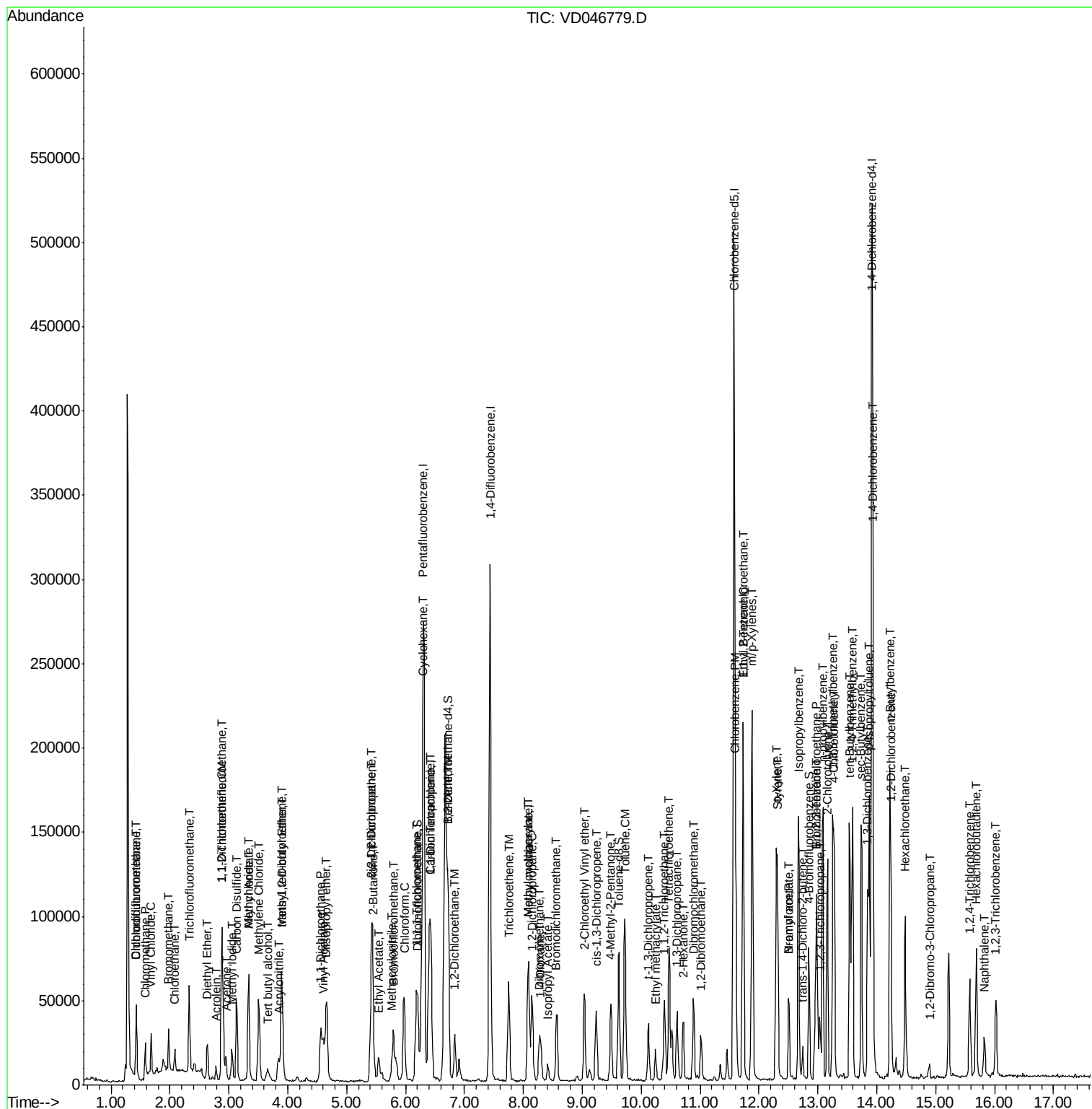
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Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\  
Data File : VD046779.D  
Acq On    : 18 Sep 2015   12:22  
Operator  : FY/SY  
Sample    : VSTDICC010  
Misc      : 5.00gm/5mL/MSVOA_D/SOIL  
ALS Vial  : 3      Sample Multiplier: 1
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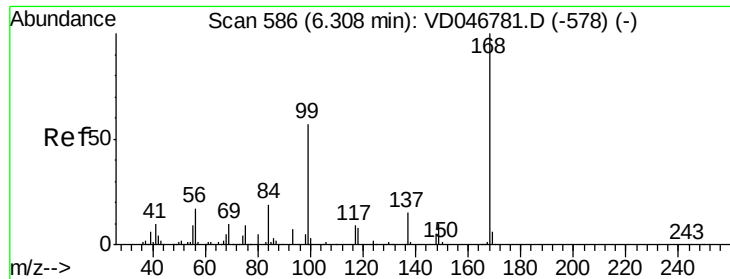
Instrument :
MSVOA_D
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Manual Integrations APPROVED

MMDadoda
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion:168 Resp: 204989

Ion Ratio Lower Upper

168 100

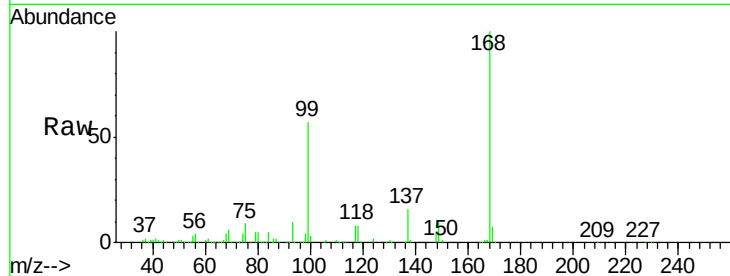
99 57.2 42.4 63.6

Manual Integrations

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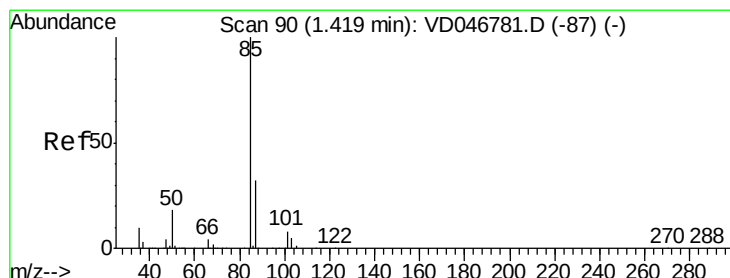
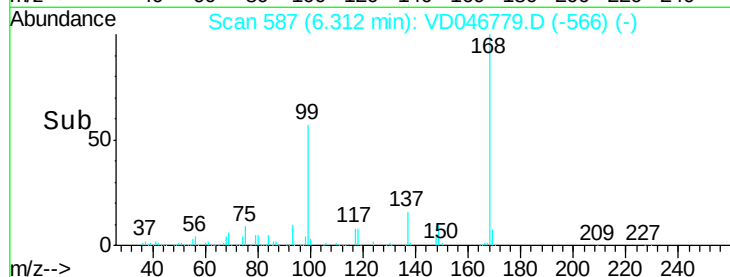
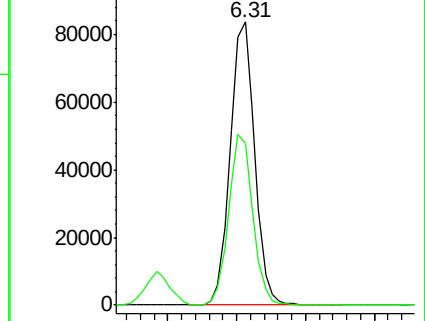
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 9.94 ug/l

RT: 1.42 min Scan# 91

Delta R.T. 0.00 min

Lab File: VD046779.D

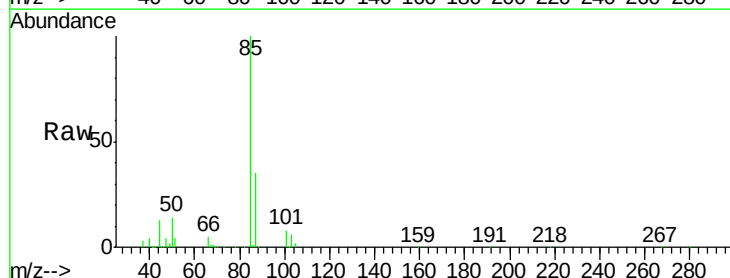
Acq: 18 Sep 2015 12:22

Tgt Ion: 85 Resp: 23460

Ion Ratio Lower Upper

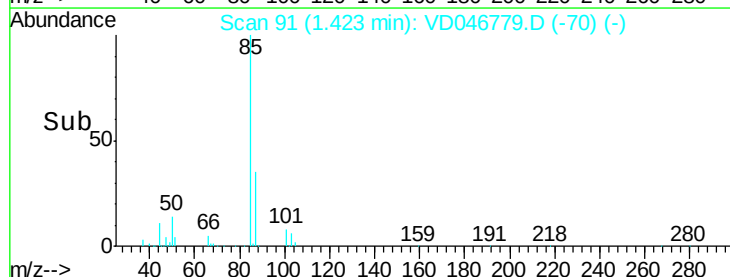
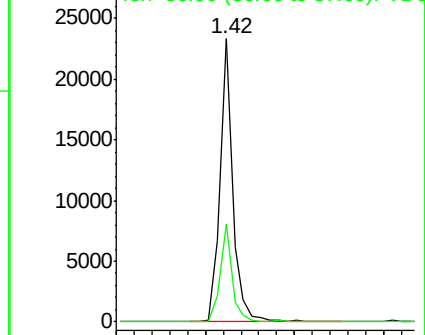
85 100

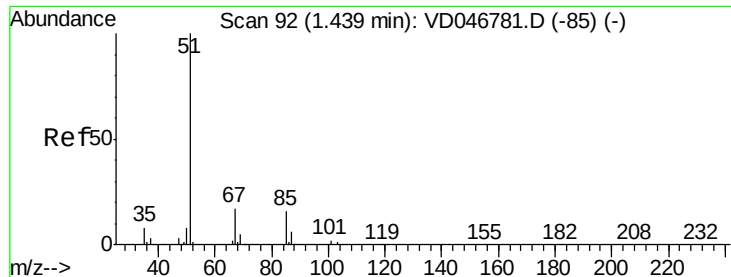
87 34.6 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 9.05 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 51 Resp: 18862

Ion Ratio Lower Upper

51 100

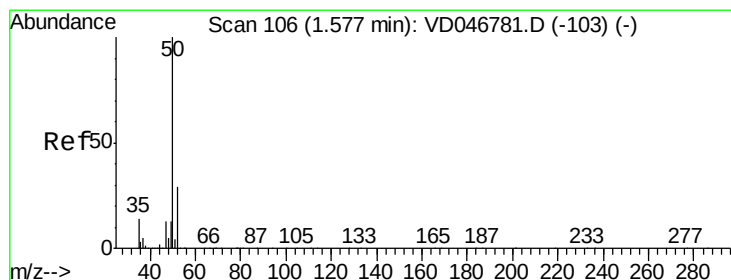
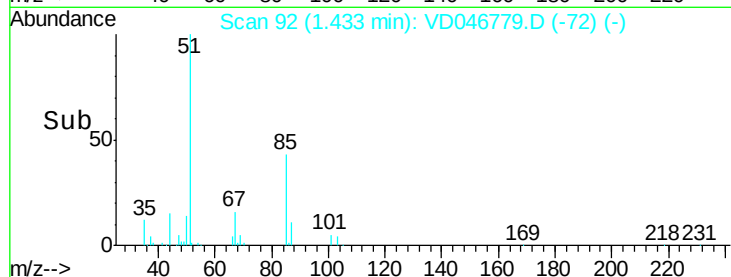
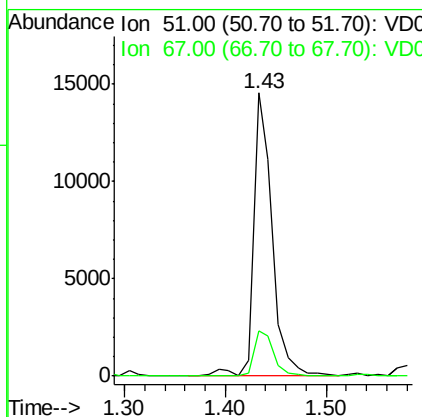
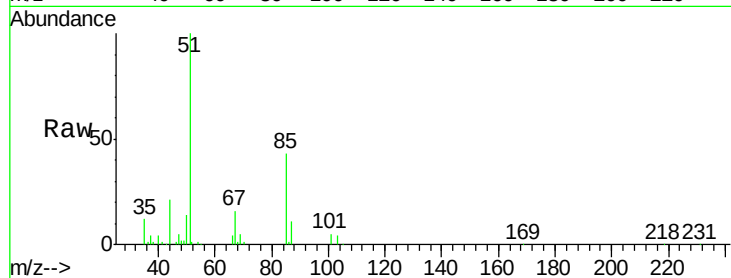
67 16.8 10.9 16.3#

Manual Integrations

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#4

Chloromethane

Concen: 9.07 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046779.D

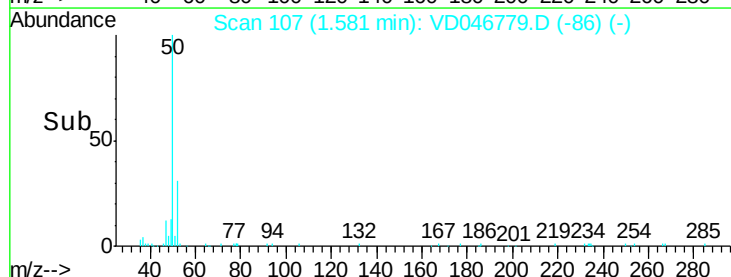
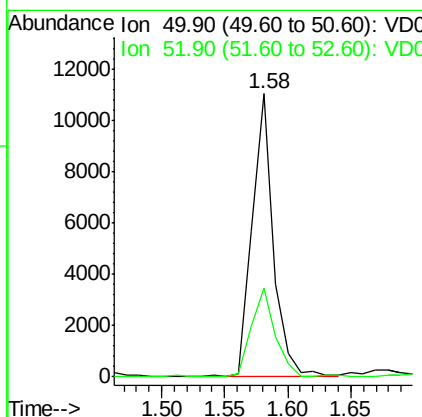
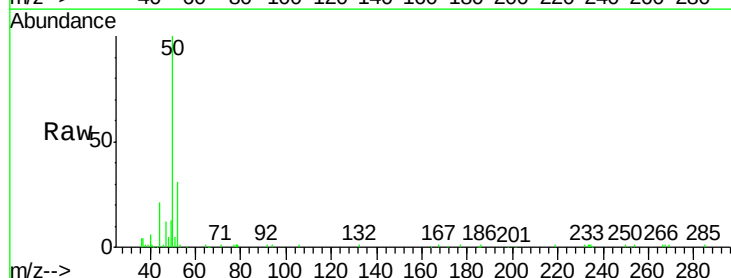
Acq: 18 Sep 2015 12:22

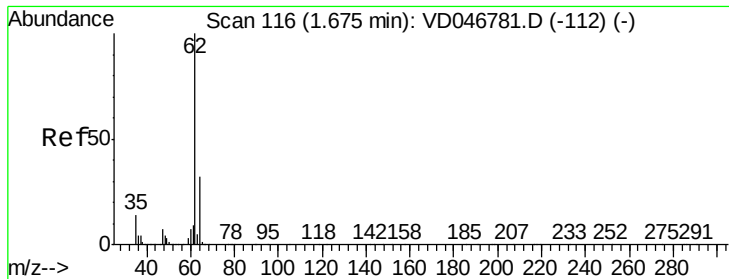
Tgt Ion: 50 Resp: 12974

Ion Ratio Lower Upper

50 100

52 31.4 26.2 39.2





#5

Vinyl Chloride

Concen: 9.30 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 62 Resp: 11966

Ion Ratio Lower Upper

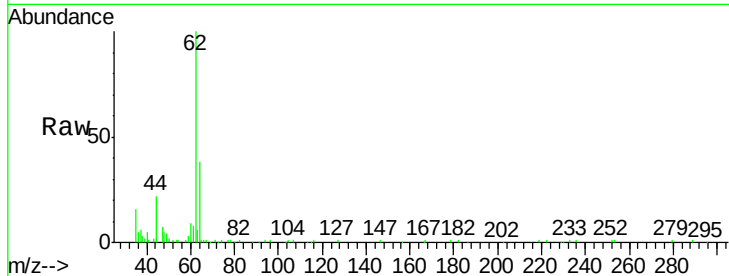
62 100

64 38.0 26.4 39.6

Manual Integrations
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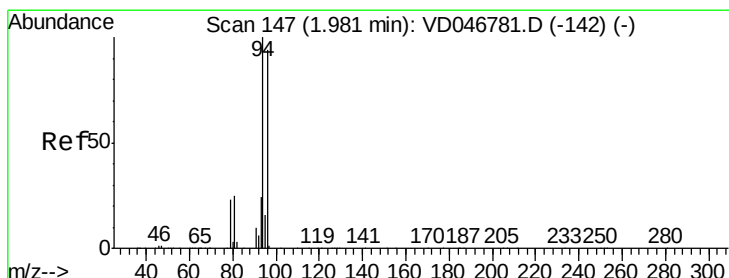
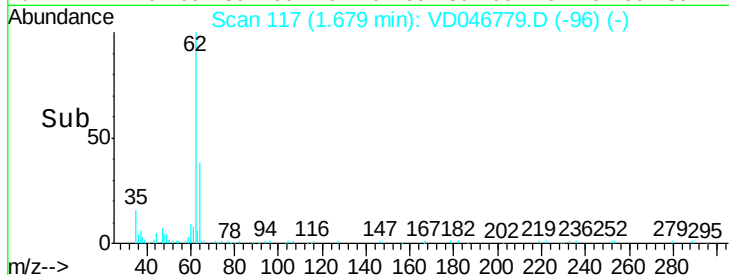
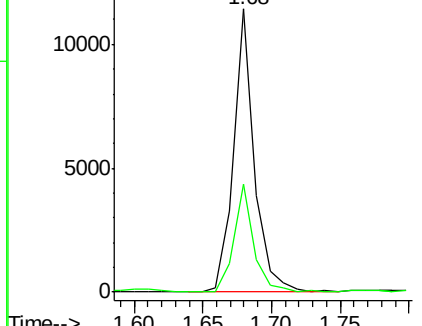
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Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 11.33 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD046779.D

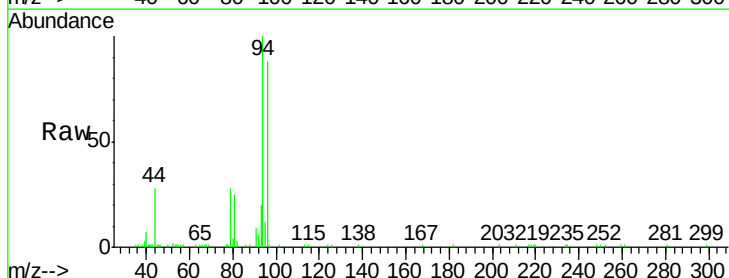
Acq: 18 Sep 2015 12:22

Tgt Ion: 94 Resp: 12865

Ion Ratio Lower Upper

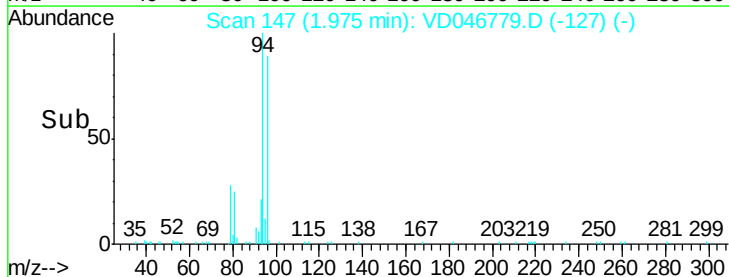
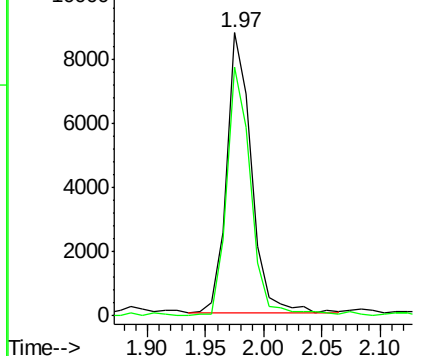
94 100

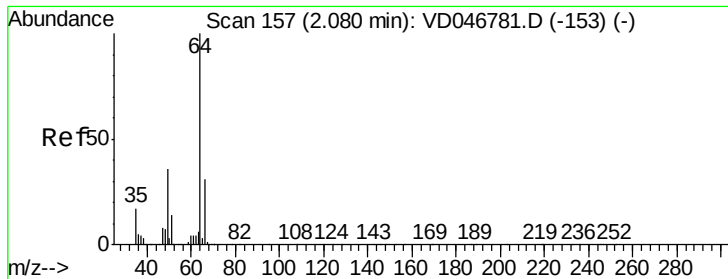
96 87.7 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 9.65 ug/l

RT: 2.08 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 64 Resp: 7343

Ion Ratio Lower Upper

64 100

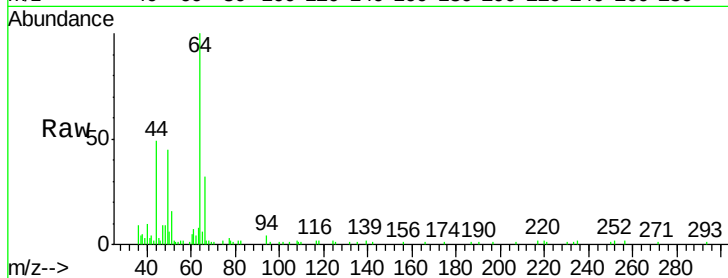
66 32.4 26.6 39.8

Manual Integrations

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MMDadoda

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Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.08

5000

4000

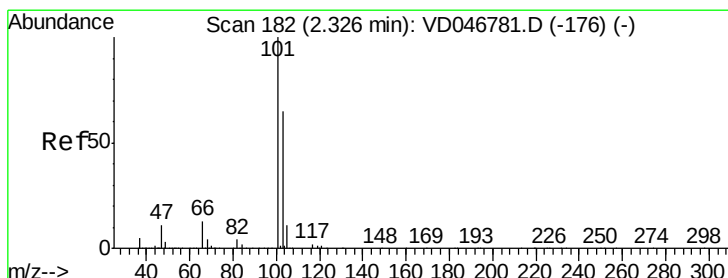
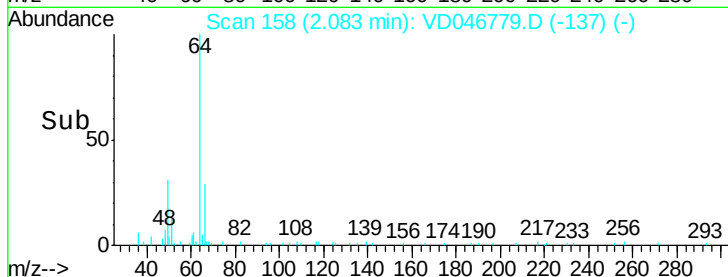
3000

2000

1000

0

Time-->



#8

Trichlorofluoromethane

Concen: 11.57 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD046779.D

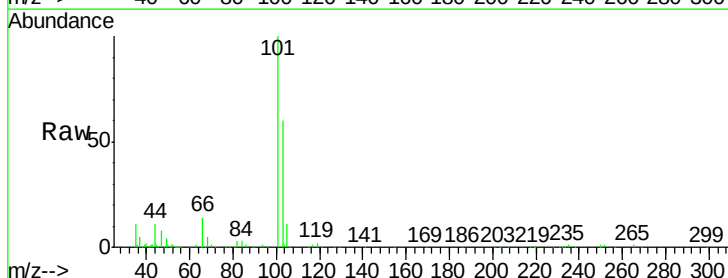
Acq: 18 Sep 2015 12:22

Tgt Ion: 101 Resp: 37291

Ion Ratio Lower Upper

101 100

103 59.8 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.33

25000

20000

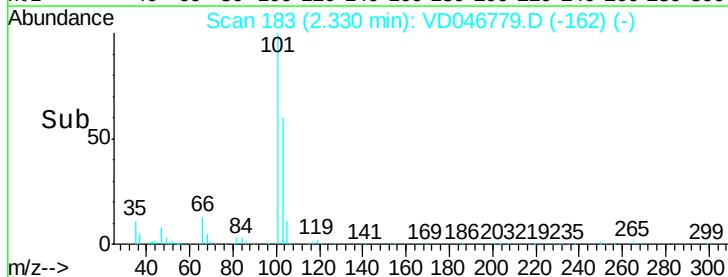
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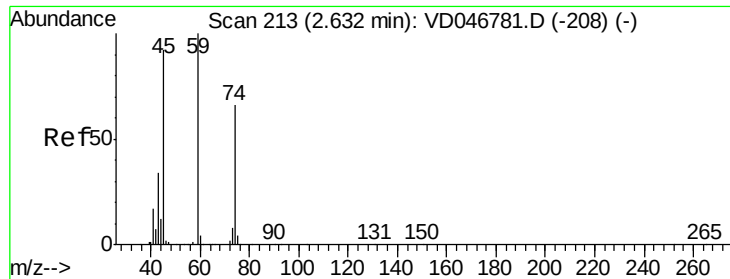
10000

5000

0

Time-->





#9

Diethyl Ether

Concen: 9.22 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 74 Resp: 6175

Ion Ratio Lower Upper

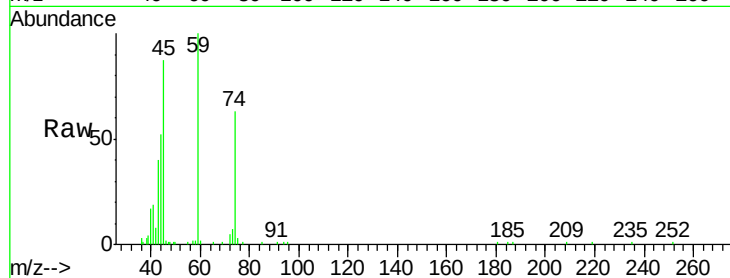
74 100

45 138.7 76.2 228.6

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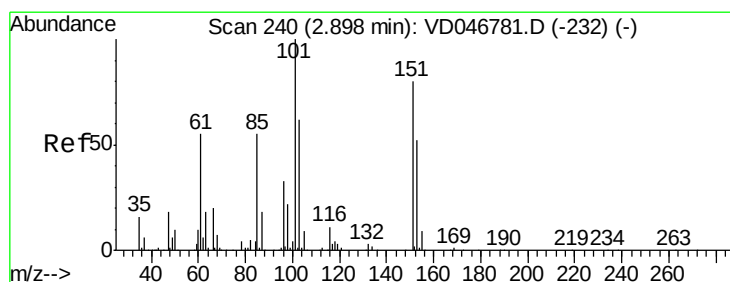
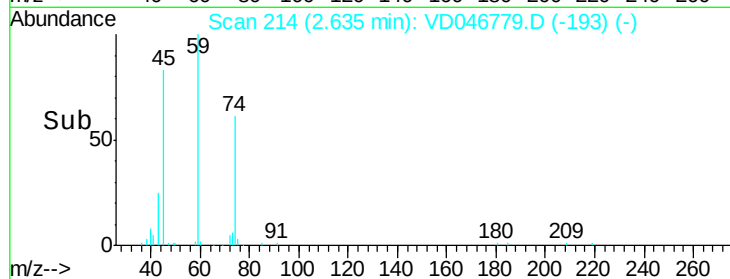
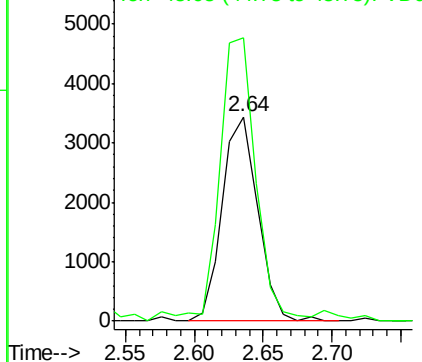
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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 10.14 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

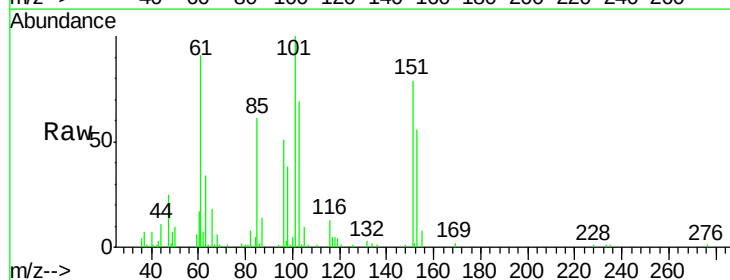
Tgt Ion: 101 Resp: 22457

Ion Ratio Lower Upper

101 100

85 60.8 42.0 63.0

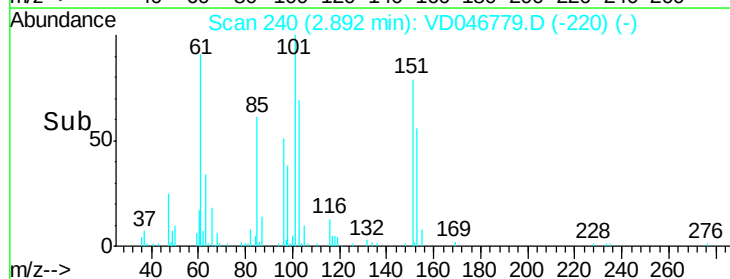
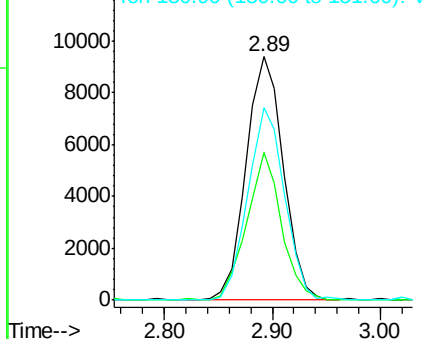
151 78.8 65.2 97.8

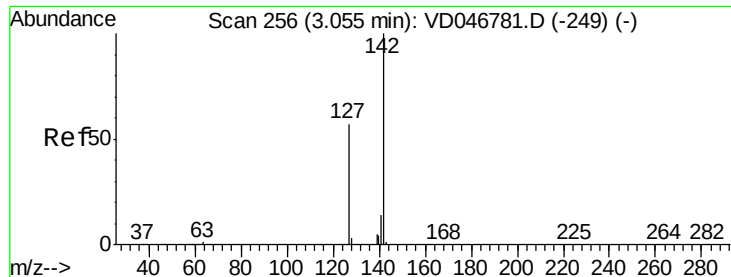


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





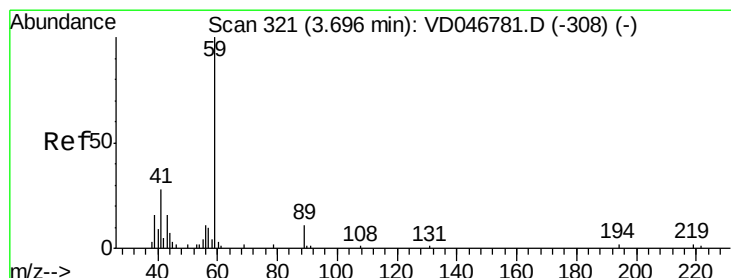
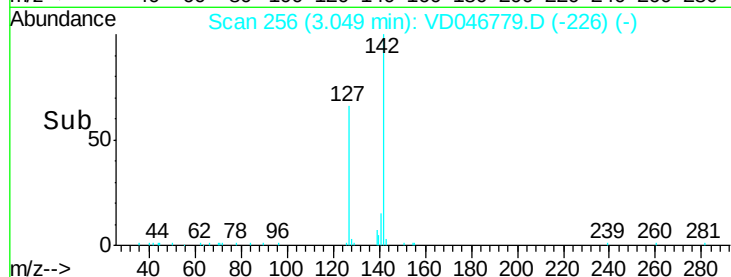
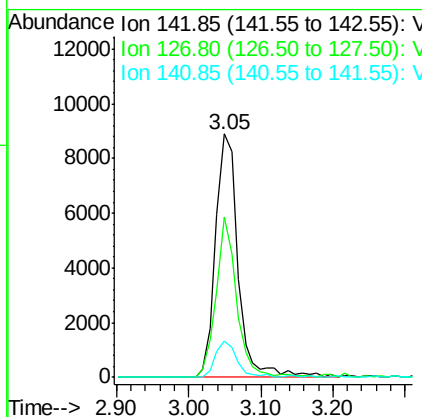
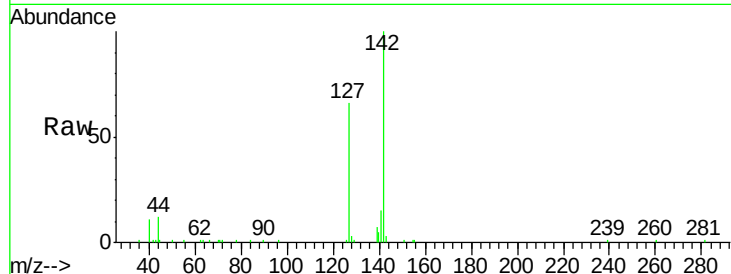
#11
Methyl Iodide
Concen: 7.43 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
142	100		
127	66.1	41.2	61.8#
141	14.7	11.6	17.4

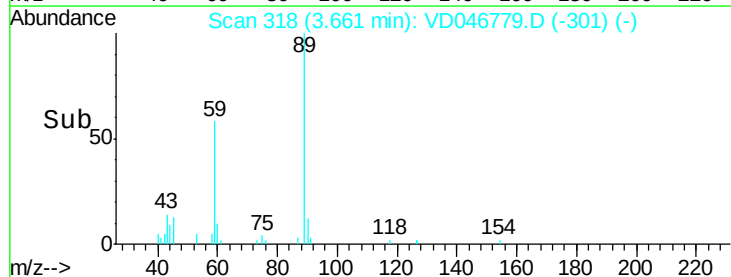
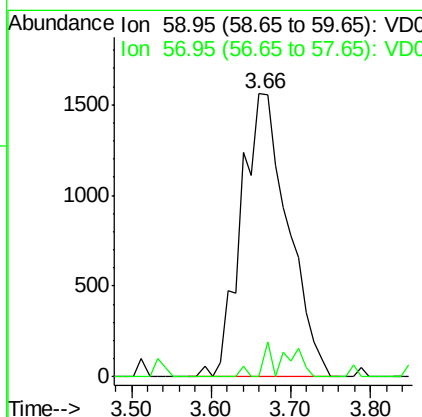
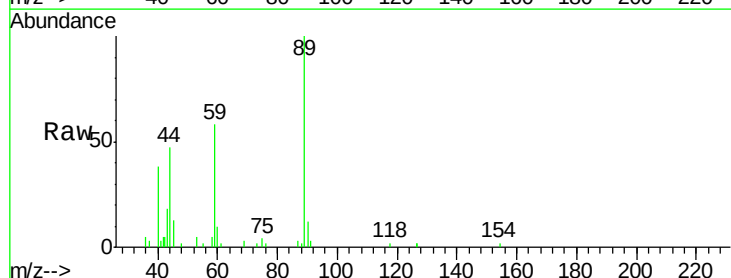
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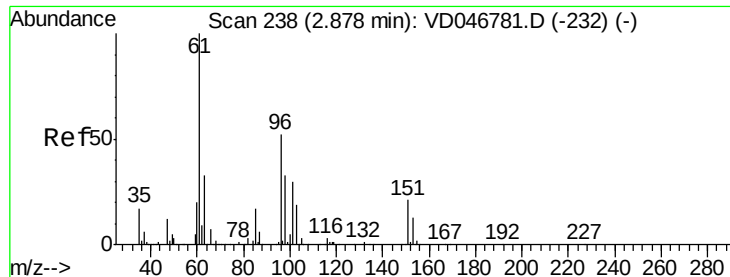
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#12
Tert butyl alcohol
Concen: 124.07 ug/l
RT: 3.66 min Scan# 318
Delta R.T. -0.04 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.6#





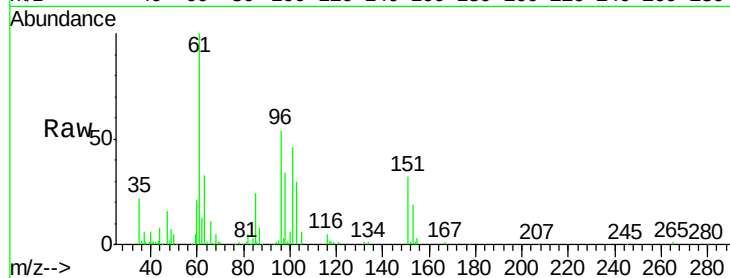
#13
 1,1-Dichloroethene
 Concen: 9.42 ug/l
 RT: 2.88 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

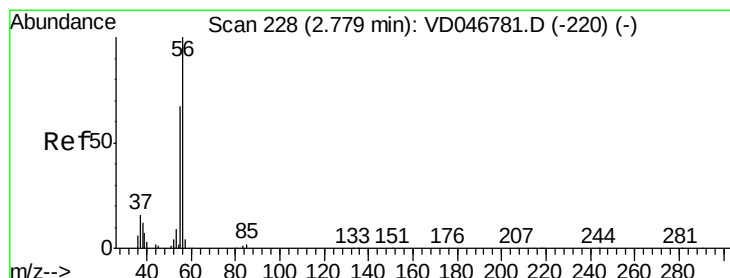
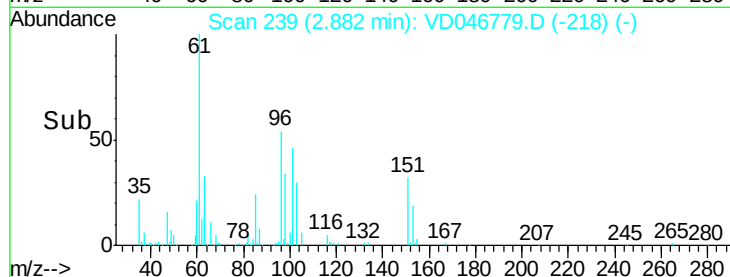
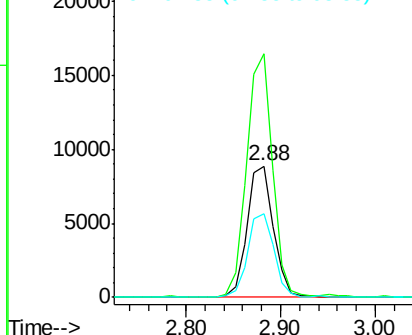
Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.9	152.2	228.4
98	63.4	51.2	76.8

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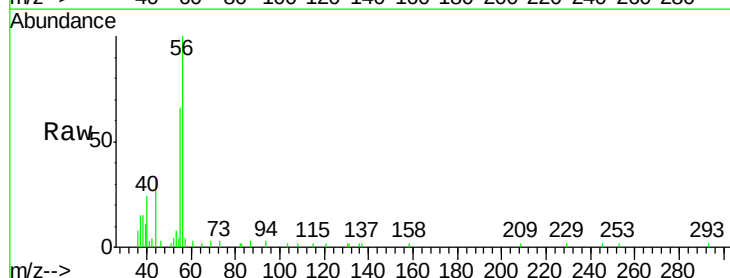


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

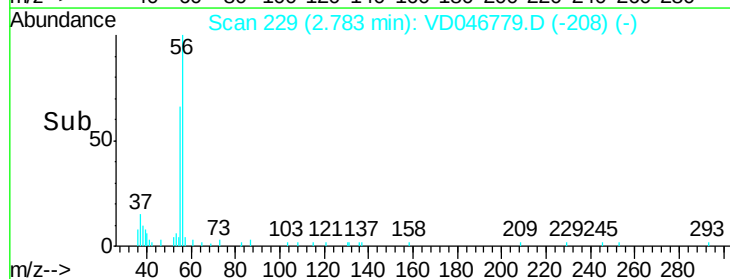
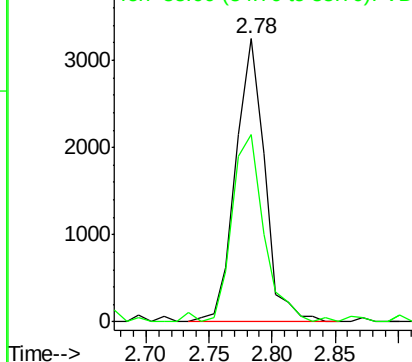


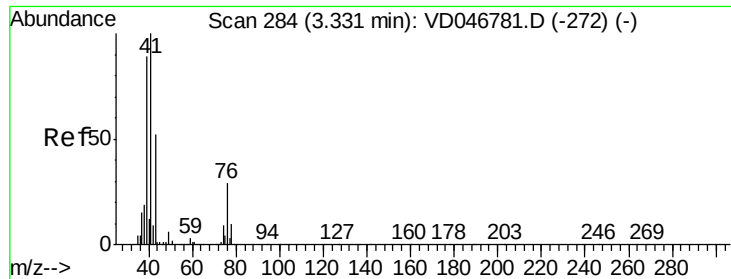
#14
 Acrolein
 Concen: 47.77 ug/l
 RT: 2.78 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
56	100		
55	66.4	62.6	93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





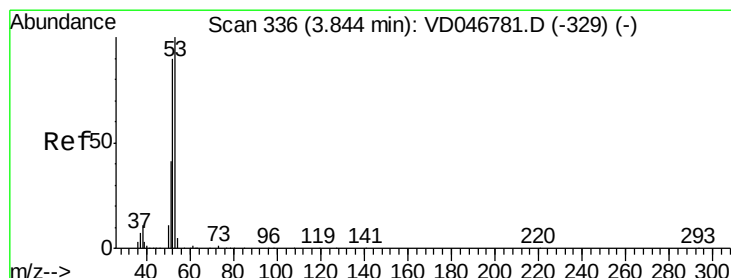
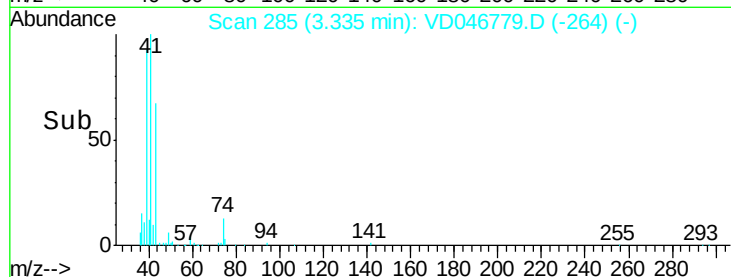
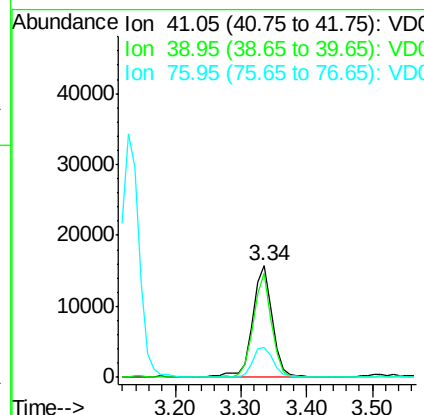
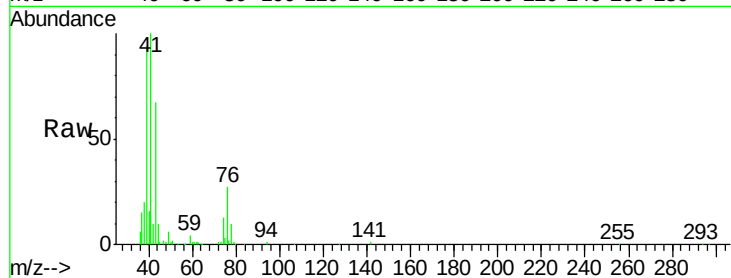
#15
 Allyl chloride
 Concen: 8.56 ug/l
 RT: 3.34 min Scan# 285
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
41	100		
39	93.6	58.8	88.2#
76	26.9	22.7	34.1

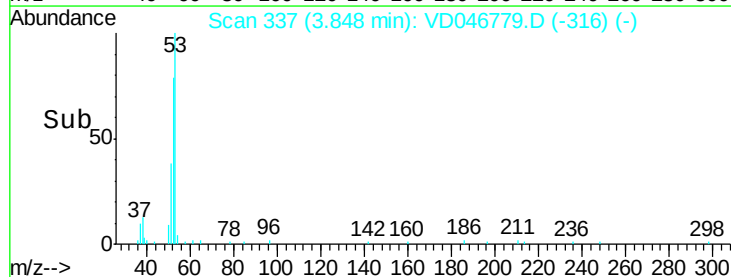
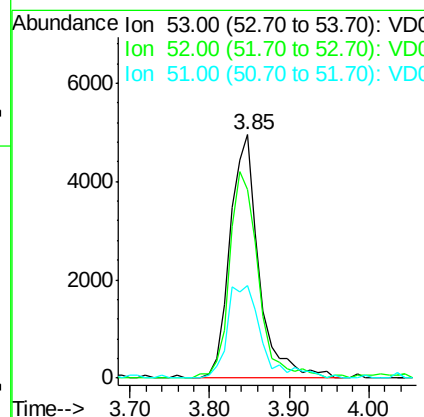
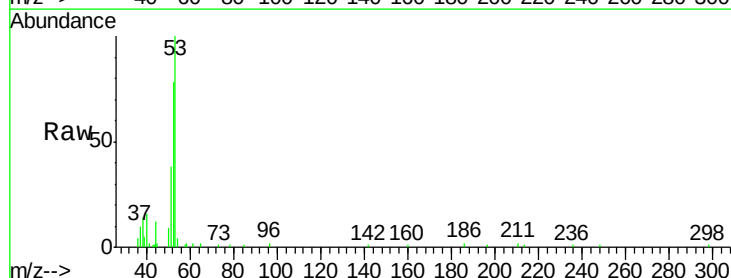
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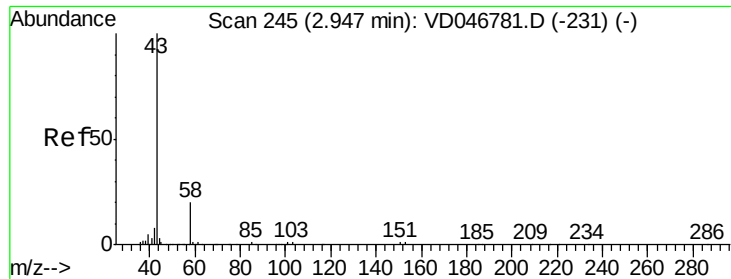
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#16
 Acrylonitrile
 Concen: 44.21 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
53	100		
52	77.5	66.8	100.2
51	37.8	31.2	46.8





#17

Acetone

Concen: 45.56 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 17848

Ion Ratio Lower Upper

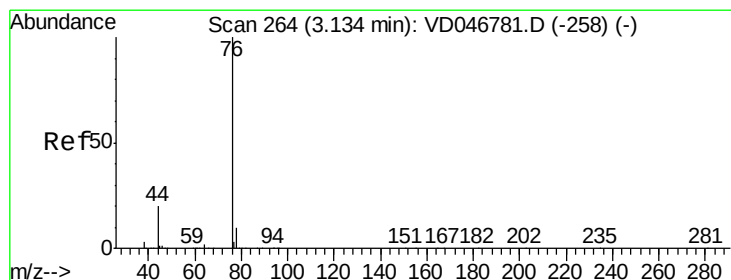
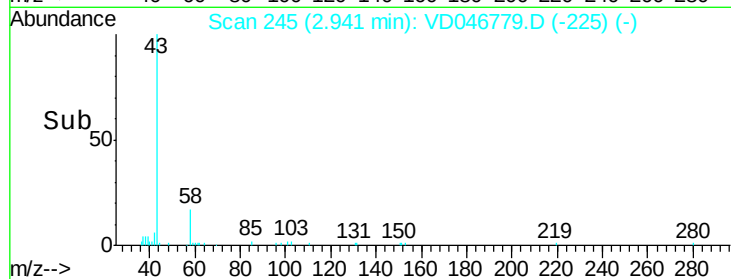
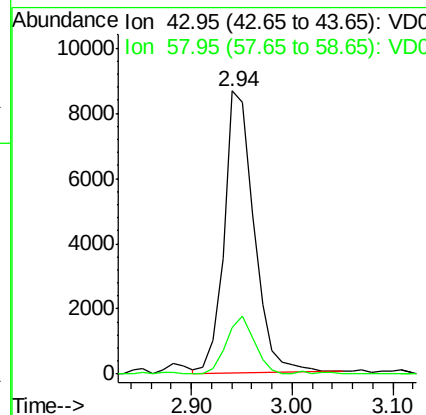
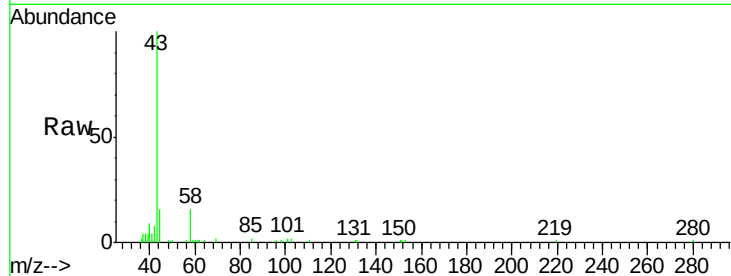
43 100

58 16.3 16.6 24.8#

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#18

Carbon Disulfide

Concen: 9.08 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD046779.D

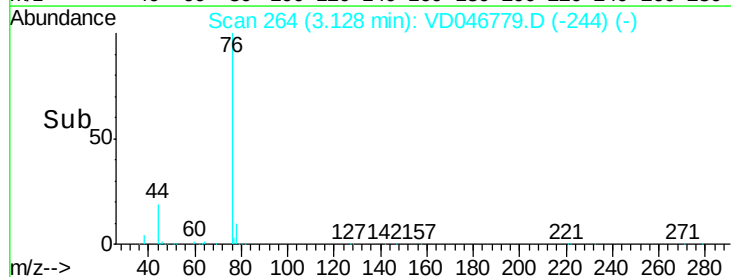
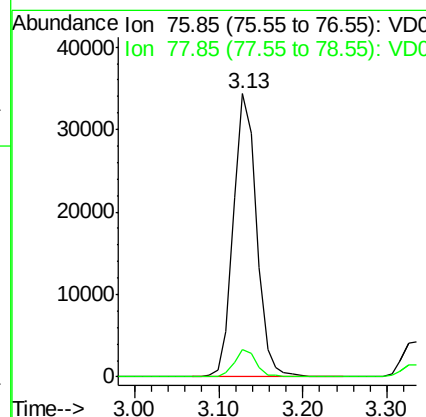
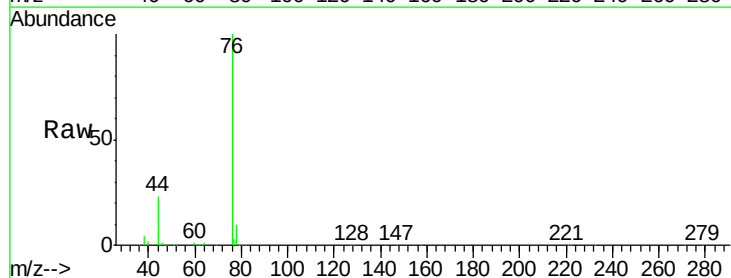
Acq: 18 Sep 2015 12:22

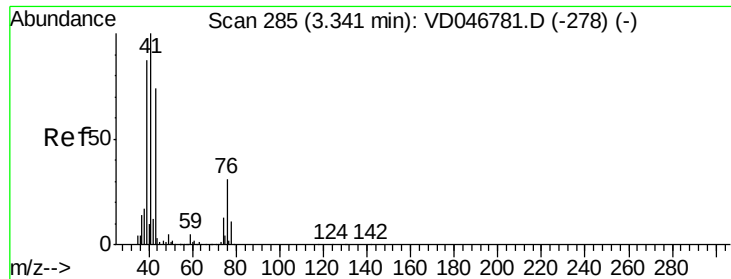
Tgt Ion: 76 Resp: 65755

Ion Ratio Lower Upper

76 100

78 9.9 8.0 12.0





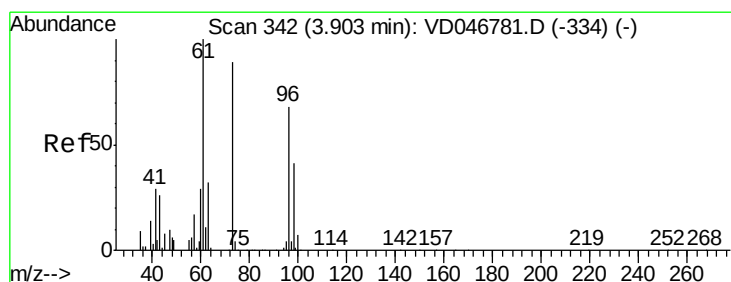
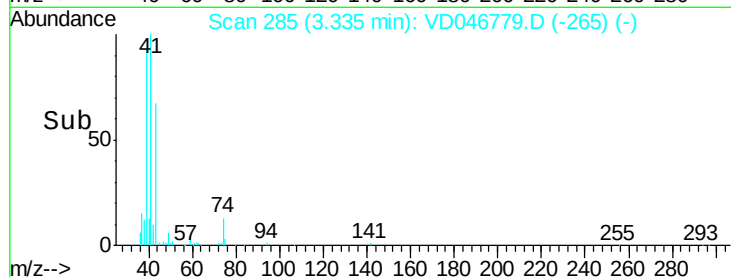
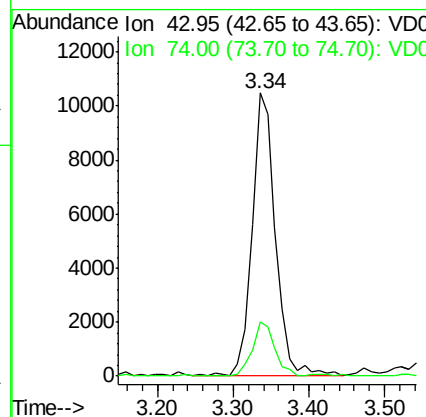
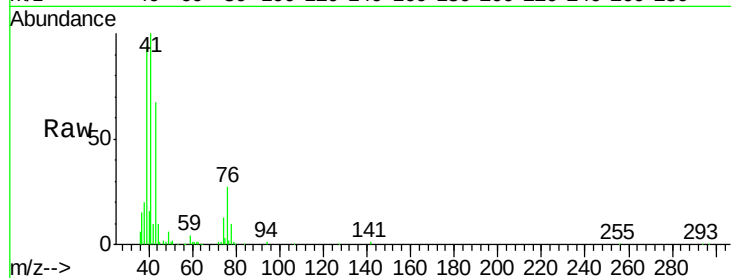
#19
Methyl Acetate
Concen: 9.56 ug/l
RT: 3.34 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 22462
Ion Ratio Lower Upper
43 100
74 19.3 13.7 20.5

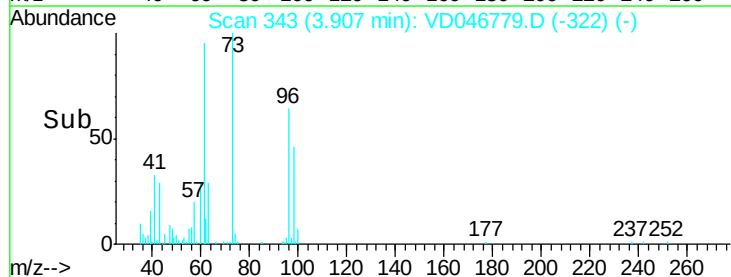
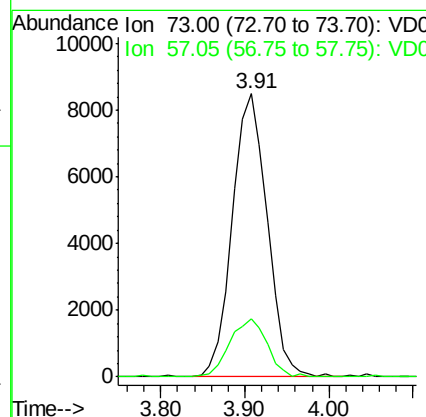
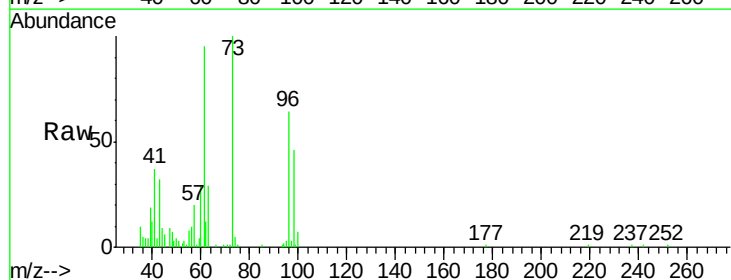
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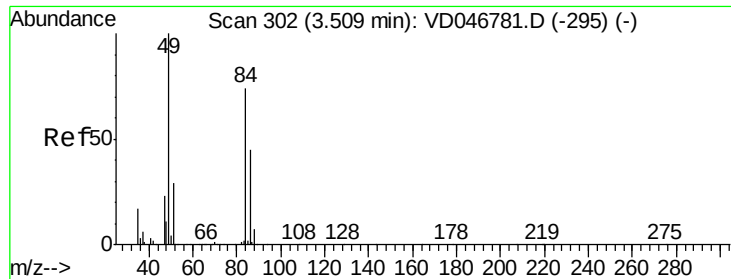
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#20
Methyl tert-butyl Ether
Concen: 8.92 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 73 Resp: 24474
Ion Ratio Lower Upper
73 100
57 20.5 18.1 27.1





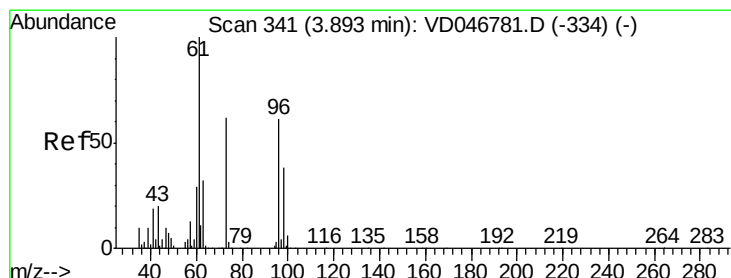
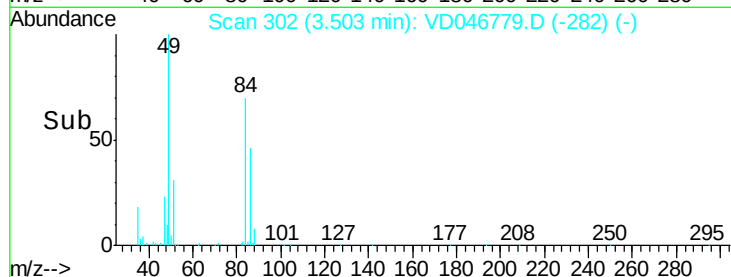
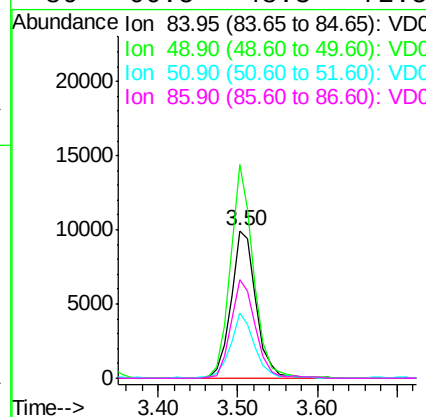
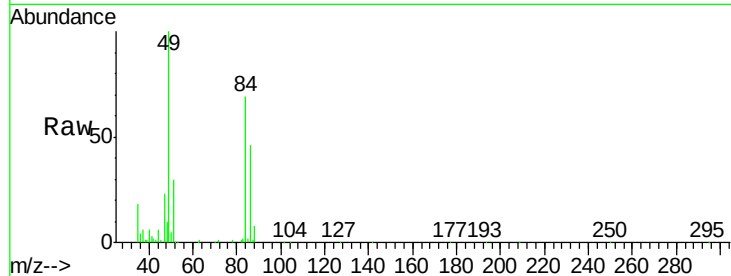
#21
Methylene Chloride
Concen: 10.36 ug/l
RT: 3.50 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.8	122.1	183.1
51	44.0	33.6	50.4
86	66.5	48.3	72.5

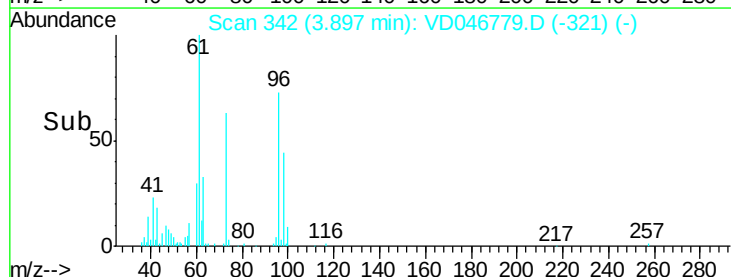
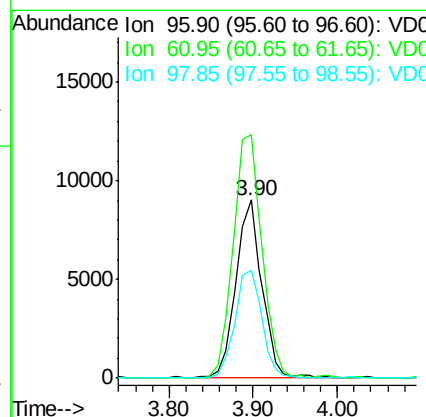
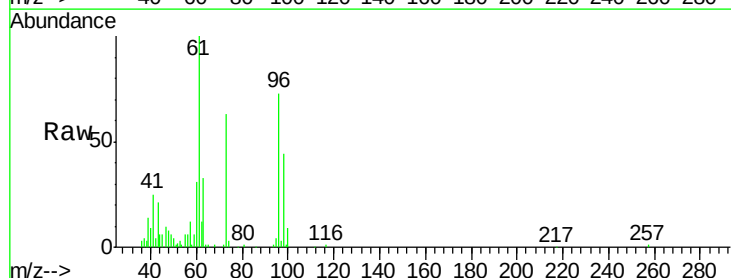
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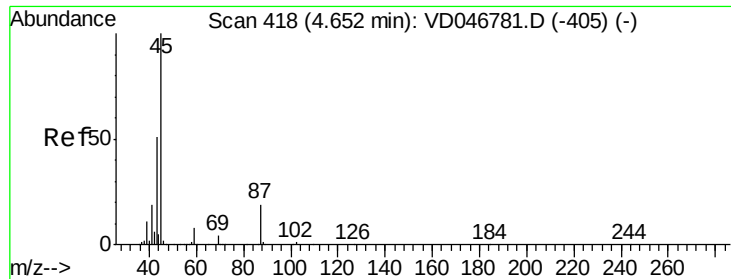
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#22
trans-1,2-Dichloroethene
Concen: 9.40 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.7	125.8	188.6
98	60.4	54.5	81.7





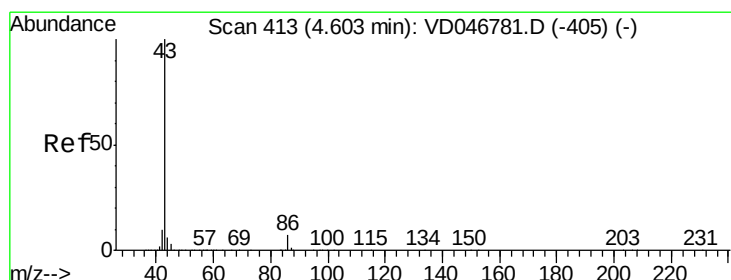
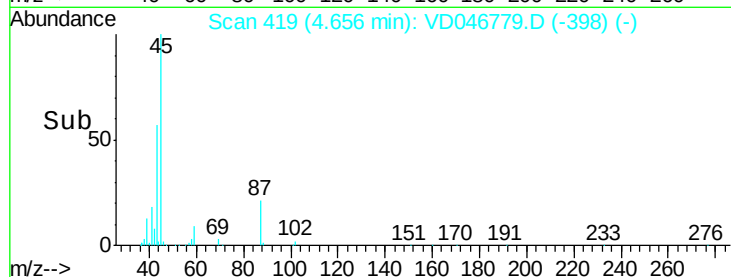
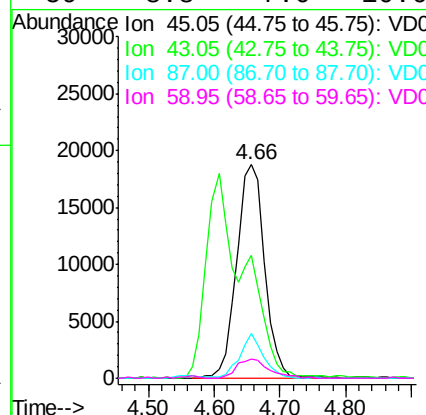
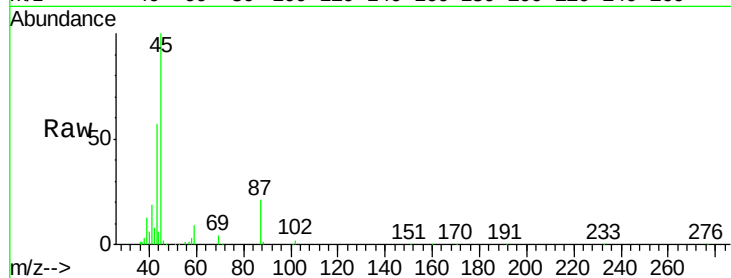
#23
Diisopropyl ether
Concen: 8.61 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.4	35.9	53.9#
87	20.8	13.0	19.6#
59	8.8	7.0	10.6

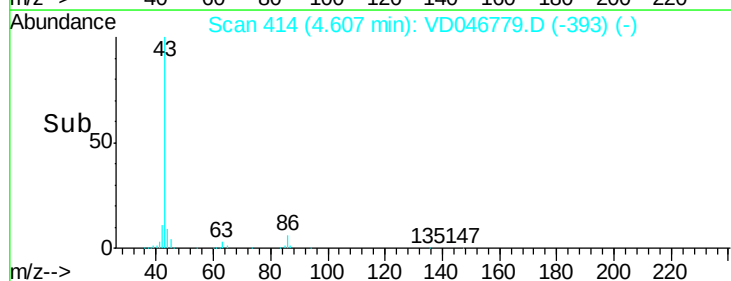
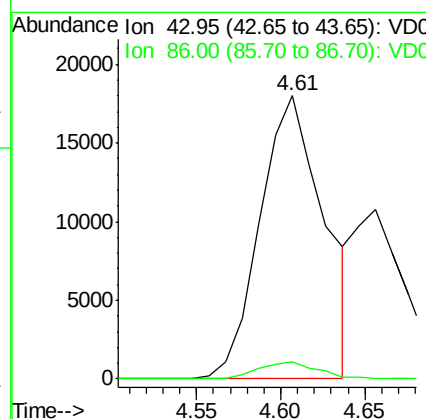
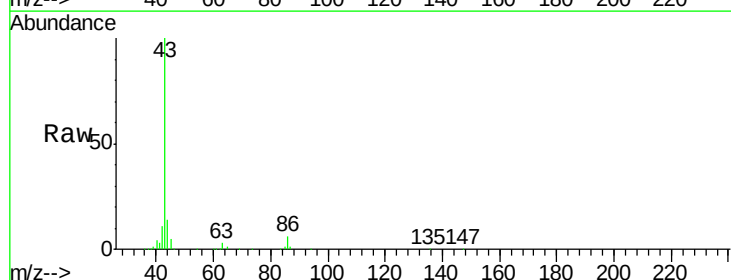
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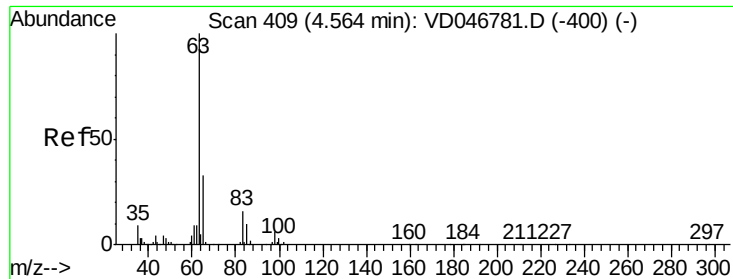
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#24
Vinyl Acetate
Concen: 36.35 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
86	6.3	4.9	7.3





#25

1,1-Dichloroethane

Concen: 9.70 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

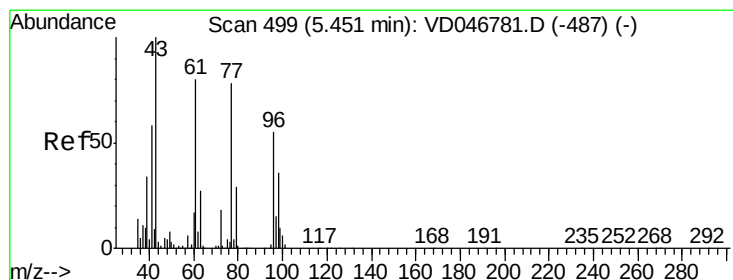
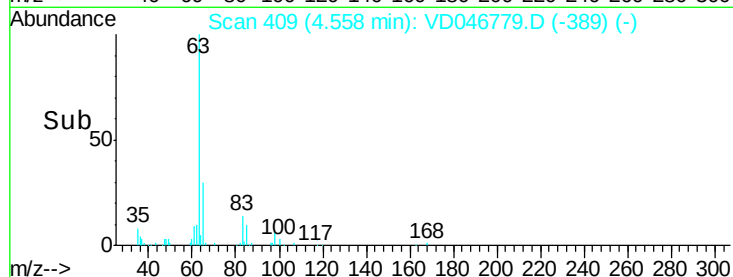
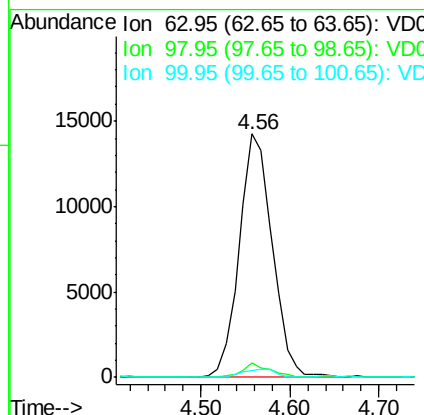
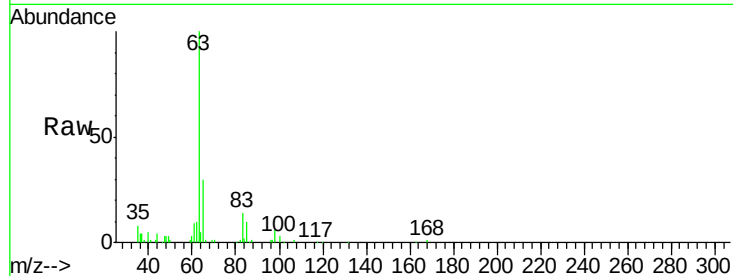
ClientSampleId :

VSTDIC010

Tgt Ion:	63	Resp:	36616
Ion Ratio	Lower	Upper	
63	100		
98	6.0	2.5	7.5
100	2.9	1.5	4.5

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#26

2-Butanone

Concen: 46.85 ug/l

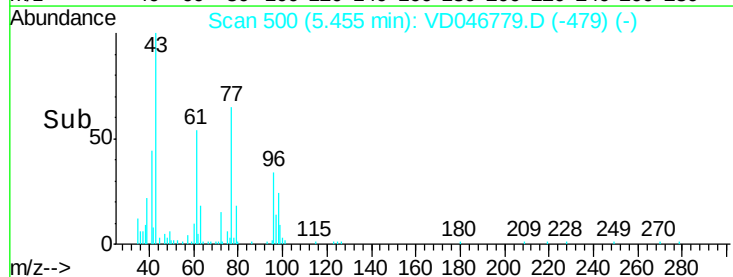
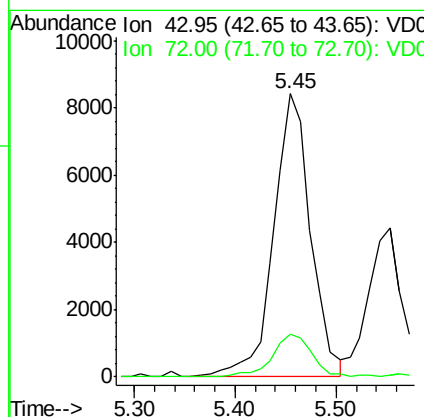
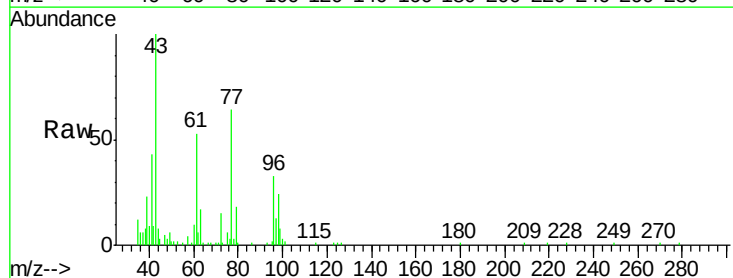
RT: 5.45 min Scan# 500

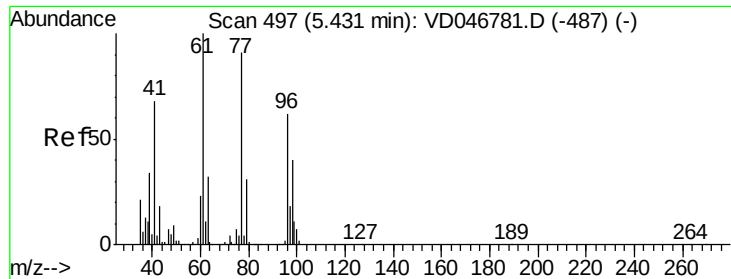
Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion:	43	Resp:	21486
Ion Ratio	Lower	Upper	
43	100		
72	15.0	13.4	20.0





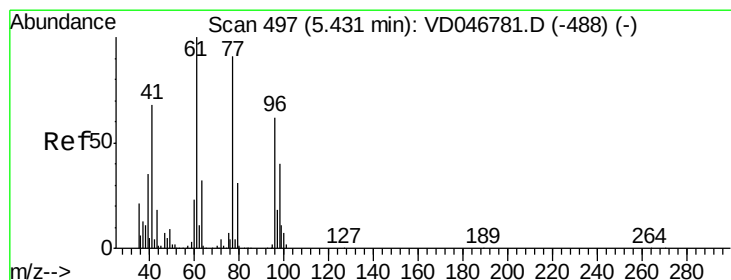
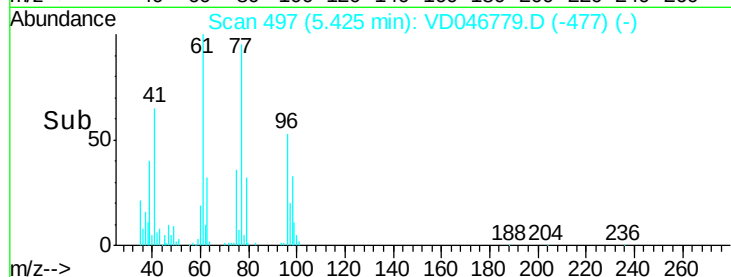
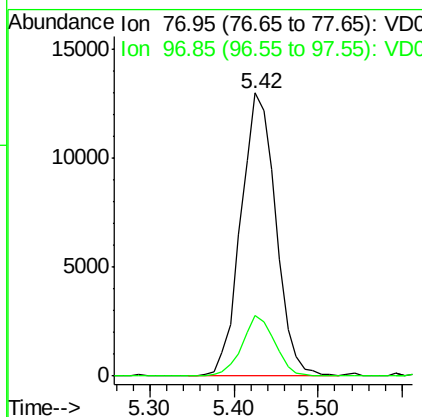
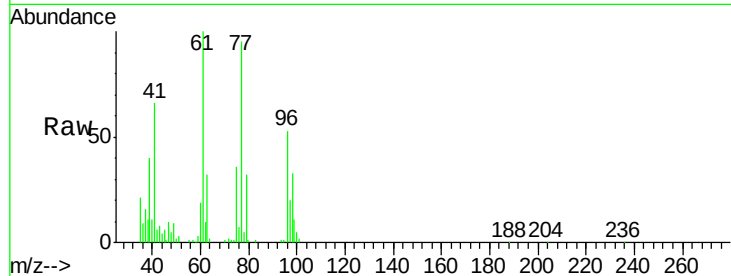
#27
 2,2-Dichloropropane
 Concen: 10.70 ug/l
 RT: 5.42 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 77 Resp: 37797
 Ion Ratio Lower Upper
 77 100
 97 21.5 10.4 31.1

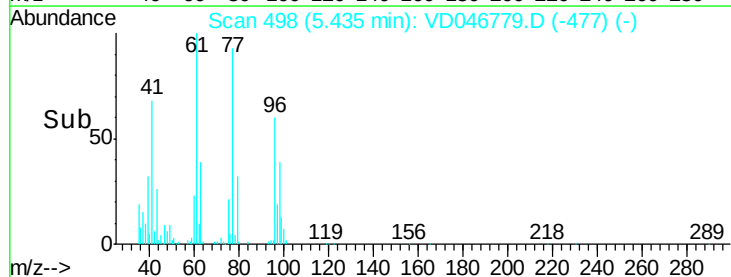
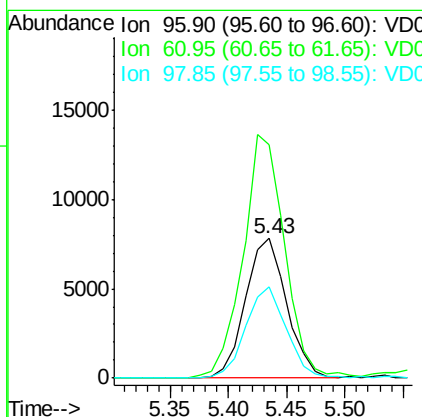
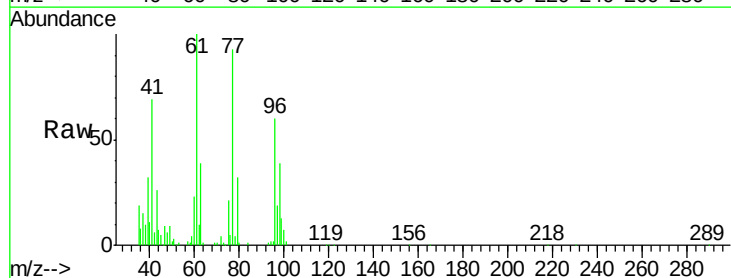
Manual Integrations
 APPROVED

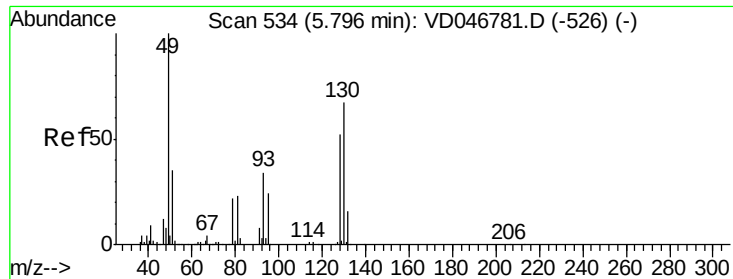
MMDadoda
 9/21/2015 11:38:32 AM



#28
 cis-1,2-Dichloroethene
 Concen: 9.04 ug/l
 RT: 5.43 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 96 Resp: 19158
 Ion Ratio Lower Upper
 96 100
 61 167.3 0.0 348.0
 98 65.7 0.0 128.8





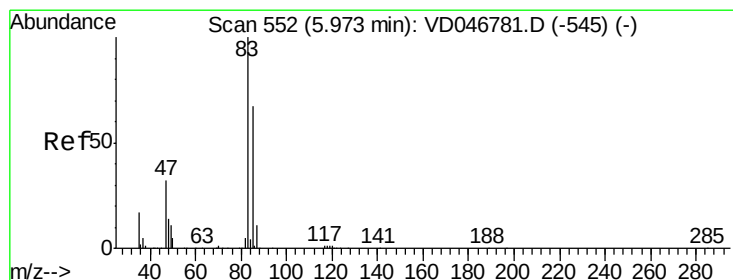
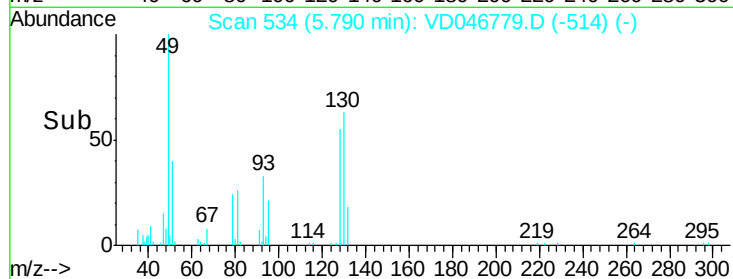
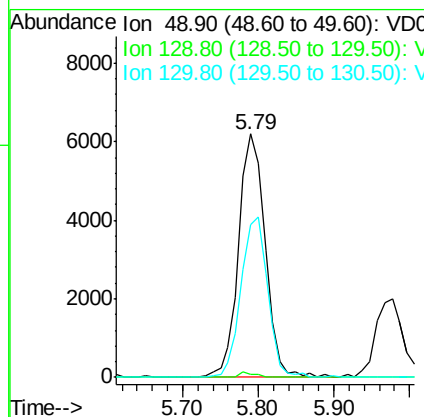
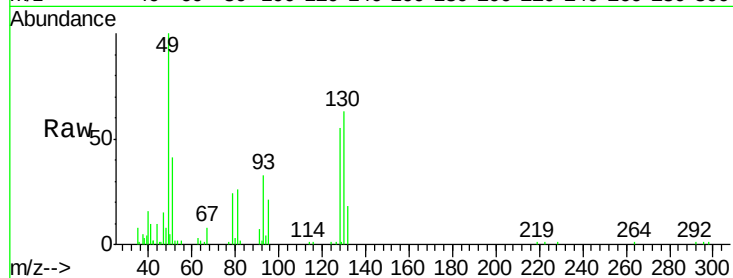
#29
Bromochloromethane
Concen: 10.14 ug/l
RT: 5.79 min Scan# 534
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 49 Resp: 15145
Ion Ratio Lower Upper
49 100
129 1.5 0.0 2.8
130 62.6 50.2 75.4

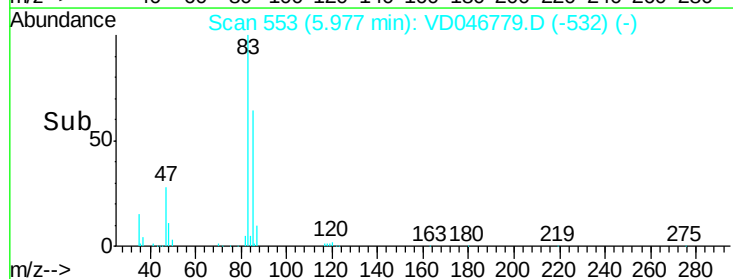
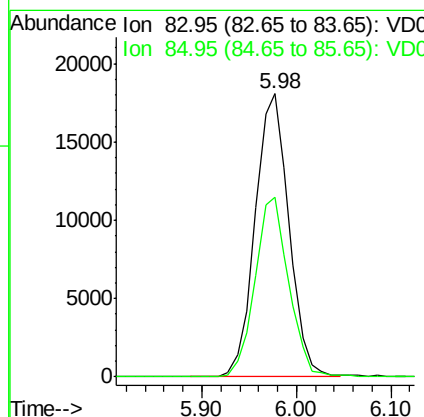
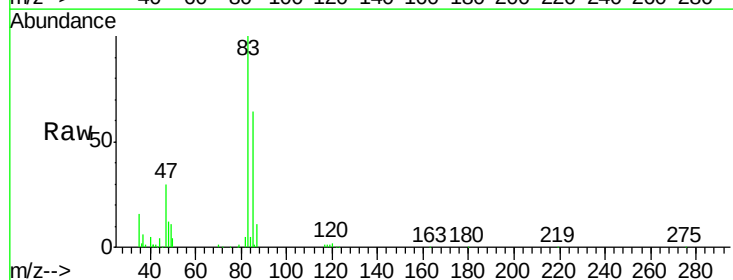
Manual Integrations
APPROVED

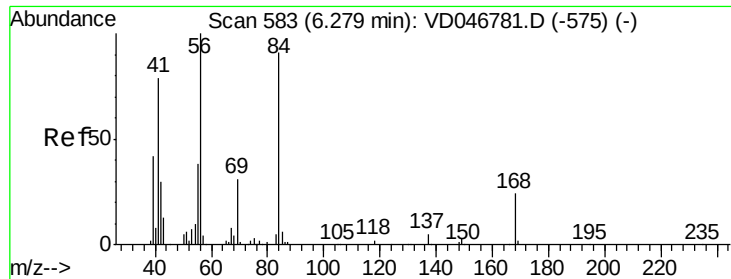
MMDadoda
9/21/2015 11:38:32 AM



#30
Chloroform
Concen: 10.55 ug/l
RT: 5.98 min Scan# 553
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 83 Resp: 44938
Ion Ratio Lower Upper
83 100
85 63.6 52.5 78.7





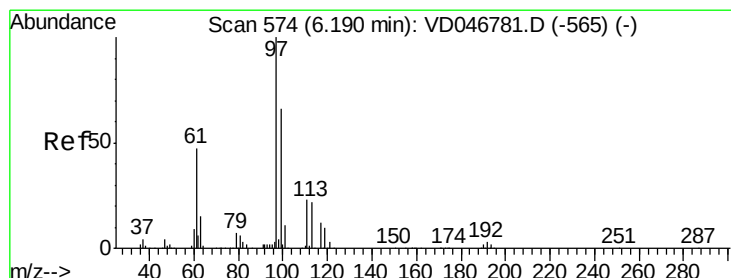
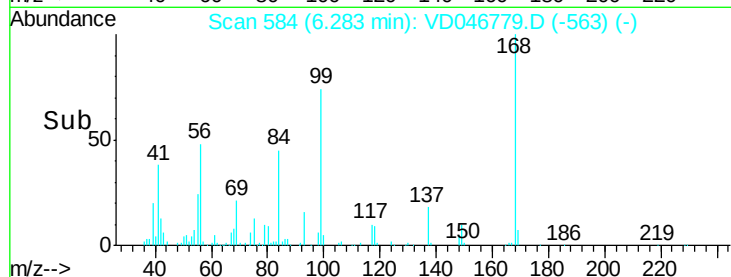
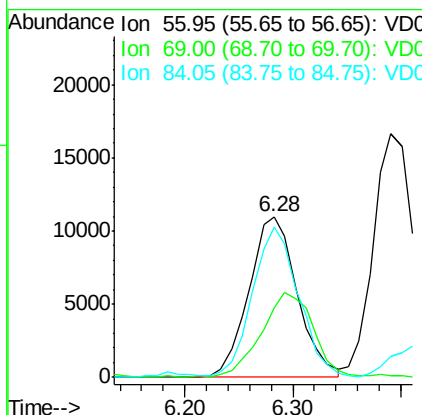
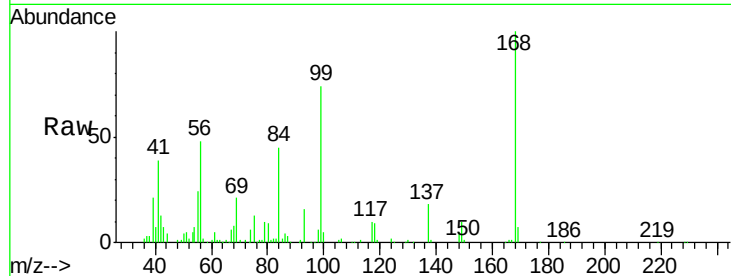
#31
Cyclohexane
Concen: 9.21 ug/l
RT: 6.28 min Scan# 584
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	43.5	23.4	35.0#
84	93.4	63.8	95.8

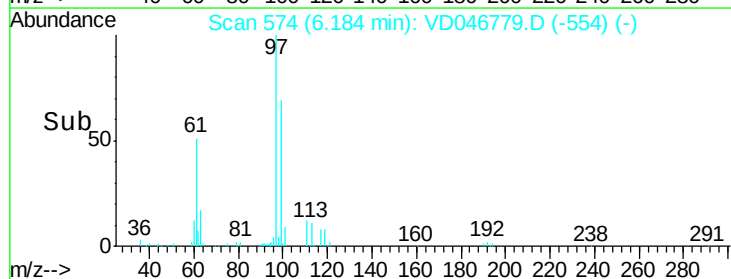
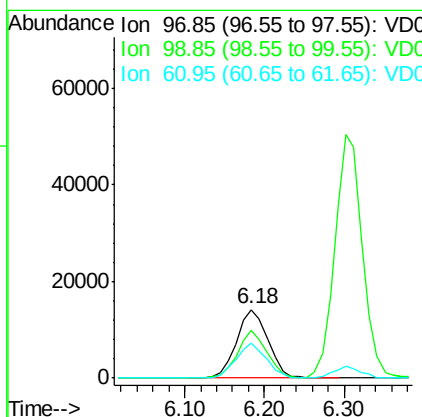
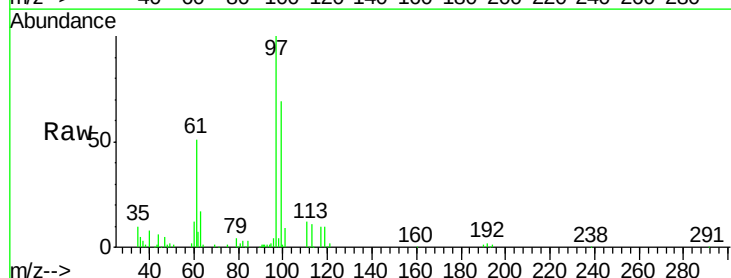
Manual Integrations
APPROVED

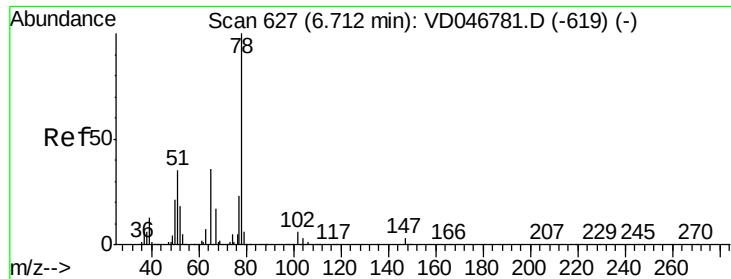
MMDadoda
9/21/2015 11:38:32 AM



#32
1,1,1-Trichloroethane
Concen: 10.71 ug/l
RT: 6.18 min Scan# 574
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.0	50.2	75.4
61	50.9	38.6	57.8





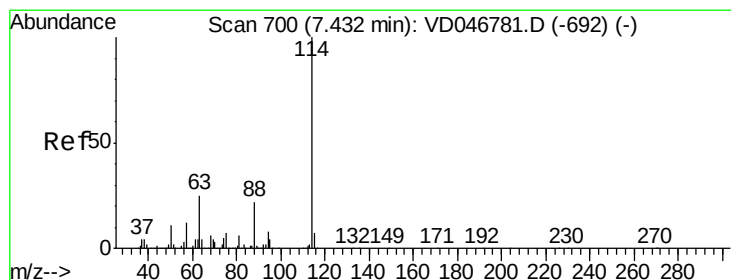
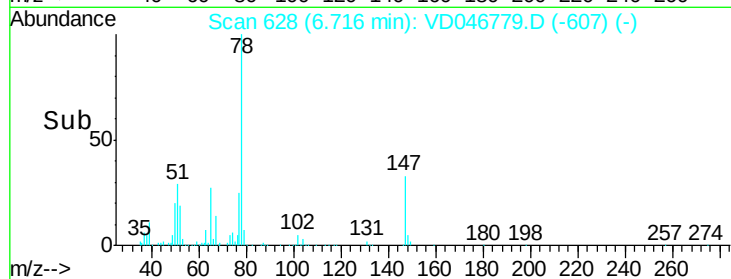
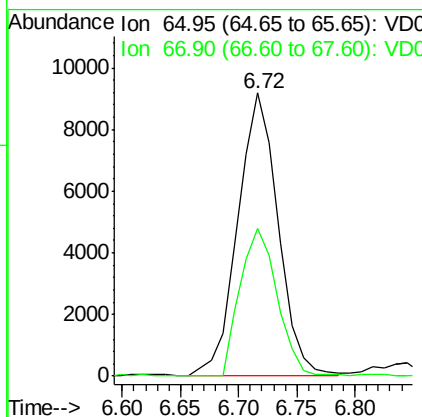
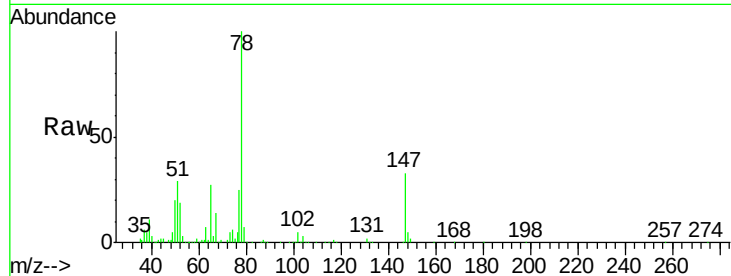
#33
 1,2-Dichloroethane-d4
 Concen: 10.71 ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	22118		
67	52.1	0.0	105.4	

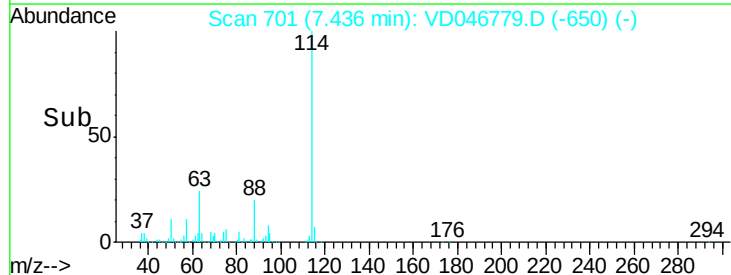
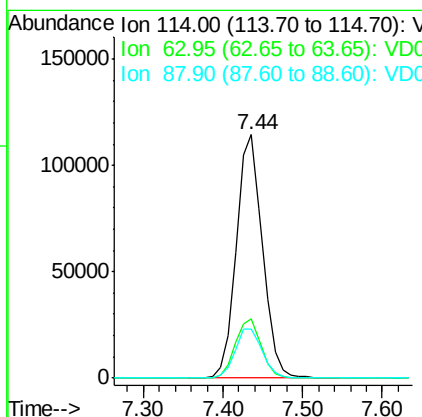
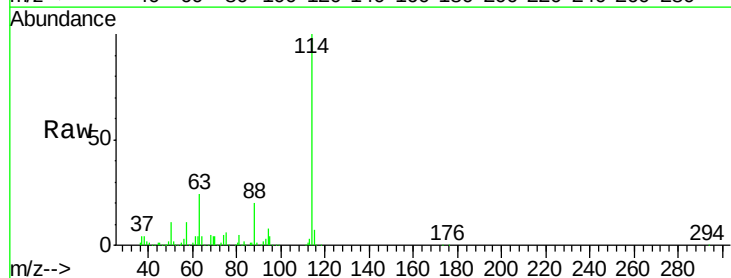
Manual Integrations
 APPROVED

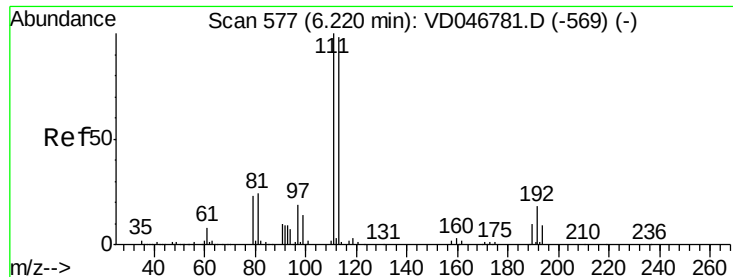
MMDadoda
 9/21/2015 11:38:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	261002		
63	24.3	0.0	49.8	
88	20.3	0.0	43.6	





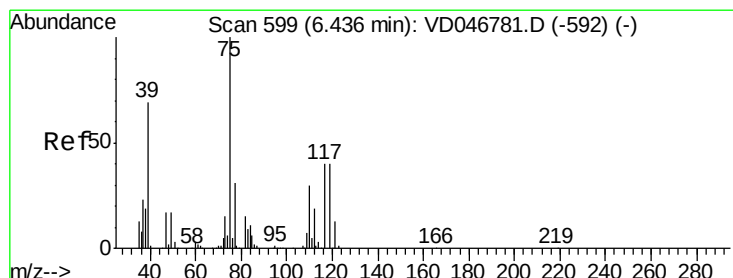
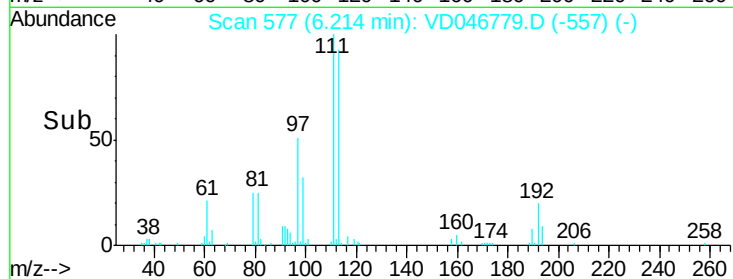
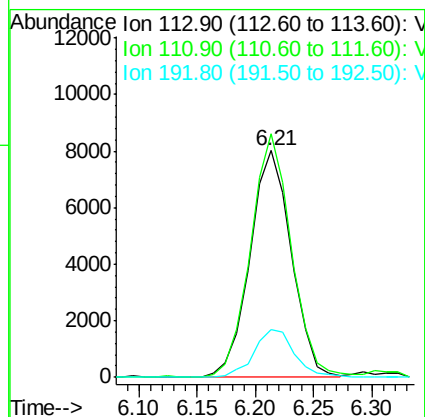
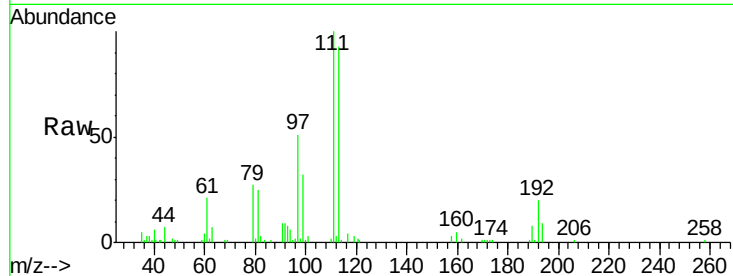
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.21 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	19778		
111	107.4		79.4	119.0
192	21.2		14.6	22.0

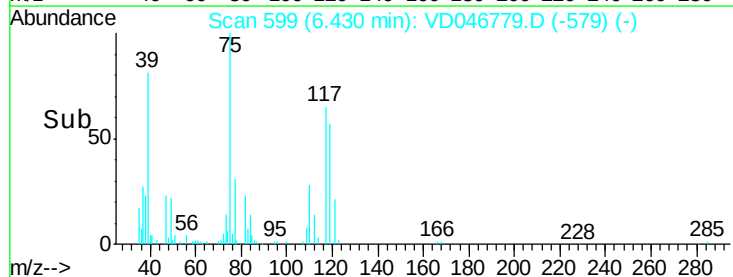
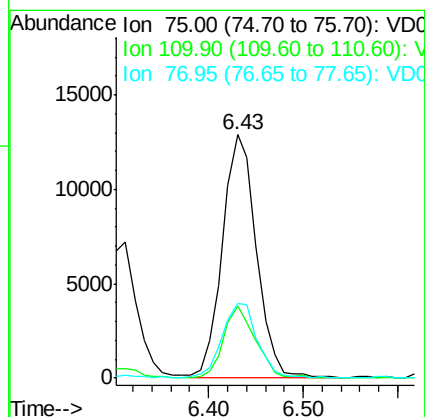
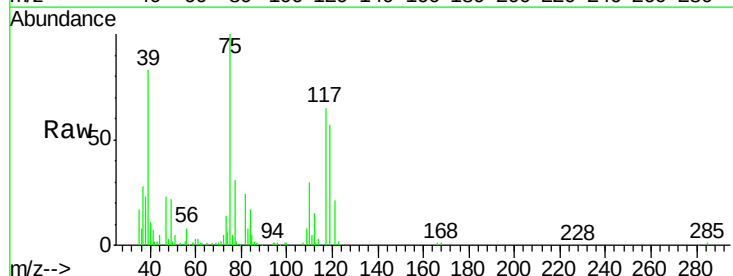
Manual Integrations
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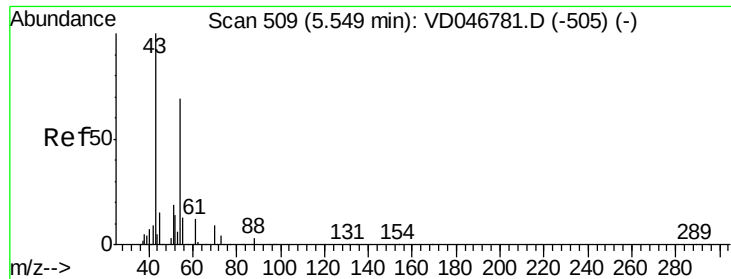
MMDadoda
 9/21/2015 11:38:32 AM



#36
 1,1-Dichloropropene
 Concen: 9.99 ug/l
 RT: 6.43 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	32171		
110	29.7		13.7	41.0
77	30.6		24.7	37.1





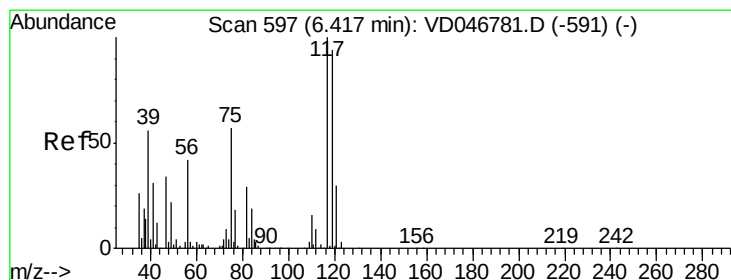
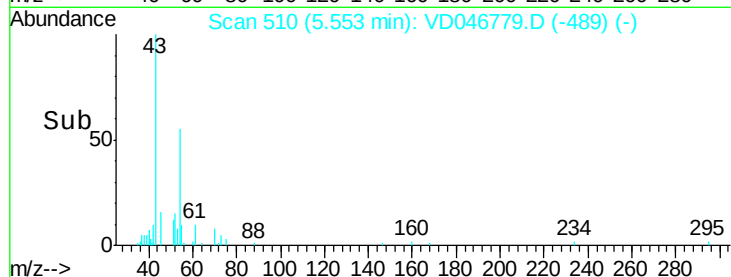
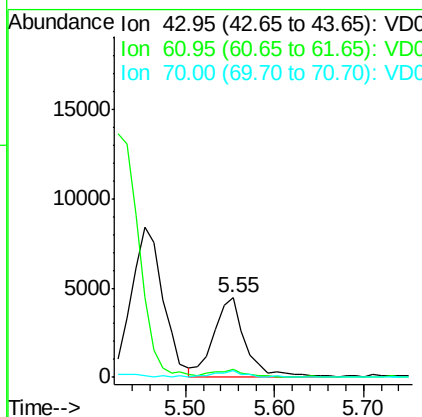
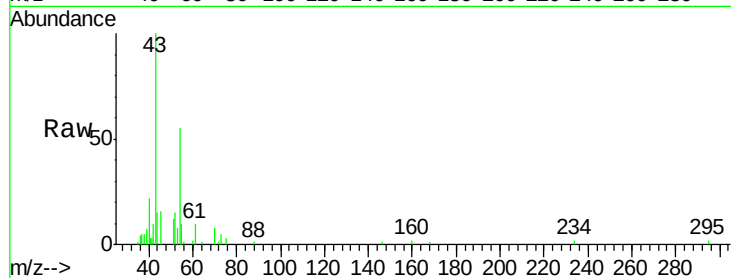
#37
Ethyl Acetate
Concen: 11.33 ug/l
RT: 5.55 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:	43	Resp:	11200
Ion	Ratio	Lower	Upper
43	100		
61	9.9	9.4	14.2
70	8.1	6.0	9.0

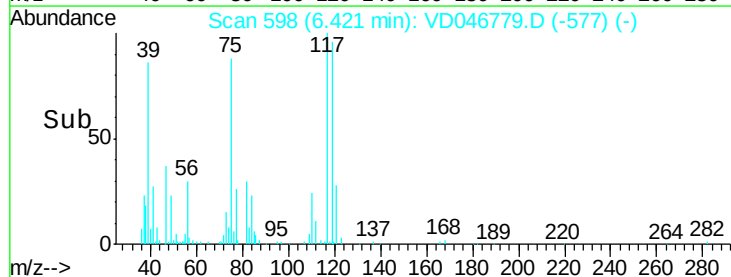
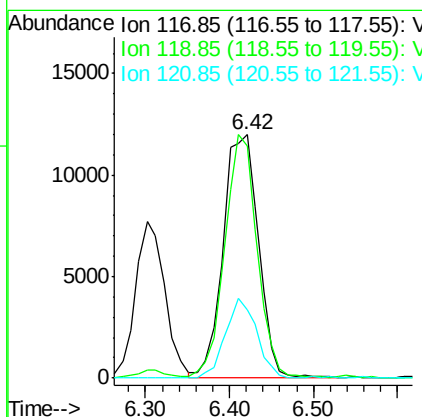
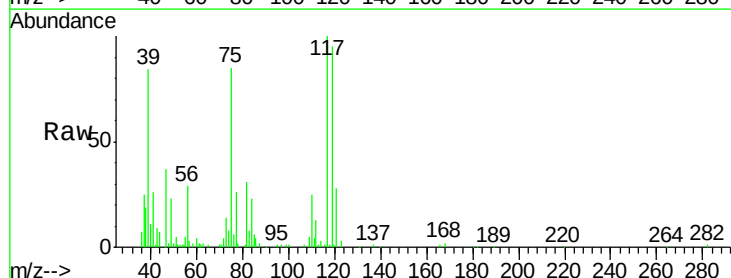
Manual Integrations
APPROVED

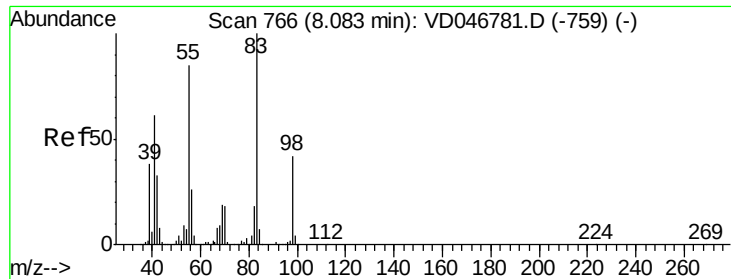
MMDadoda
9/21/2015 11:38:32 AM



#38
Carbon Tetrachloride
Concen: 11.49 ug/l
RT: 6.42 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:	117	Resp:	35053
Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.2	114.4
121	28.1	24.5	36.7





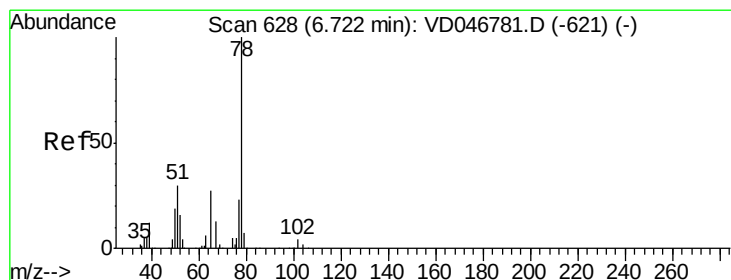
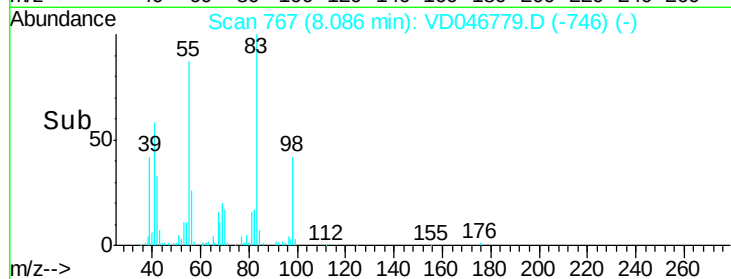
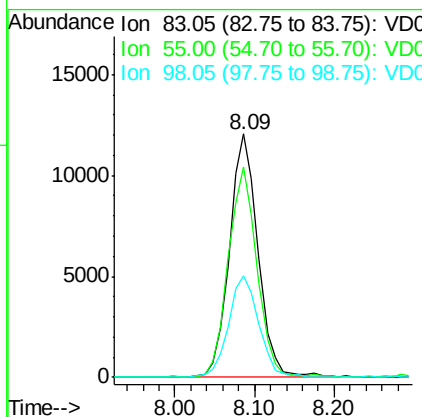
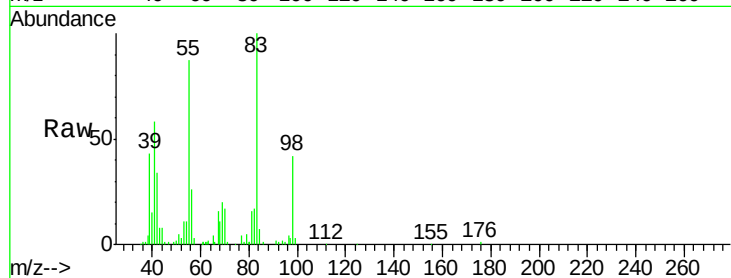
#39
Methylcyclohexane
Concen: 8.79 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.7	71.1	106.7
98	41.6	34.6	51.8

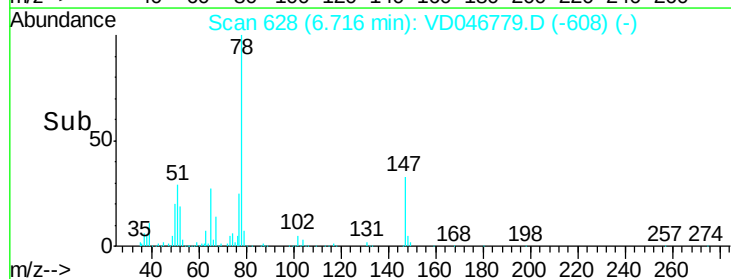
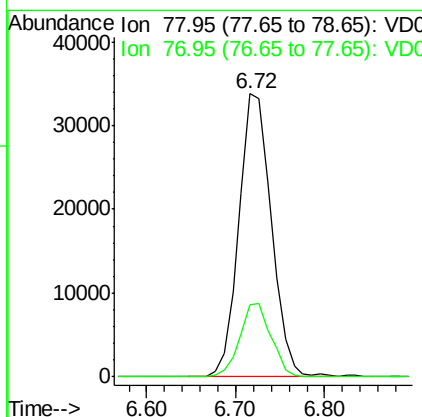
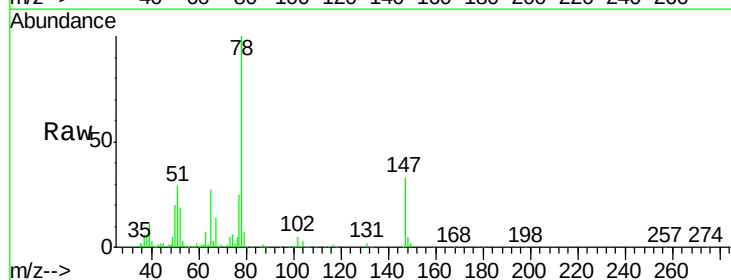
Manual Integrations
APPROVED

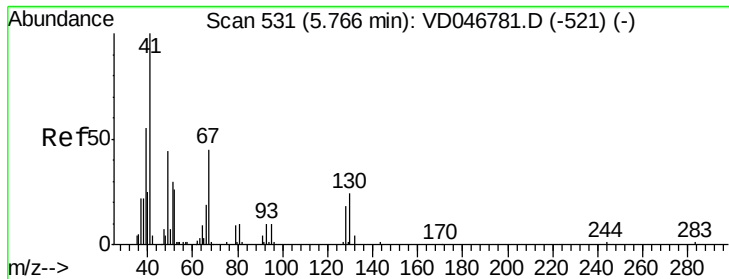
MMDadoda
9/21/2015 11:38:32 AM



#40
Benzene
Concen: 10.43 ug/l
RT: 6.72 min Scan# 628
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.9	29.9





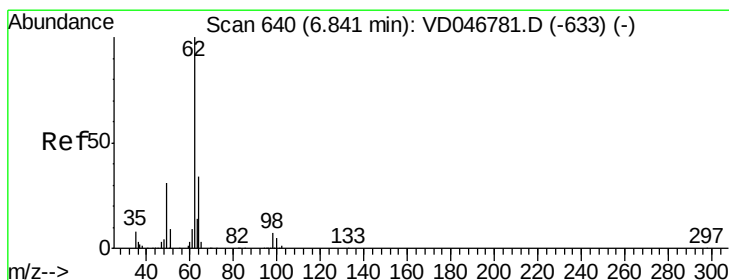
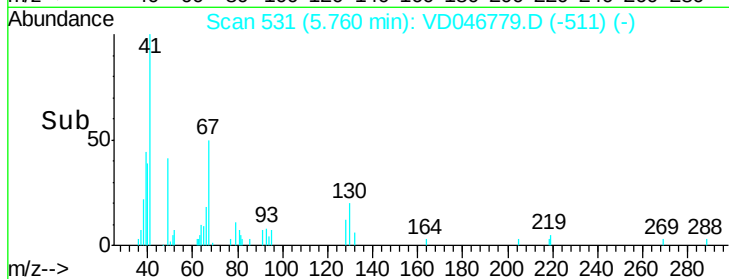
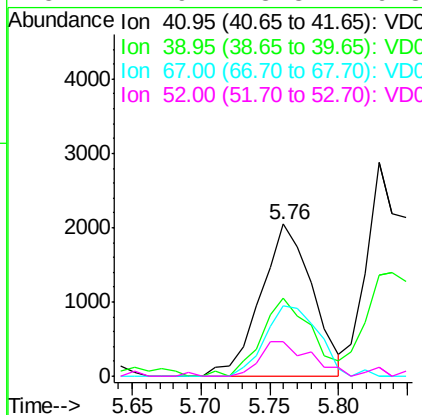
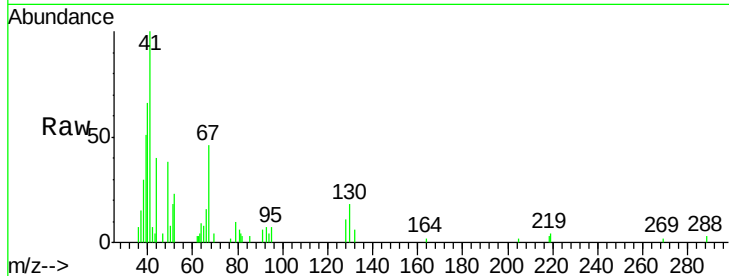
#41
Methacrylonitrile
Concen: 8.54 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.0	40.2	60.4
67	46.0	32.0	48.0
52	22.9	13.8	20.8

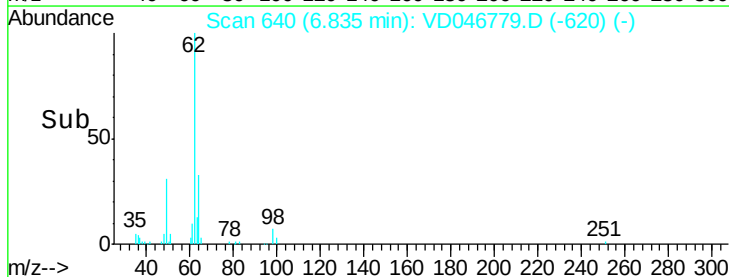
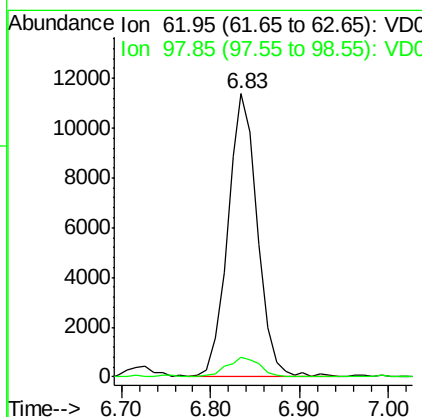
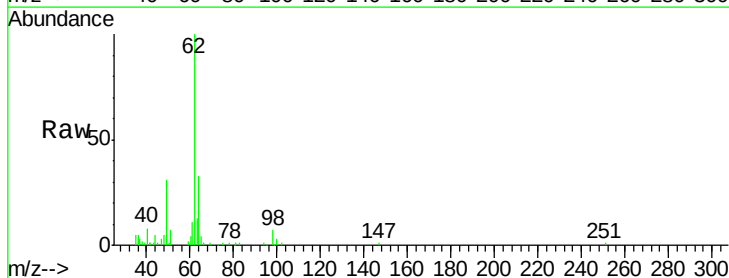
Manual Integrations
APPROVED

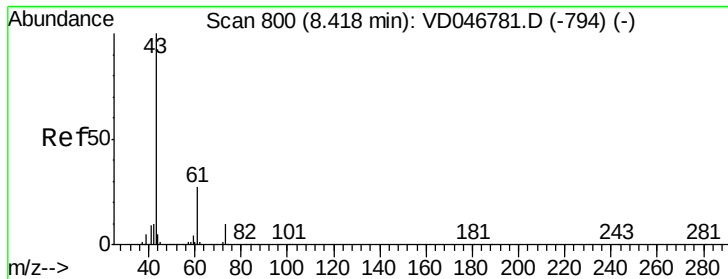
MMDadoda
9/21/2015 11:38:32 AM



#42
1,2-Dichloroethane
Concen: 11.09 ug/l
RT: 6.83 min Scan# 640
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 8.19 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

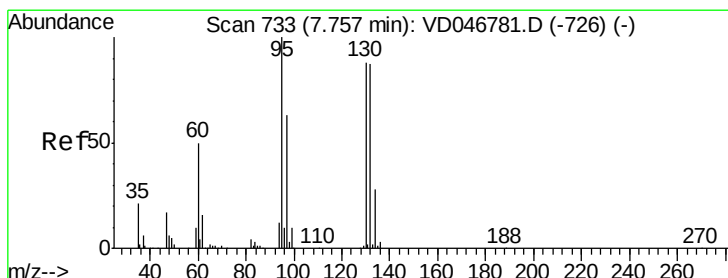
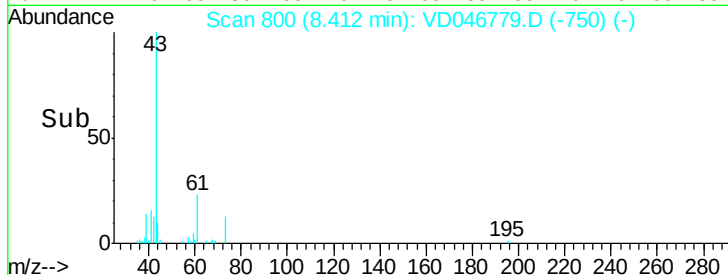
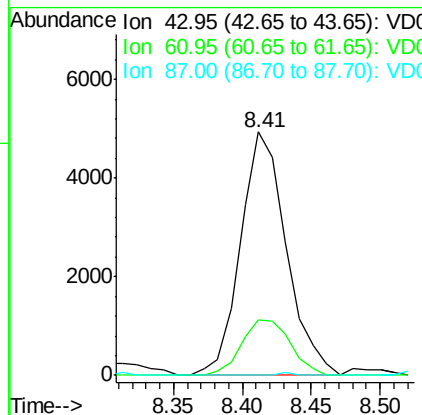
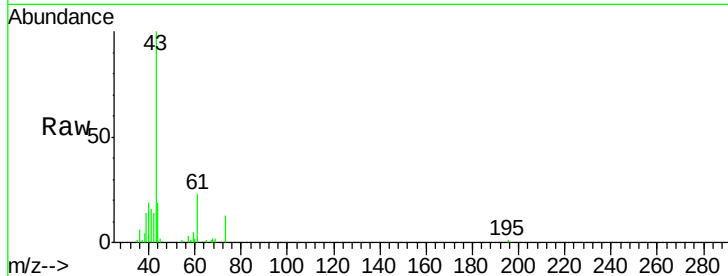
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	11440
Ion	Ratio	Lower	Upper
43	100		
61	22.6	19.5	29.3
87	0.0	0.2	0.2#

Manual Integrations
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9/21/2015 11:38:32 AM



#44

Trichloroethene

Concen: 10.02 ug/l

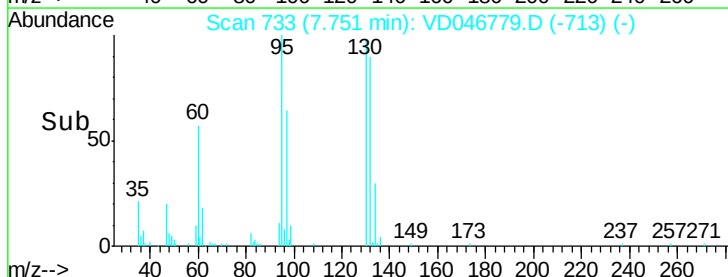
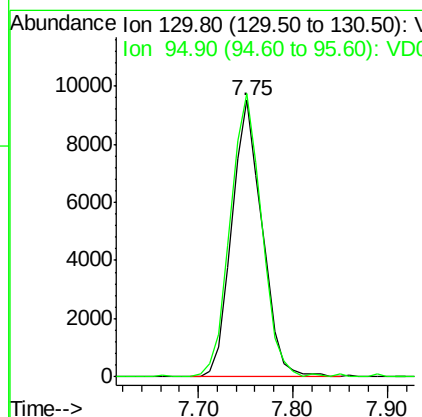
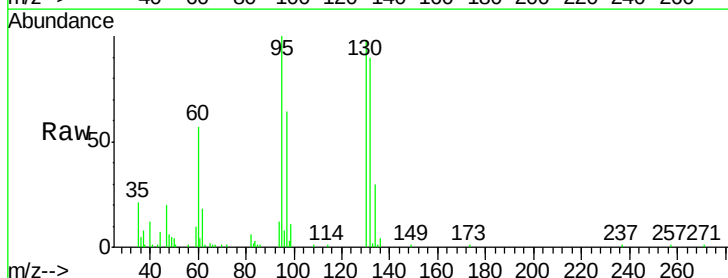
RT: 7.75 min Scan# 733

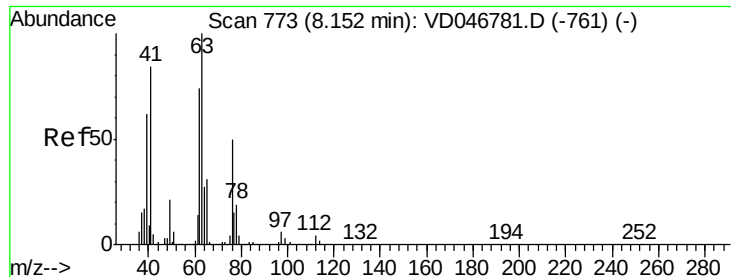
Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion:	130	Resp:	21079
Ion	Ratio	Lower	Upper
130	100		
95	102.3	0.0	229.4





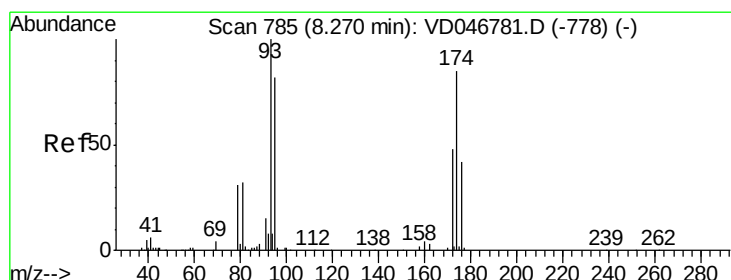
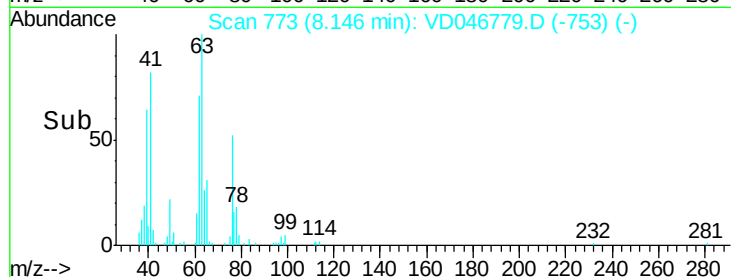
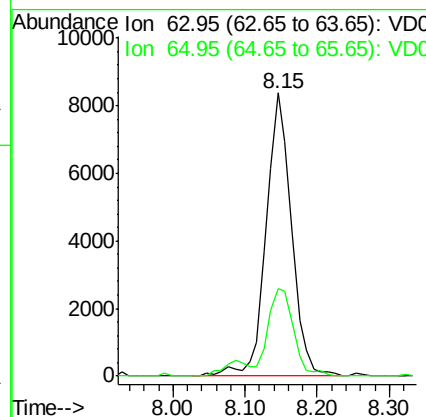
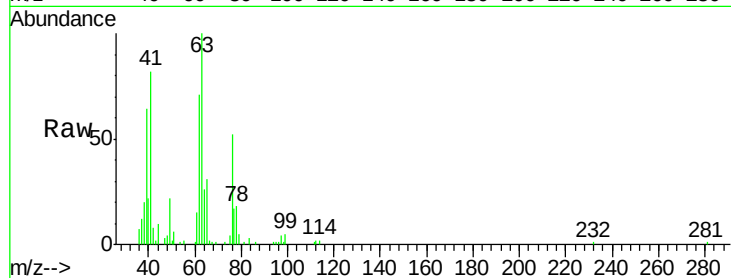
#45
 1,2-Dichloropropane
 Concen: 9.99 ug/l
 RT: 8.15 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.1	37.7

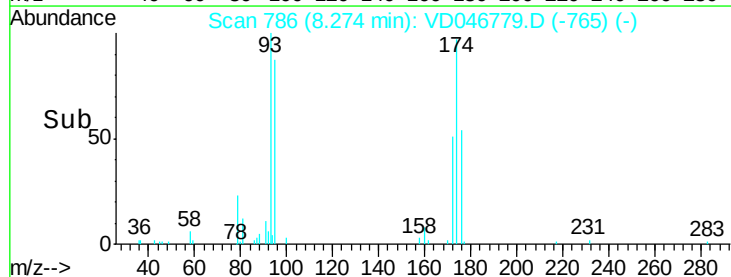
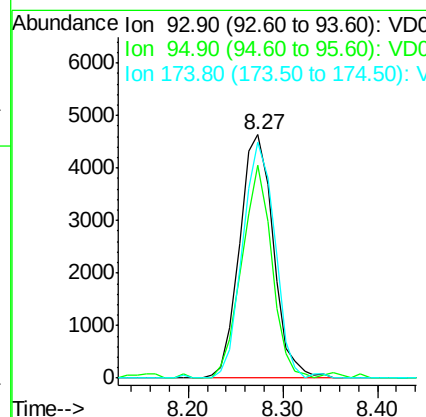
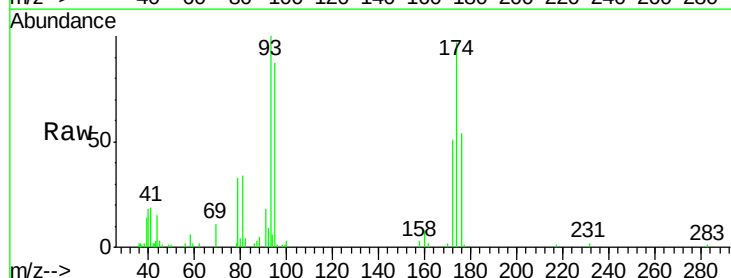
Manual Integrations
 APPROVED

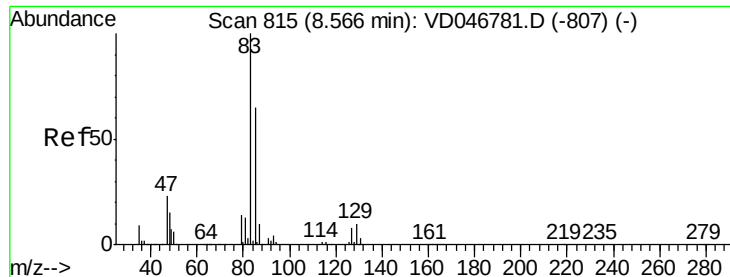
MMDadoda
 9/21/2015 11:38:32 AM



#46
 Dibromomethane
 Concen: 10.72 ug/l
 RT: 8.27 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.3	70.2	105.2
174	96.9	79.0	118.4





#47

Bromodichloromethane

Concen: 10.61 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

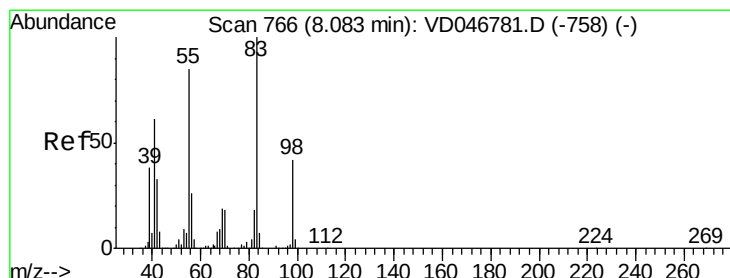
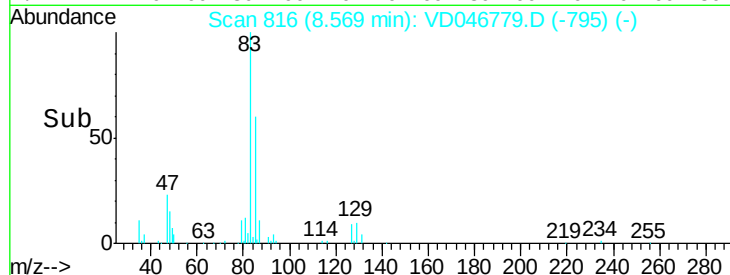
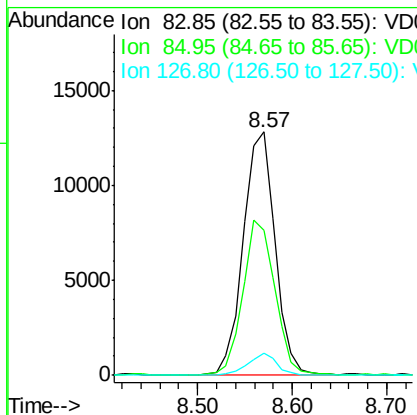
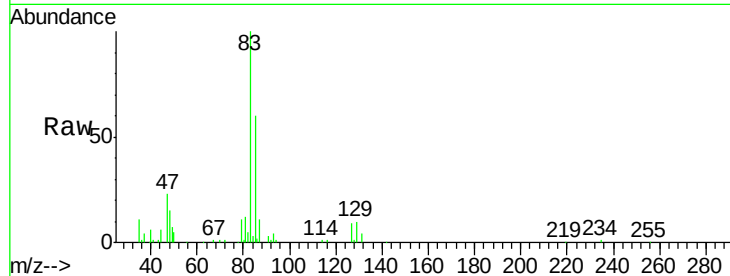
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	30094
Ion	Ratio	Lower	Upper
83	100		
85	59.5	52.6	78.8
127	9.1	5.7	8.5#

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:38:32 AM



#48

Methyl methacrylate

Concen: 8.75 ug/l

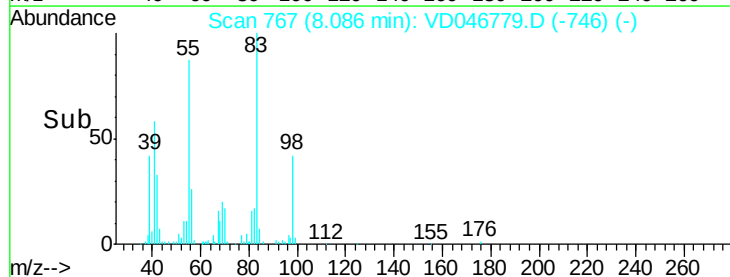
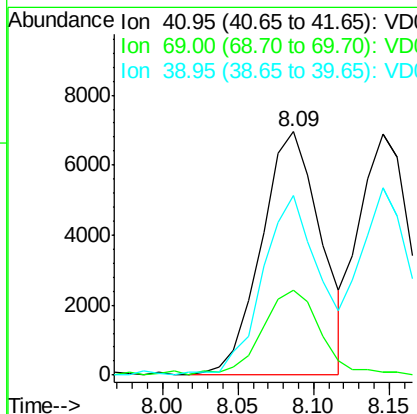
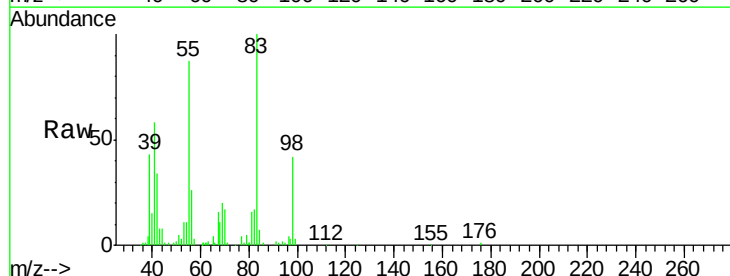
RT: 8.09 min Scan# 767

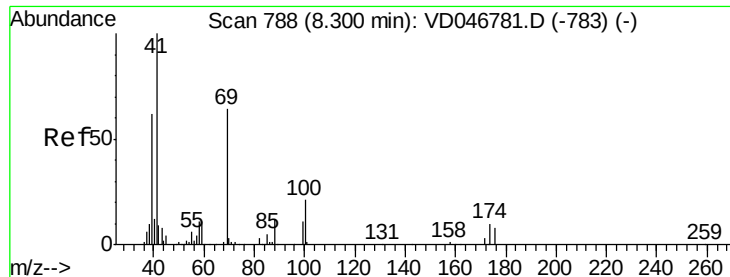
Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion:	41	Resp:	19136
Ion	Ratio	Lower	Upper
41	100		
69	34.6	25.3	37.9
39	74.0	47.4	71.0#





#49

1,4-Dioxane

Concen: 183.75 ug/l

RT: 8.30 min Scan# 789

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

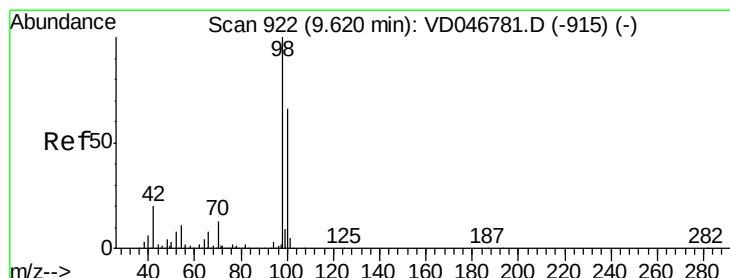
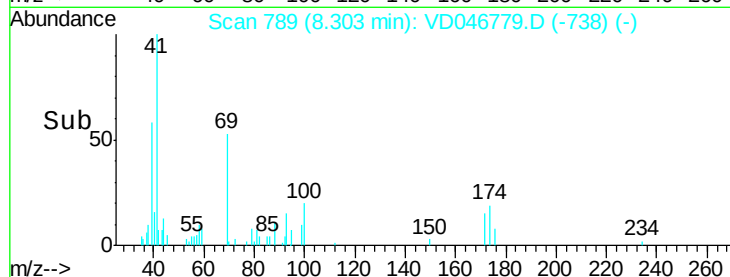
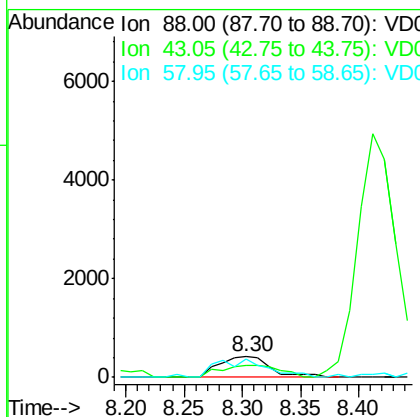
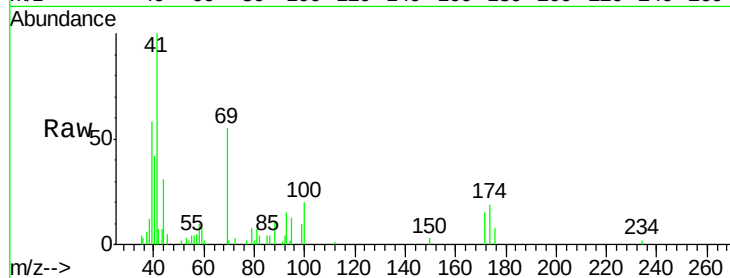
ClientSampleId :

VSTDIC010

Tgt Ion:	88	Resp:	1302
Ion	Ratio	Lower	Upper
88	100		
43	60.2	50.0	75.0
58	92.7	48.3	72.5#

Manual Integrations
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9/21/2015 11:38:32 AM



#50

Toluene-d8

Concen: 183.75 ug/l

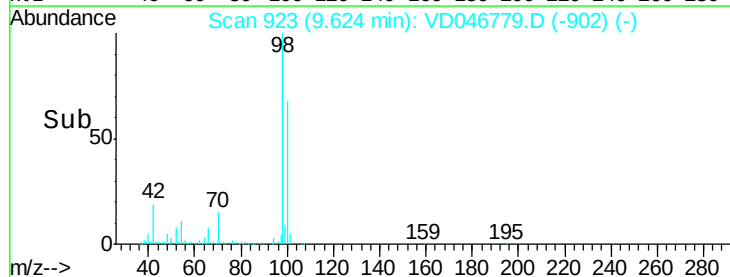
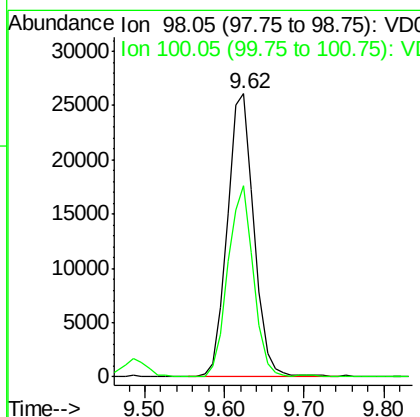
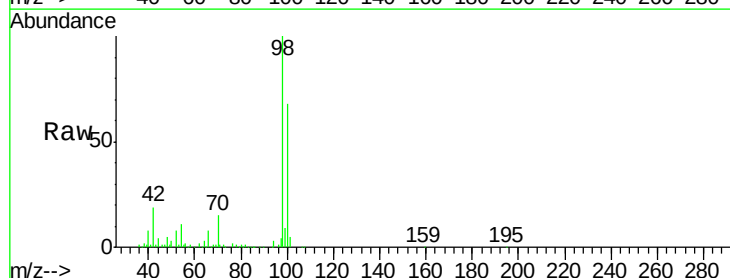
RT: 9.62 min Scan# 923

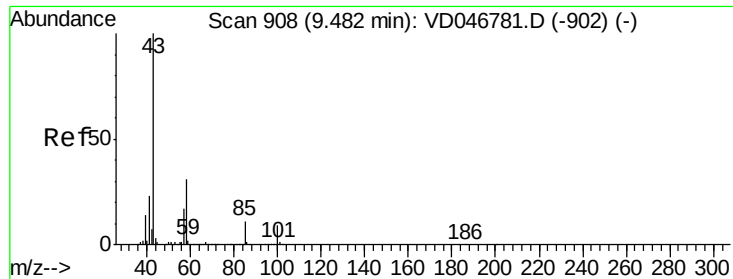
Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion:	98	Resp:	61277
Ion	Ratio	Lower	Upper
98	100		
100	67.6	49.9	74.9





#51

4-Methyl-2-Pentanone

Concen: 44.11 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 42980

Ion Ratio Lower Upper

43 100

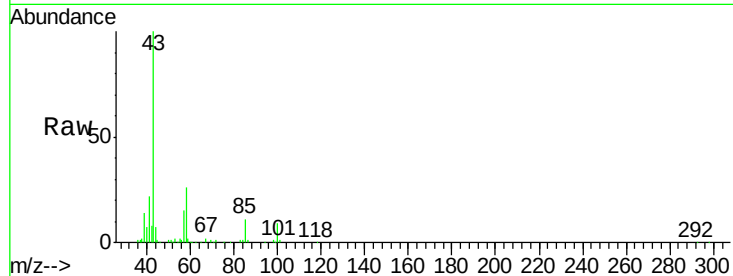
58 26.1 22.2 33.2

Manual Integrations

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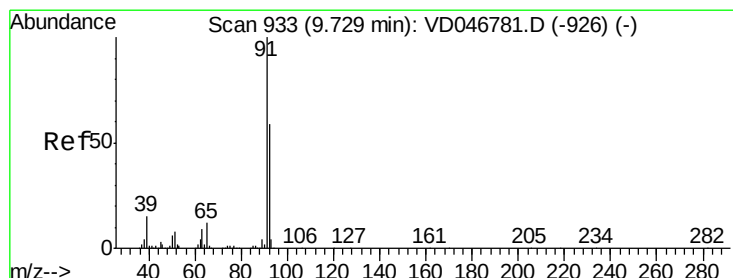
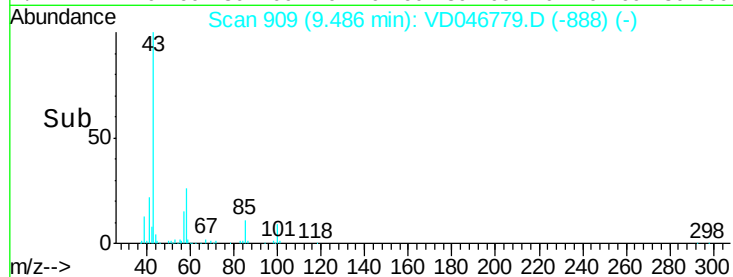
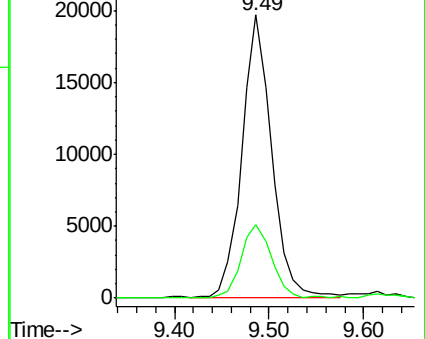
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 10.00 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.01 min

Lab File: VD046779.D

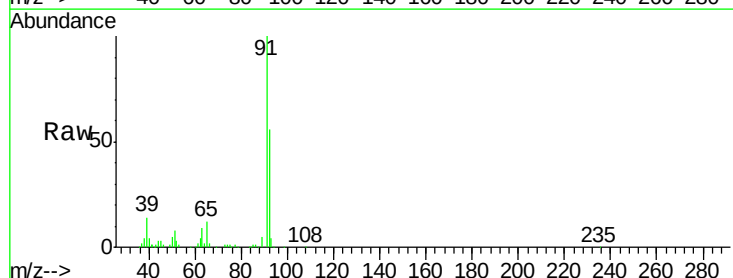
Acq: 18 Sep 2015 12:22

Tgt Ion: 92 Resp: 48935

Ion Ratio Lower Upper

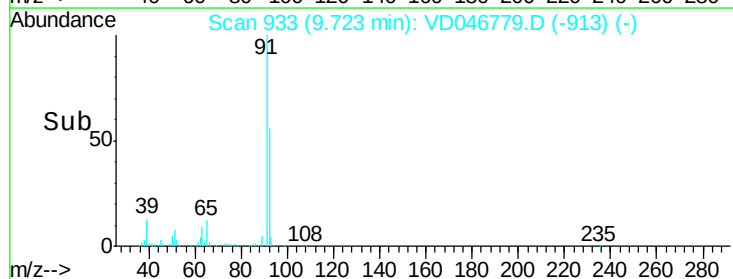
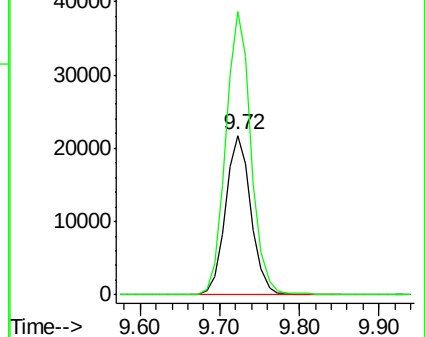
92 100

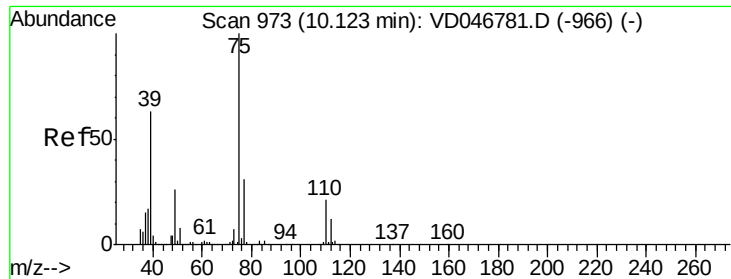
91 177.4 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 9.28 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 75 Resp: 19919

Ion Ratio Lower Upper

75 100

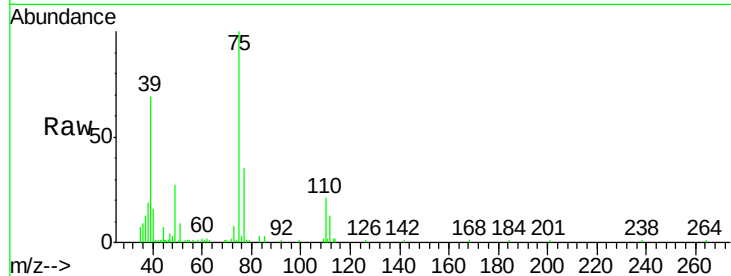
77 35.2 27.6 41.4

Manual Integrations

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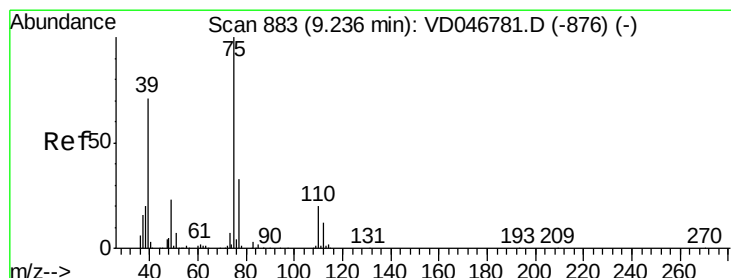
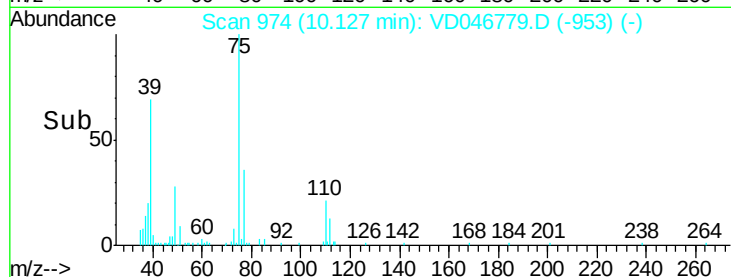
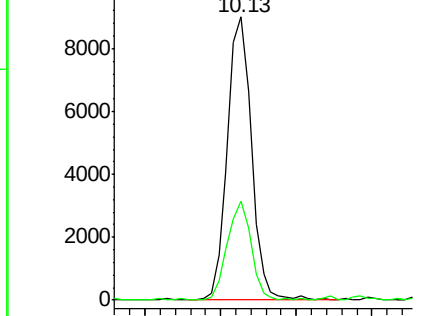
MMDadoda

9/21/2015 11:38:32 AM



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.70 ug/l

RT: 9.23 min Scan# 883

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

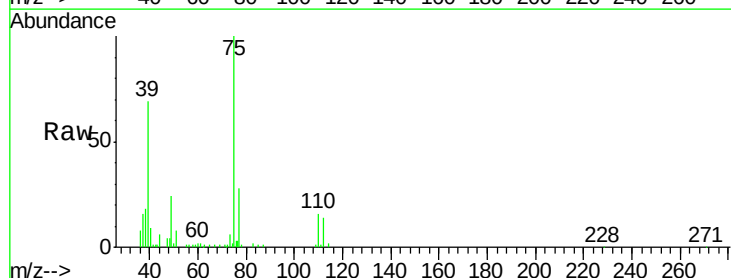
Tgt Ion: 75 Resp: 27473

Ion Ratio Lower Upper

75 100

77 27.6 23.8 35.6

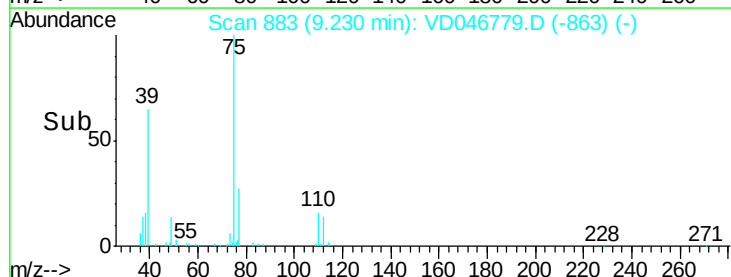
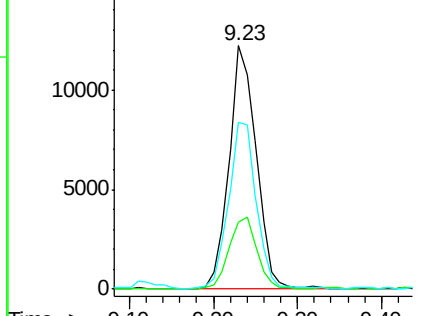
39 68.8 53.0 79.6

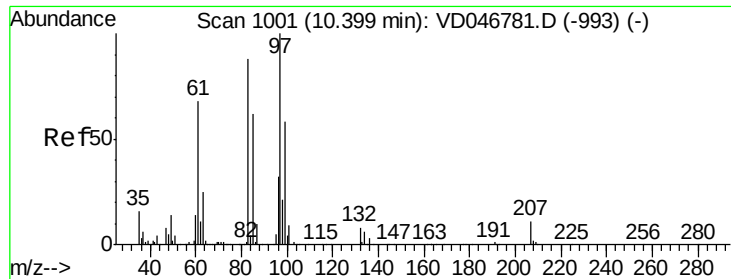


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





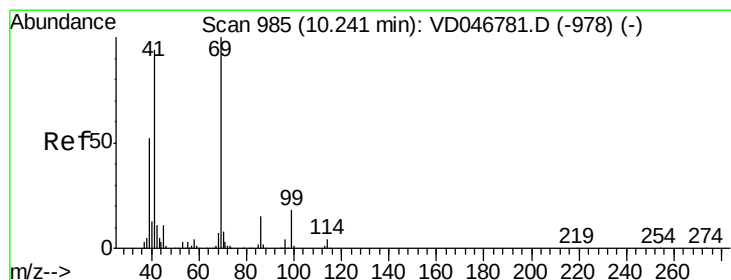
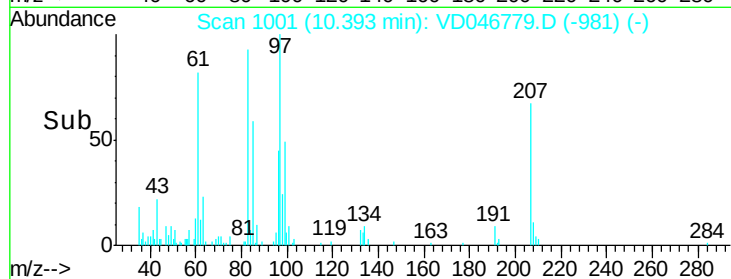
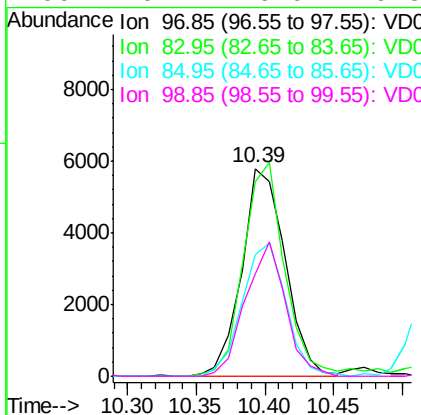
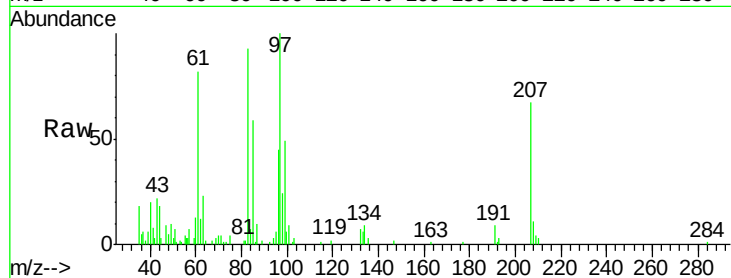
#55
 1,1,2-Trichloroethane
 Concen: 11.03 ug/l
 RT: 10.39 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.5	75.3	112.9
85	58.7	50.9	76.3
99	49.4	46.9	70.3

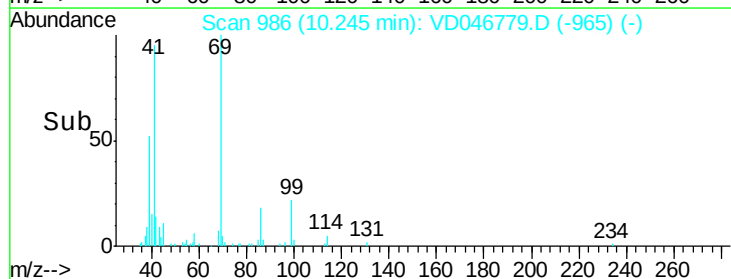
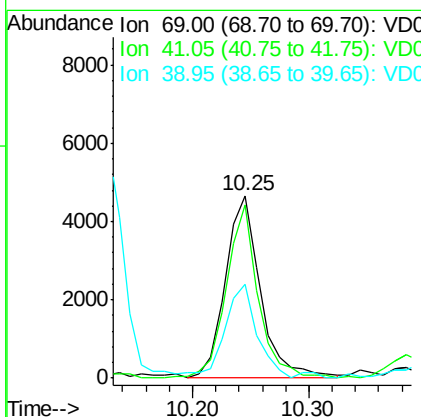
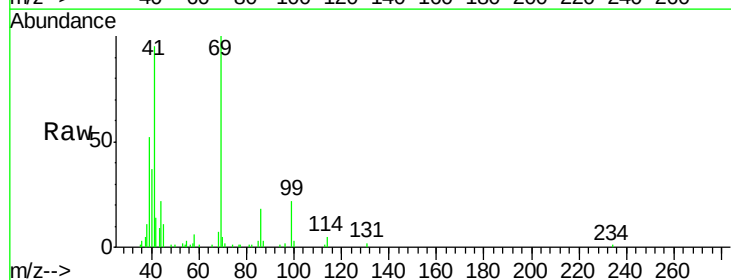
Manual Integrations
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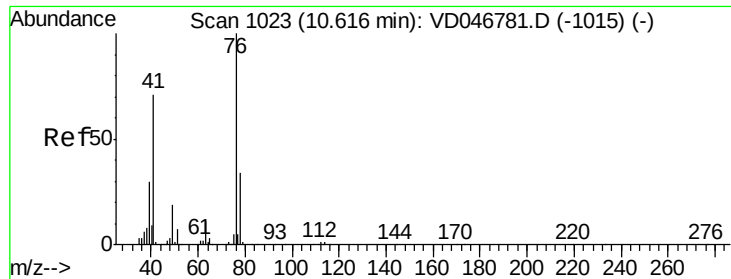
MMDadoda
 9/21/2015 11:38:32 AM



#56
 Ethyl methacrylate
 Concen: 8.72 ug/l
 RT: 10.25 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
69	100		
41	95.3	75.4	113.0
39	51.7	41.0	61.4





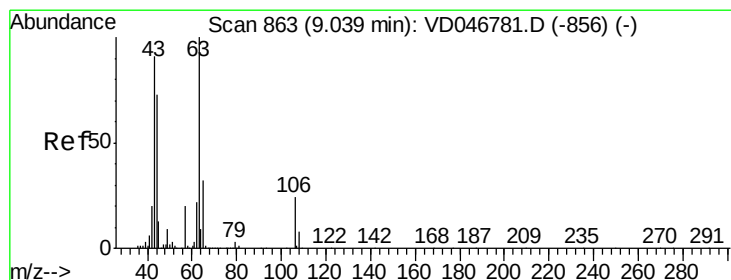
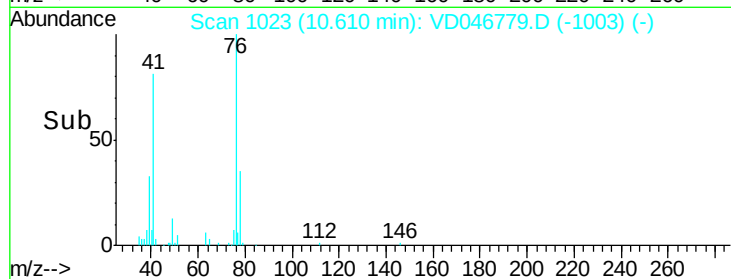
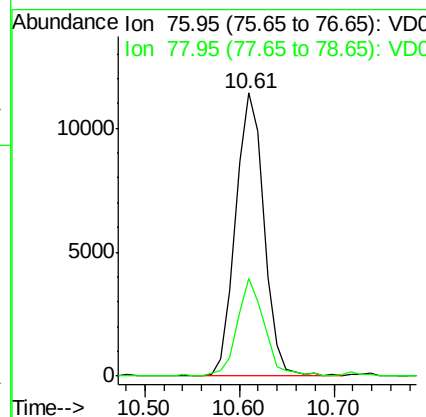
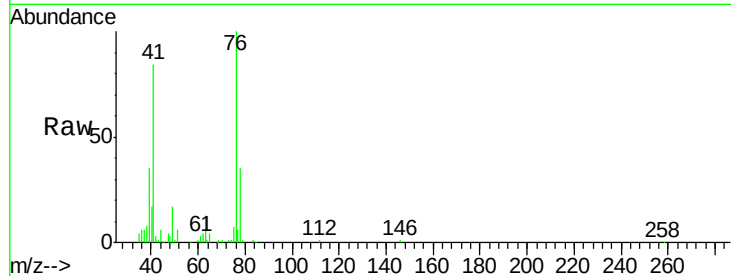
#57
 1,3-Dichloropropane
 Concen: 10.65 ug/l
 RT: 10.61 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 76 Resp: 23726
 Ion Ratio Lower Upper
 76 100
 78 34.6 26.6 39.8

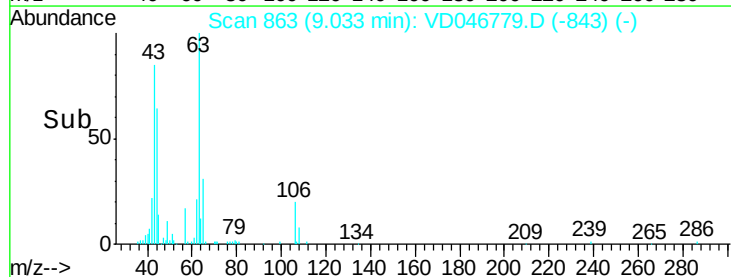
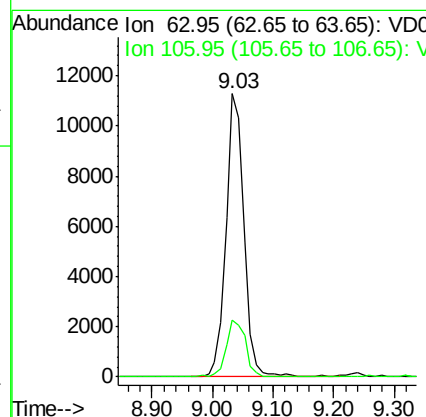
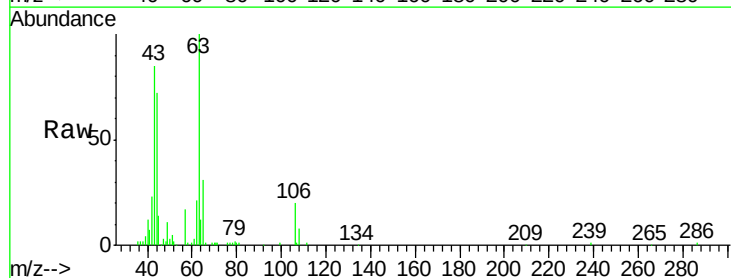
Manual Integrations
 APPROVED

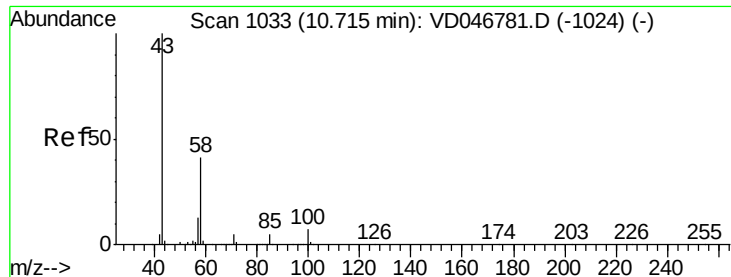
MMDadoda
 9/21/2015 11:38:32 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 37.67 ug/l m
 RT: 9.03 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 63 Resp: 23206
 Ion Ratio Lower Upper
 63 100
 106 20.2 17.8 26.8





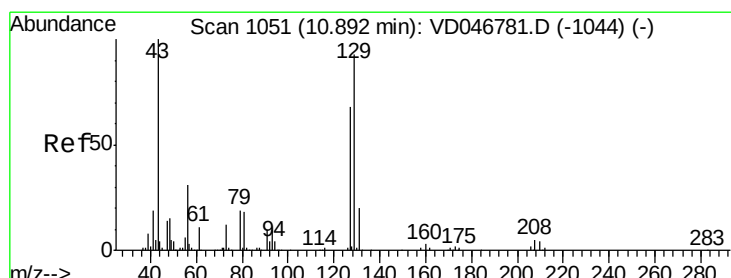
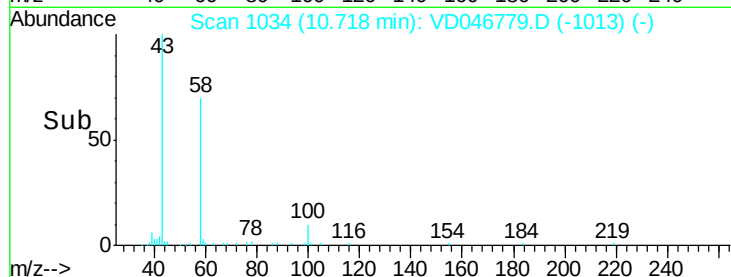
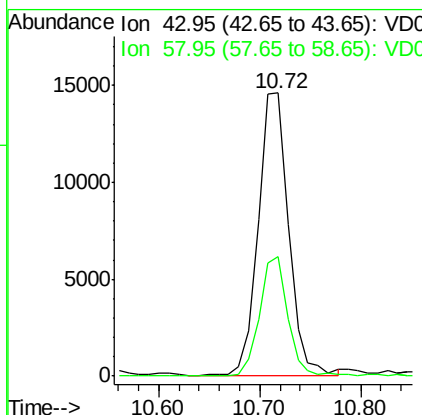
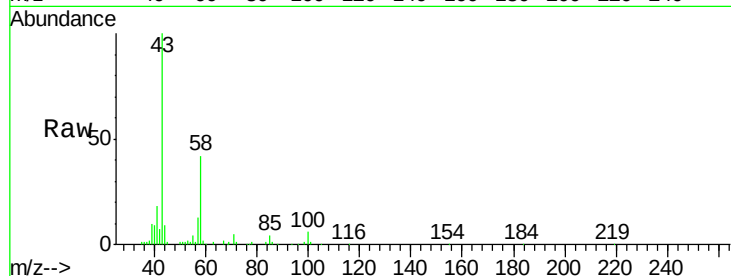
#59
2-Hexanone
Concen: 43.93 ug/l
RT: 10.72 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 30501
Ion Ratio Lower Upper
43 100
58 42.3 18.6 55.8

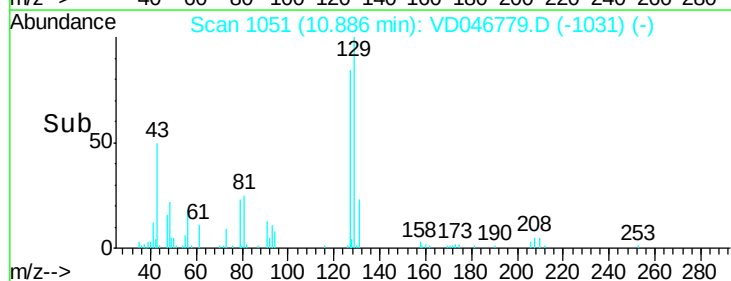
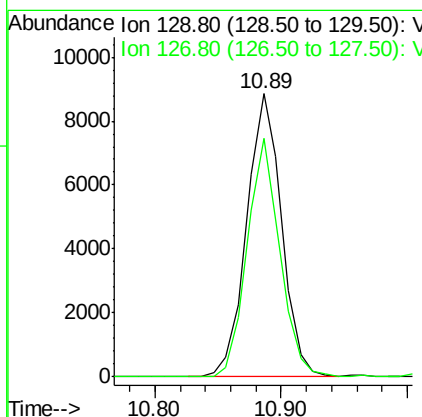
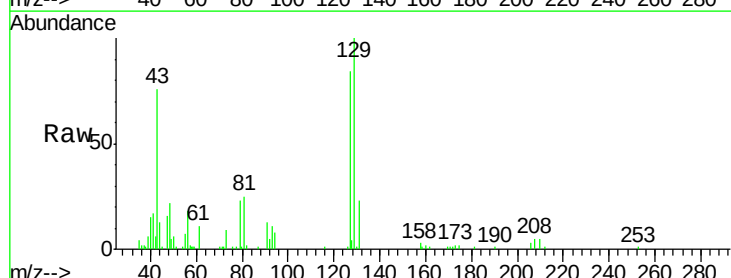
Manual Integrations
APPROVED

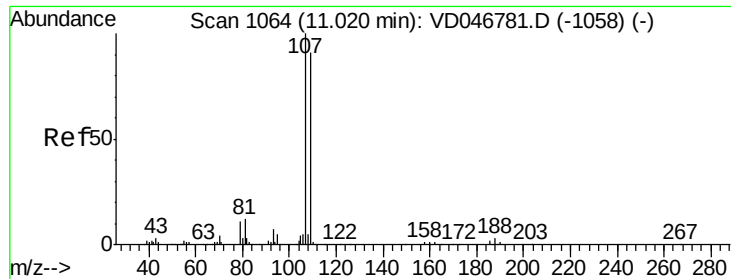
MMDadoda
9/21/2015 11:38:32 AM



#60
Dibromochloromethane
Concen: 10.52 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion: 129 Resp: 17011
Ion Ratio Lower Upper
129 100
127 84.1 38.2 114.6





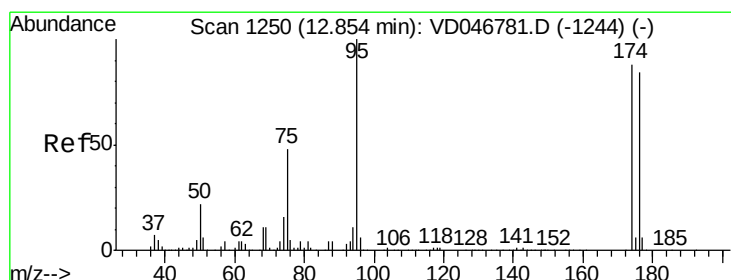
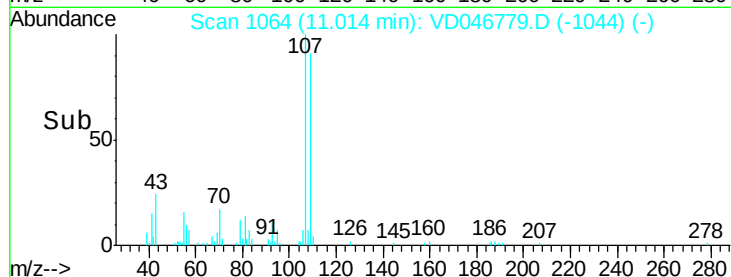
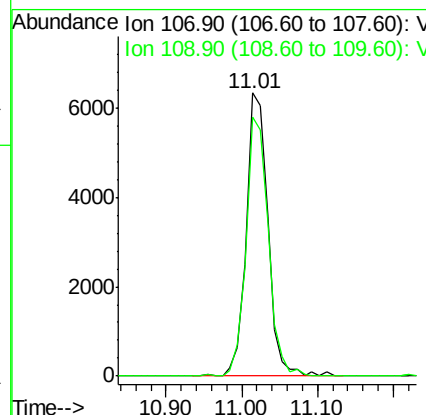
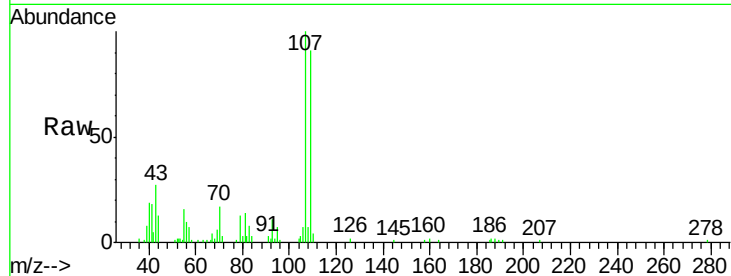
#61
 1,2-Dibromoethane
 Concen: 11.09 ug/l
 RT: 11.01 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 107 Resp: 12538
 Ion Ratio Lower Upper
 107 100
 109 91.3 71.4 107.0

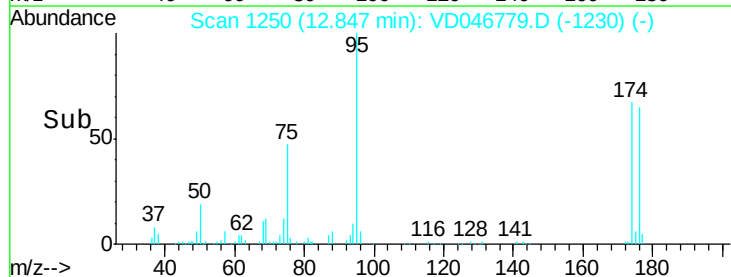
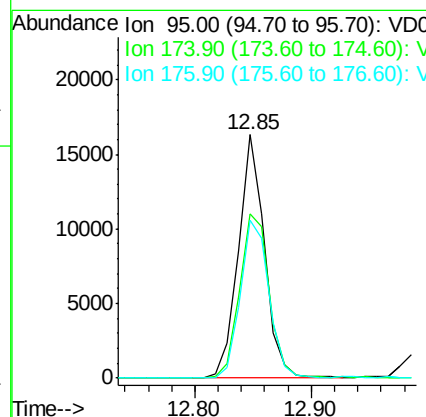
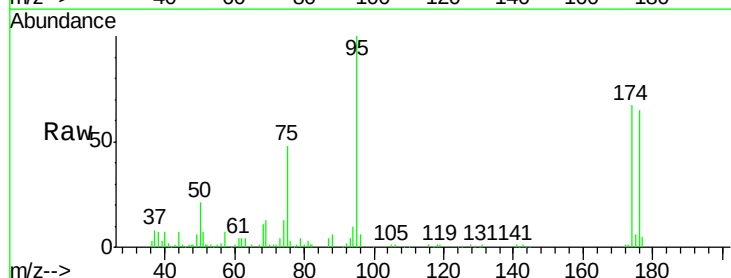
Manual Integrations
 APPROVED

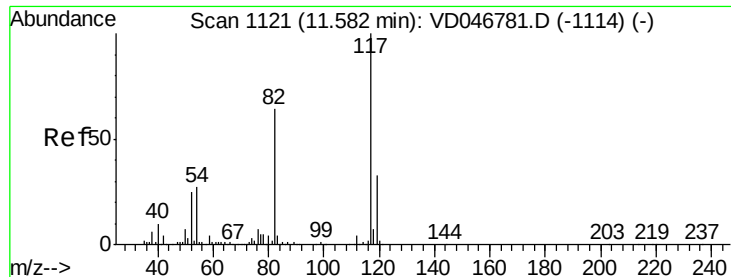
MMDadoda
 9/21/2015 11:38:32 AM



#62
 4-Bromofluorobenzene
 Concen: 11.09 ug/l
 RT: 12.85 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion: 95 Resp: 25330
 Ion Ratio Lower Upper
 95 100
 174 67.2 0.0 149.8
 176 65.1 0.0 143.4





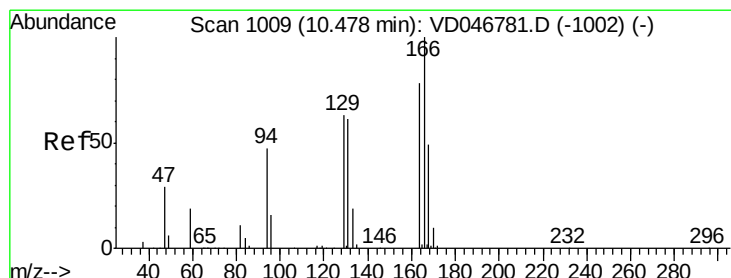
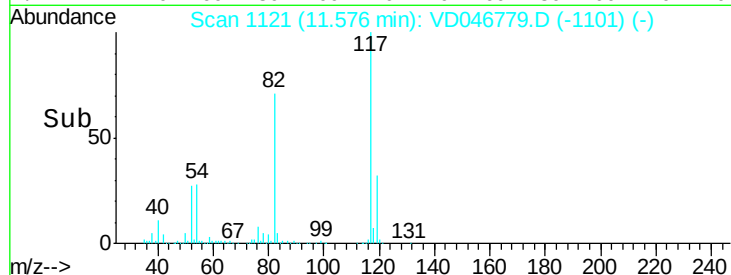
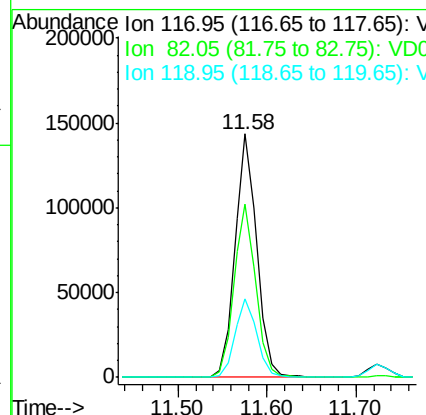
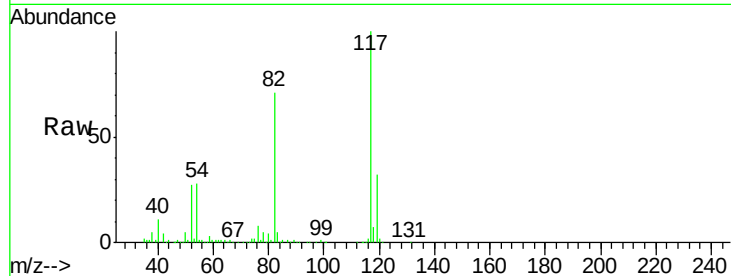
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	246886		
82	71.1	50.6	75.8	
119	32.3	25.8	38.8	

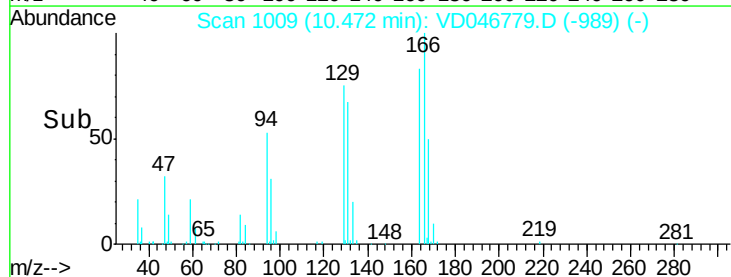
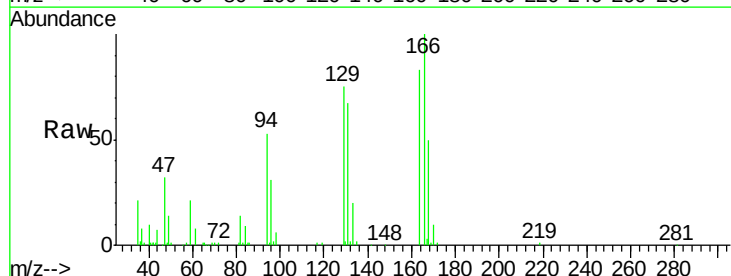
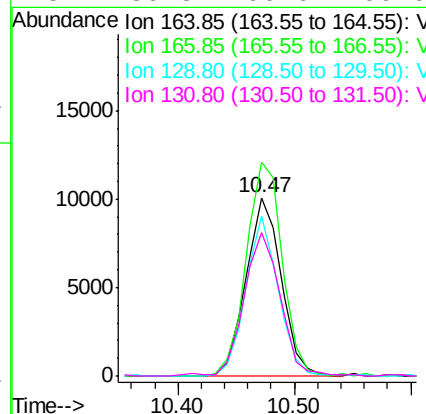
Manual Integrations
APPROVED

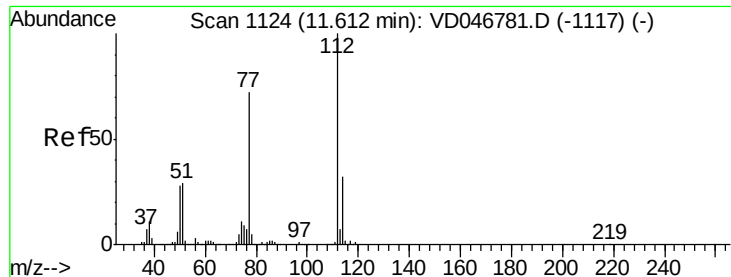
MMDadoda
9/21/2015 11:38:32 AM



#64
Tetrachloroethene
Concen: 9.53 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21050		
166	120.0	106.8	160.2	
129	89.9	70.6	106.0	
131	80.8	66.6	100.0	





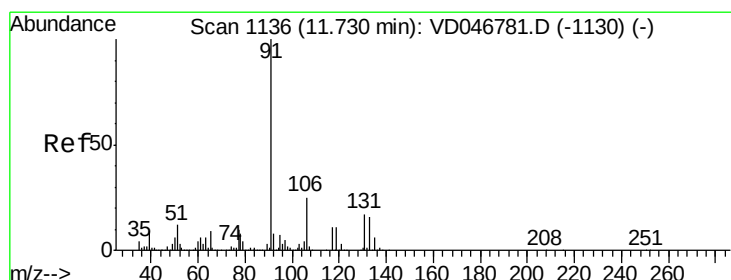
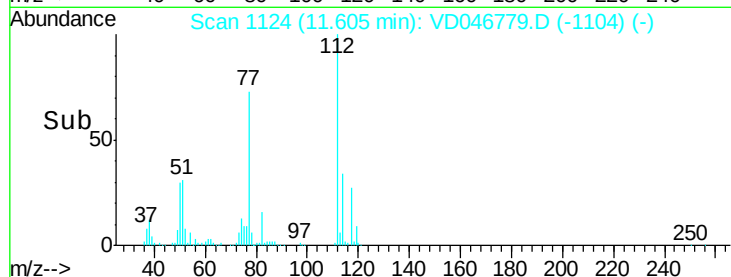
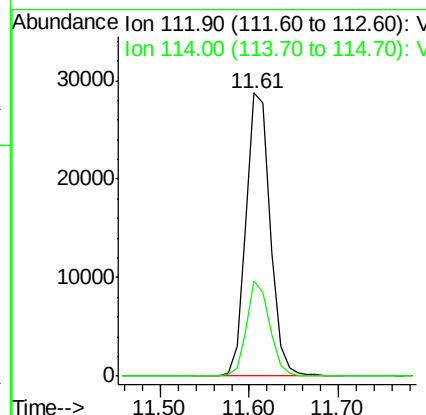
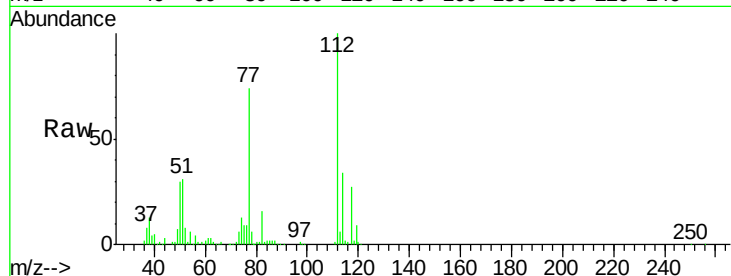
#65
Chlorobenzene
Concen: 9.96 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 54020
Ion Ratio Lower Upper
112 100
114 33.6 25.3 37.9

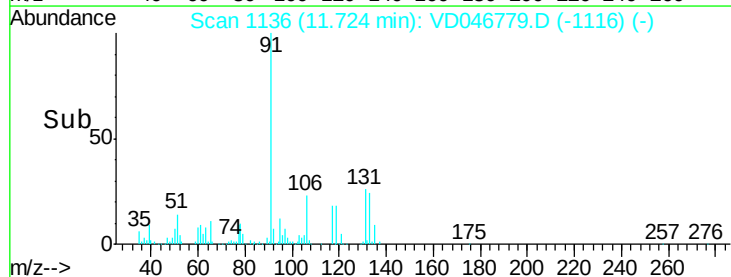
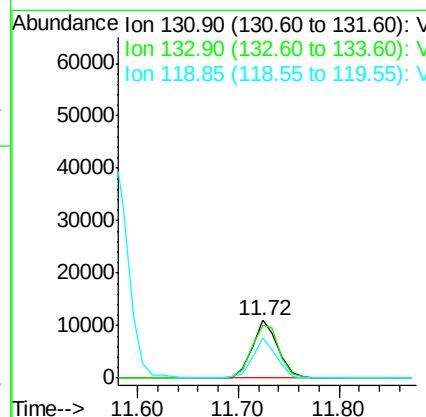
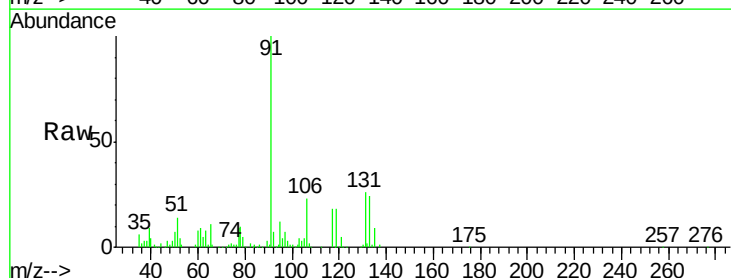
Manual Integrations
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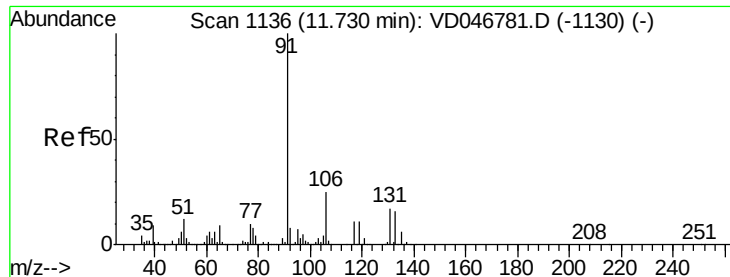
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.78 ug/l
RT: 11.72 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:131 Resp: 19694
Ion Ratio Lower Upper
131 100
133 92.2 48.4 145.0
119 68.6 31.5 94.5





#67

Ethyl Benzene

Concen: 9.43 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 104397

Ion Ratio Lower Upper

91 100

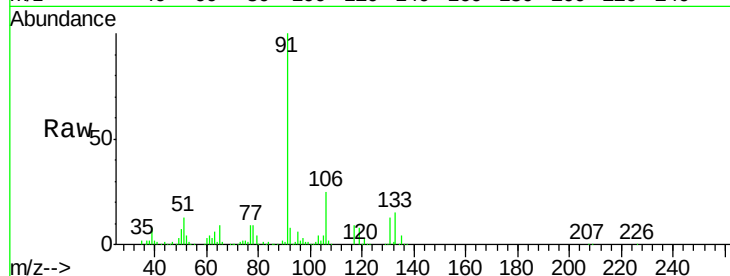
106 24.8 20.2 30.2

Manual Integrations

APPROVED

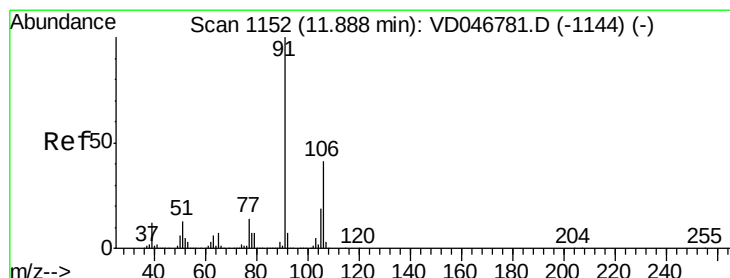
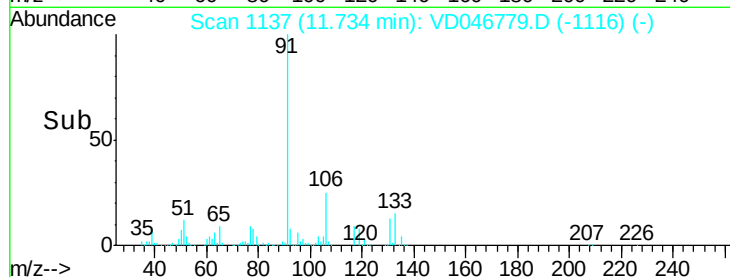
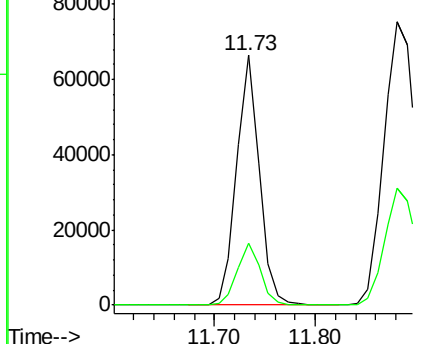
MMDadoda

9/21/2015 11:38:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 19.13 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VD046779.D

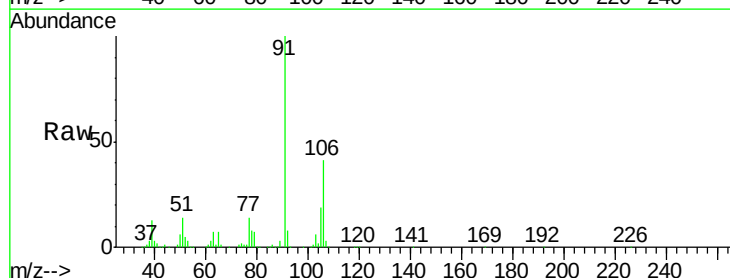
Acq: 18 Sep 2015 12:22

Tgt Ion: 106 Resp: 66226

Ion Ratio Lower Upper

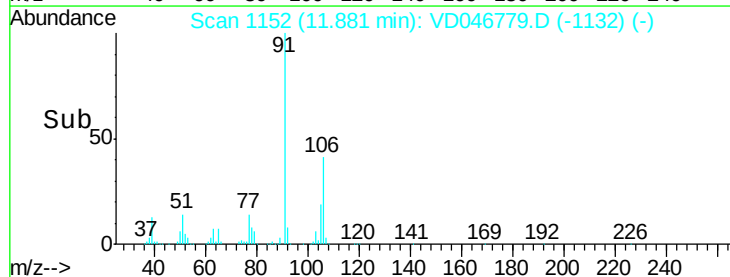
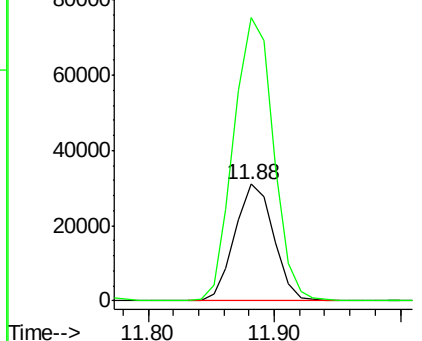
106 100

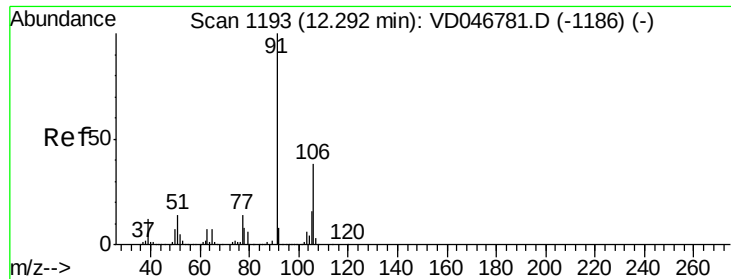
91 242.1 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





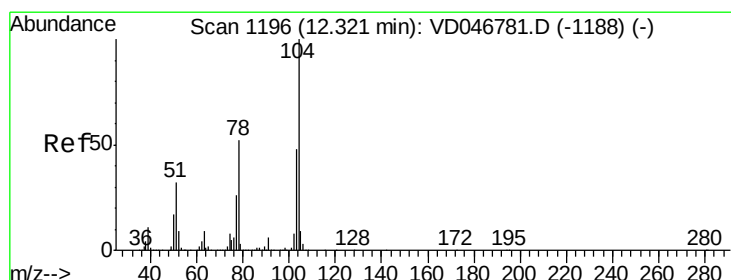
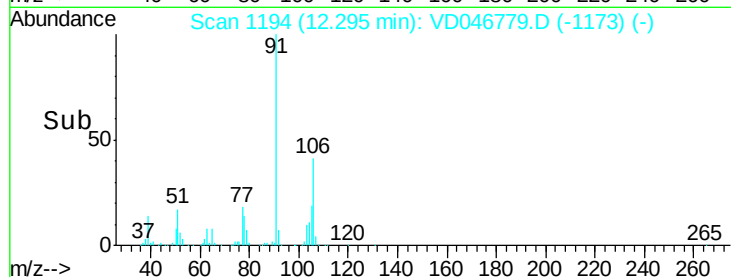
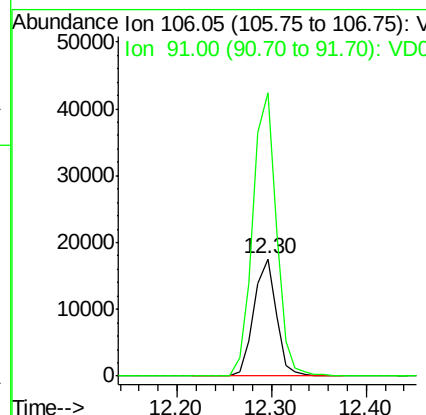
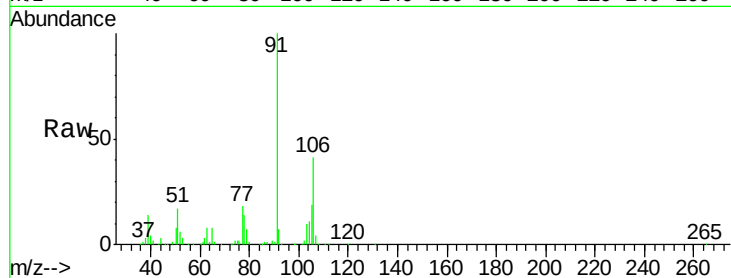
#69
o-Xylene
Concen: 9.42 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 29049
Ion Ratio Lower Upper
106 100
91 241.4 124.8 374.5

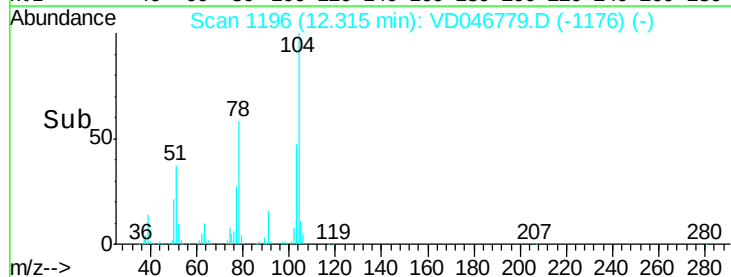
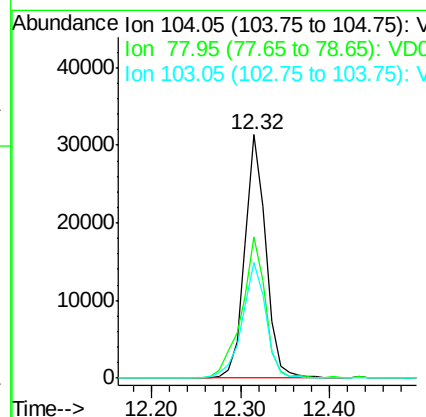
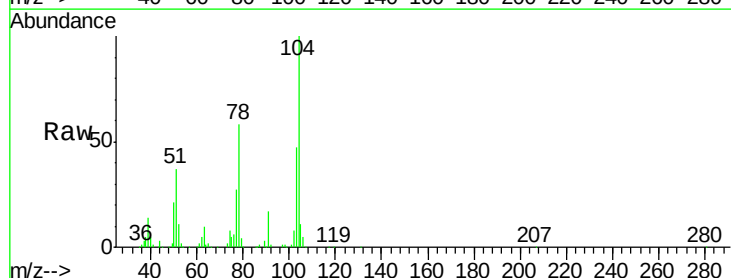
Manual Integrations
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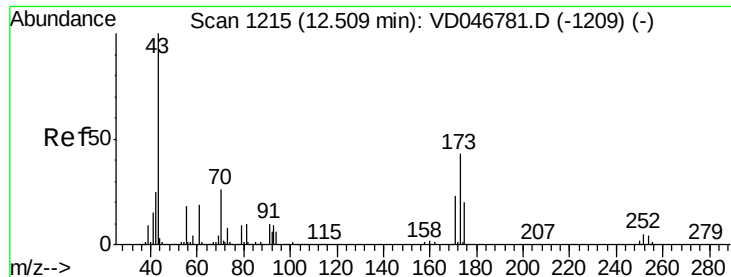
MMDadoda
9/21/2015 11:38:32 AM



#70
Styrene
Concen: 9.82 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion:104 Resp: 51568
Ion Ratio Lower Upper
104 100
78 58.0 44.5 66.7
103 47.4 40.3 60.5





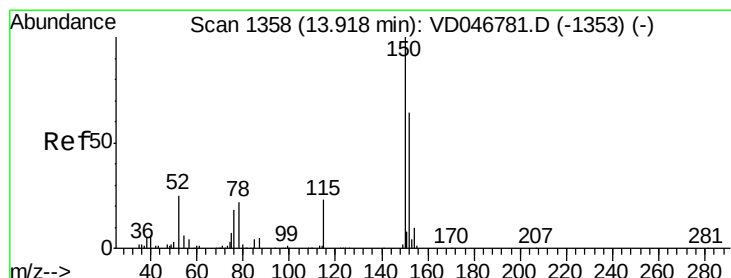
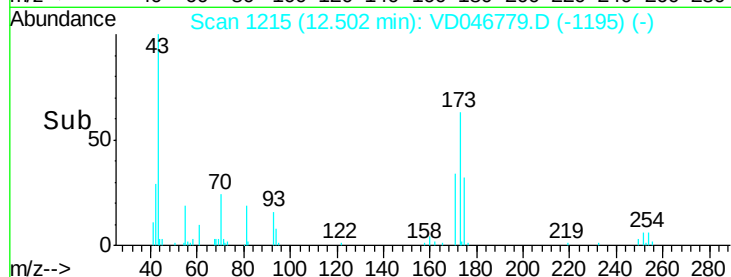
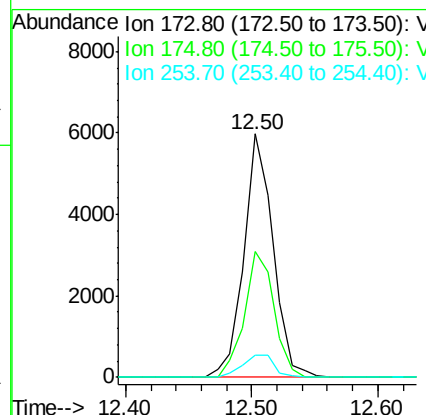
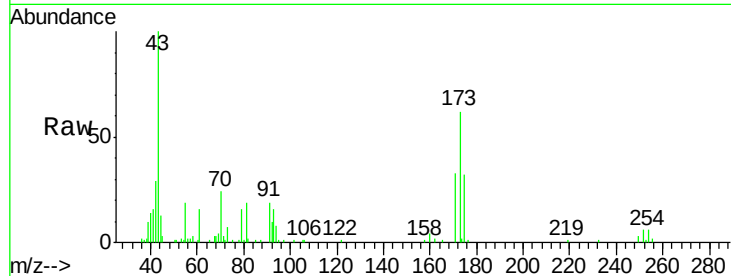
#71
Bromoform
Concen: 9.54 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	9553		
175	51.6	23.1	69.3	
254	9.0	8.7	13.1	

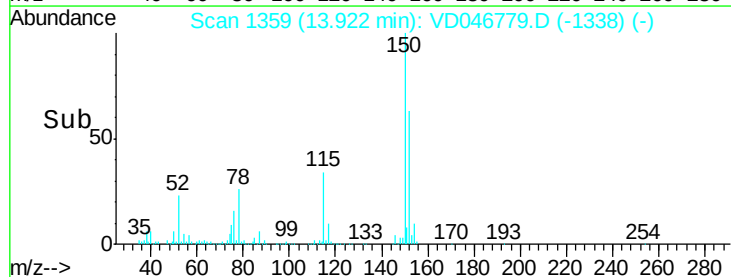
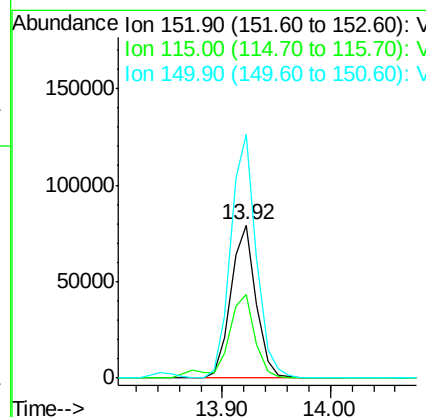
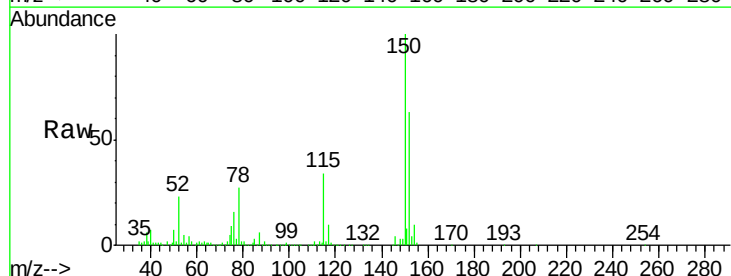
Manual Integrations
APPROVED

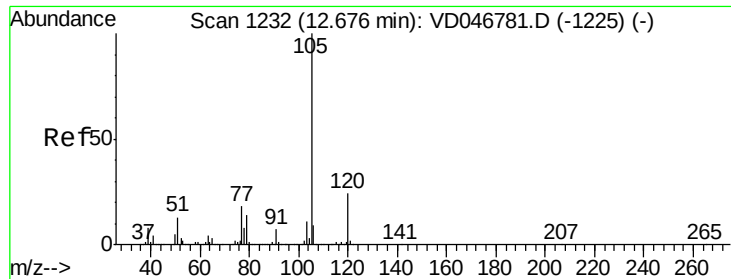
MMDadoda
9/21/2015 11:38:32 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	128367		
115	54.4	26.2	78.6	
150	158.9	0.0	311.8	





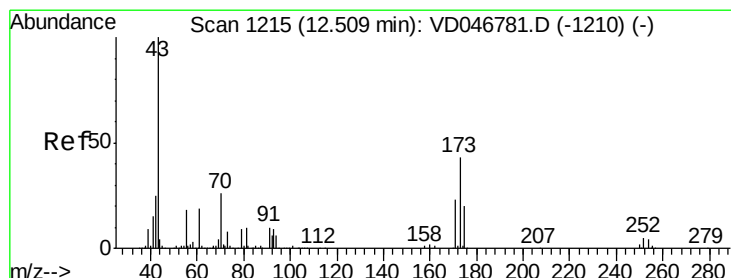
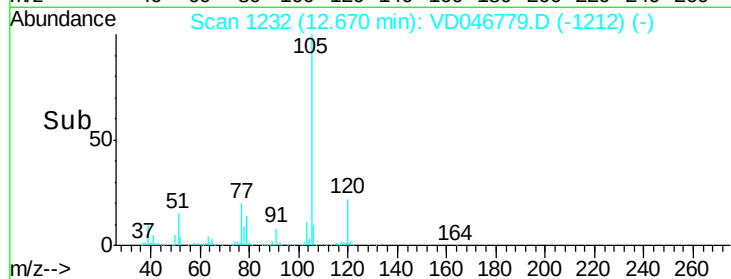
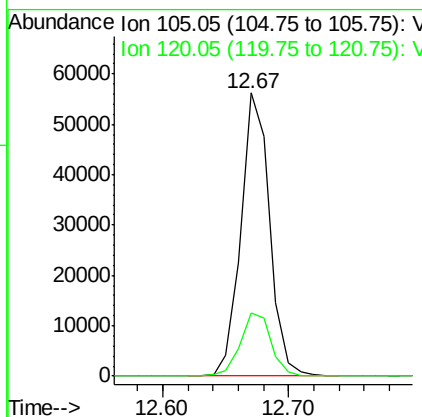
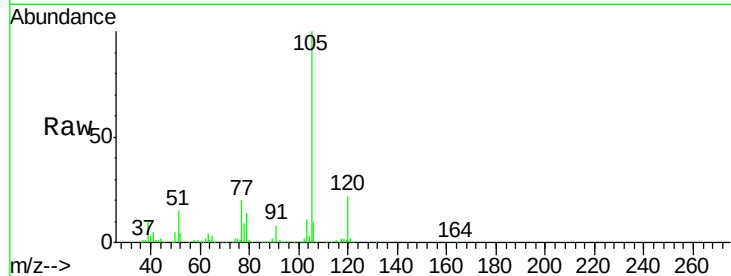
#73
Isopropylbenzene
Concen: 8.93 ug/l
RT: 12.67 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
105	100		
120	22.5	12.4	37.4

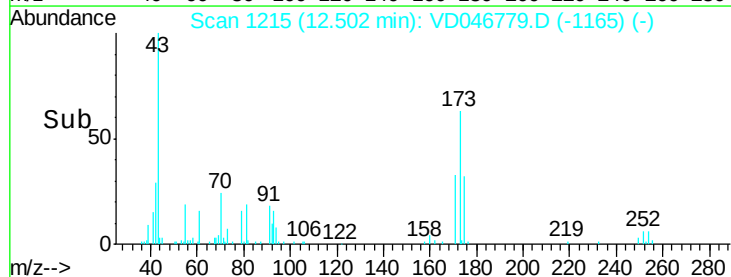
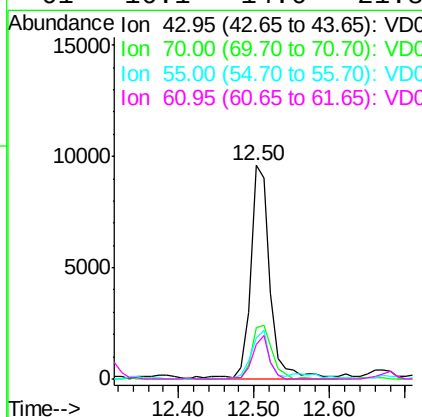
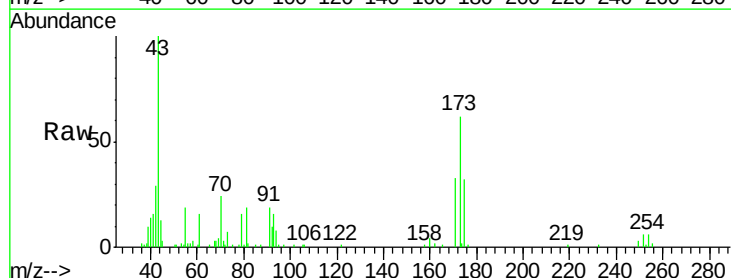
Manual Integrations
APPROVED

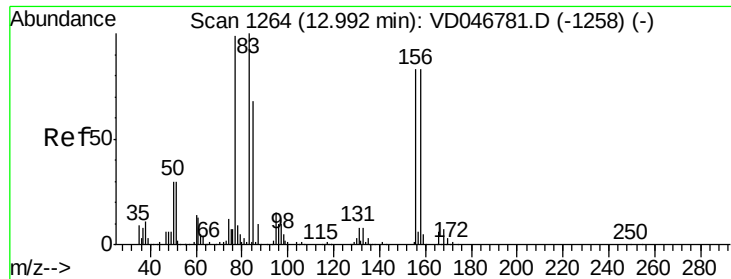
MMDadoda
9/21/2015 11:38:32 AM



#74
N-ethyl acetate
Concen: 7.90 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	24.0	22.1	33.1
55	19.4	14.5	21.7
61	16.1	14.6	21.8





#75

1,1,2,2-Tetrachloroethane

Concen: 10.34 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

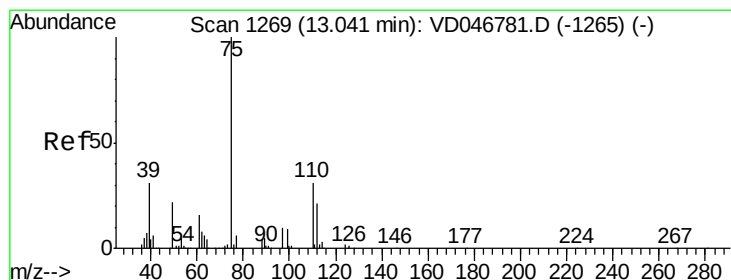
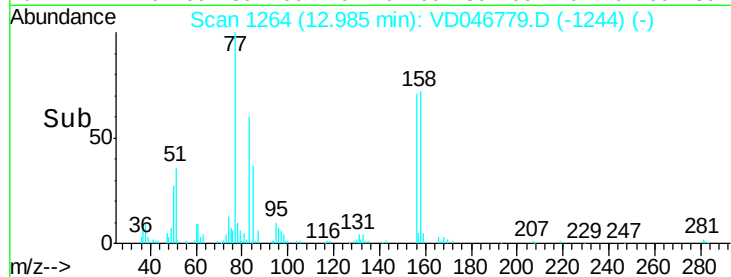
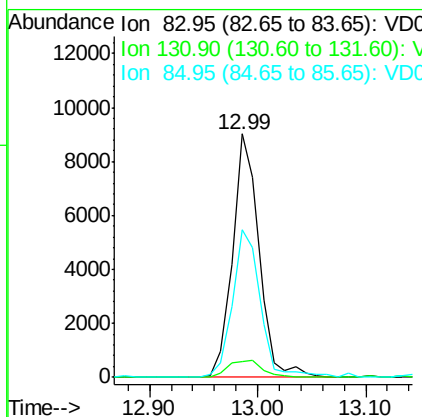
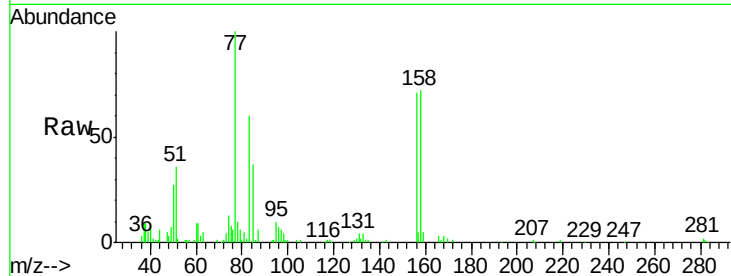
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	15316
Ion Ratio	Lower	Upper	
83	100		
131	6.6	3.9	11.7
85	60.9	30.5	91.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.67 ug/l

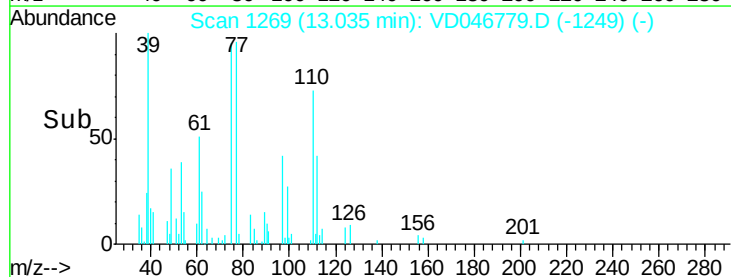
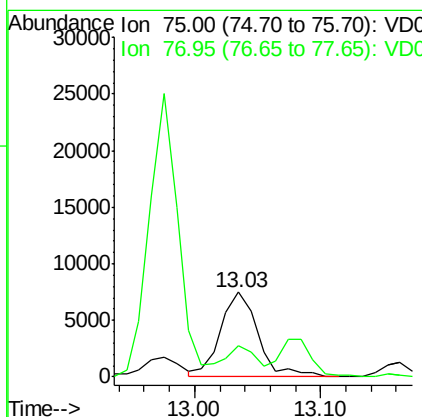
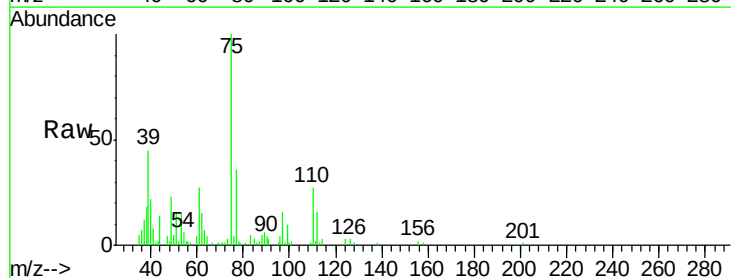
RT: 13.03 min Scan# 1269

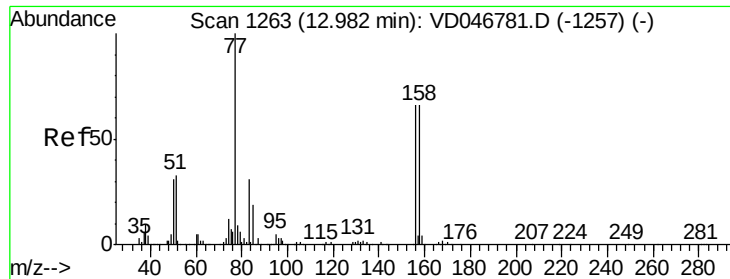
Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion:	75	Resp:	15493
Ion Ratio	Lower	Upper	
75	100		
77	36.2	16.0	48.0





#77

Bromobenzene

Concen: 9.42 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

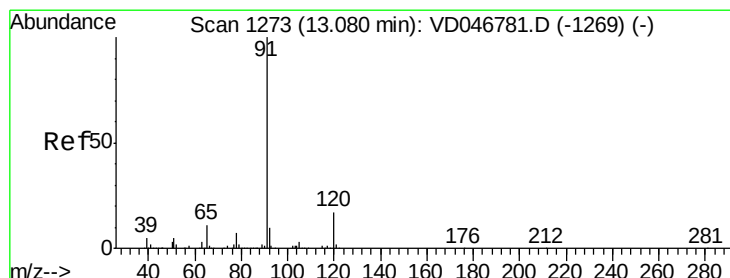
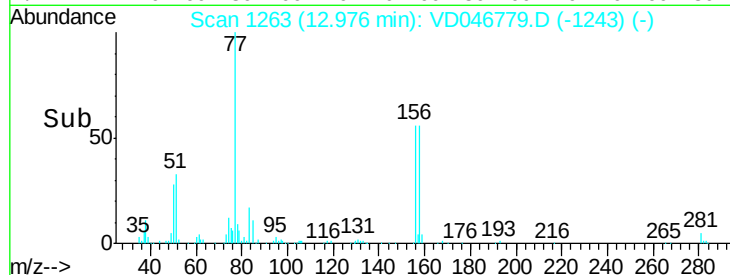
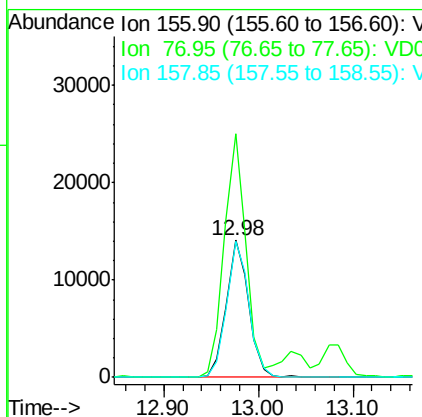
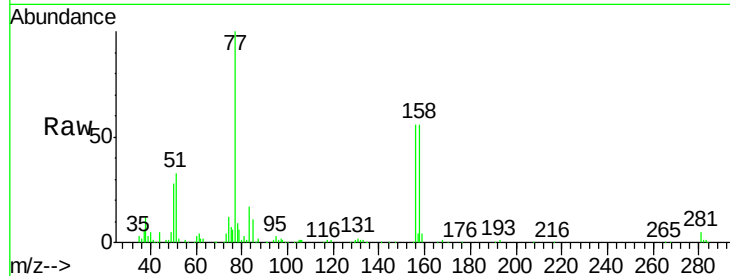
ClientSampleId :

VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	23036		
77	178.0	70.3	210.8	
158	99.3	49.0	147.0	

Manual Integrations
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9/21/2015 11:38:32 AM



#78

n-propylbenzene

Concen: 9.39 ug/l

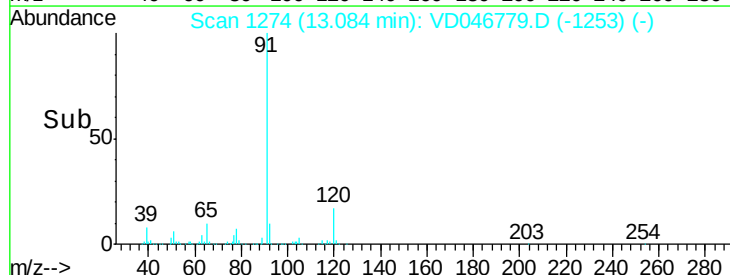
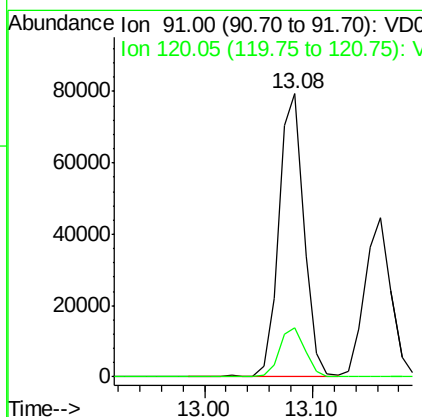
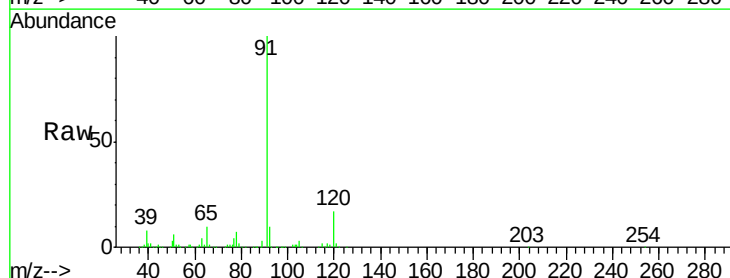
RT: 13.08 min Scan# 1274

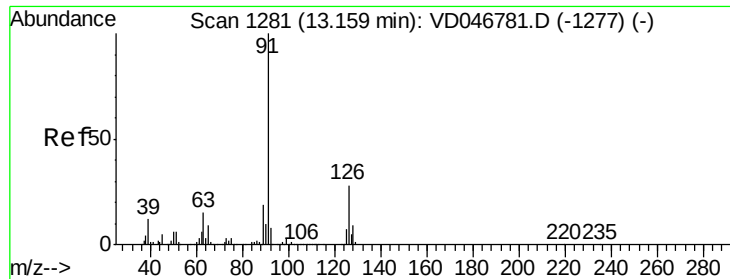
Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	128848		
120	17.3	9.3	27.7	





#79

2-Chlorotoluene

Concen: 9.81 ug/l

RT: 13.16 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 74226

Ion Ratio Lower Upper

91 100

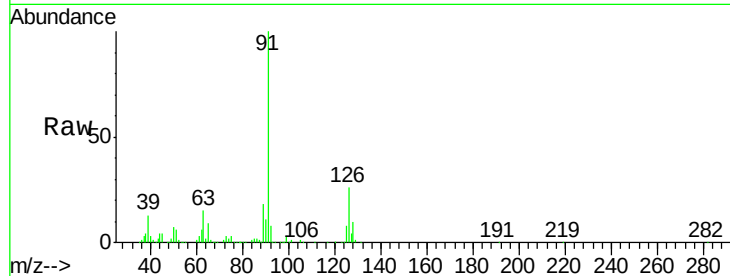
126 26.5 14.1 42.4

Manual Integrations

APPROVED

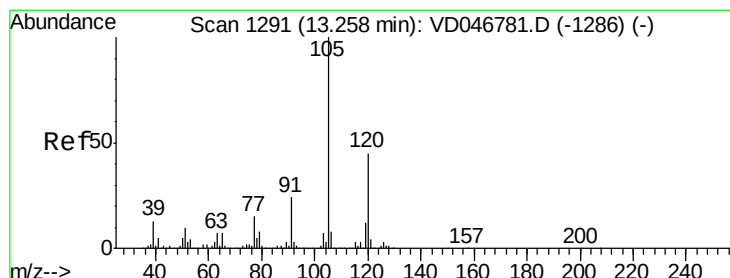
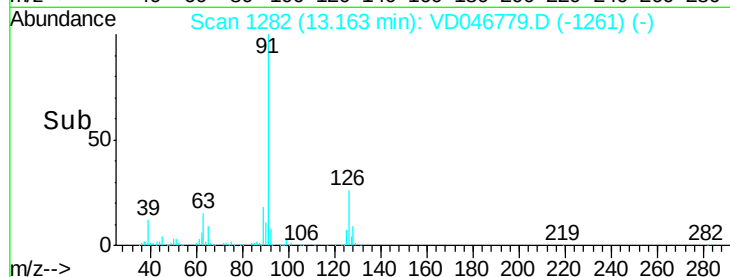
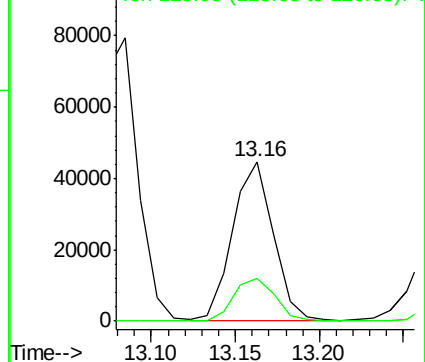
MMDadoda

9/21/2015 11:38:32 AM



Abundance Ion 91.00 (90.70 to 91.70): VD046779.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD046779.D (-1261) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.37 ug/l

RT: 13.25 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VD046779.D

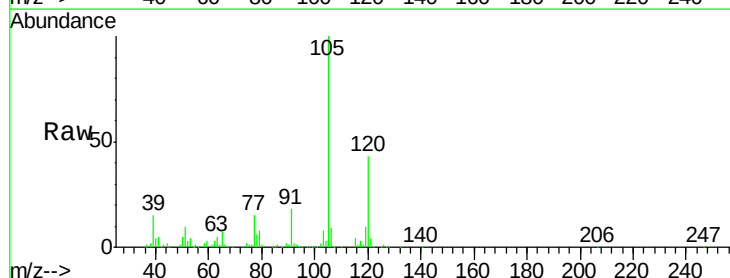
Acq: 18 Sep 2015 12:22

Tgt Ion: 105 Resp: 72219

Ion Ratio Lower Upper

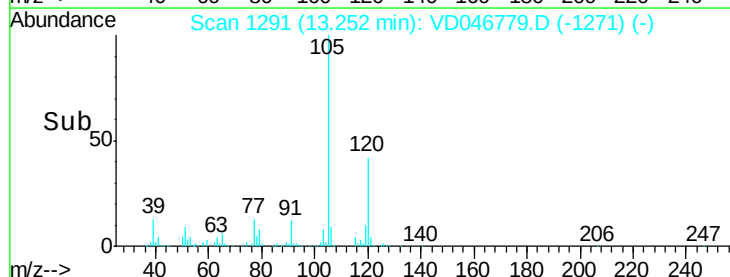
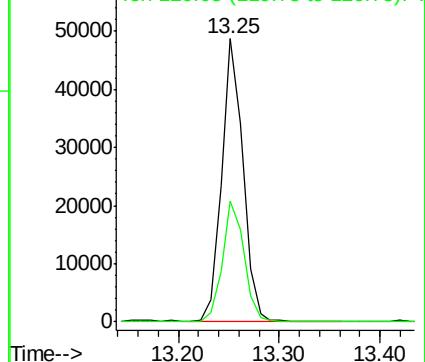
105 100

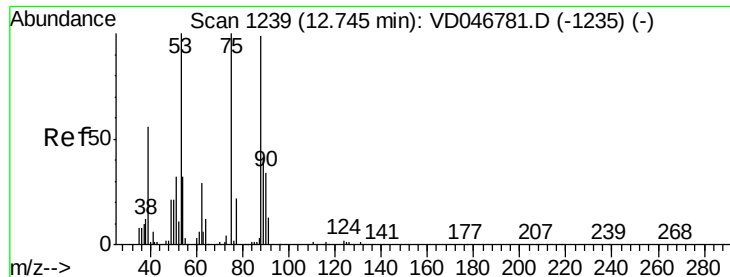
120 42.9 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046779.D (-1271) (-)

Ion 120.05 (119.75 to 120.75): VD046779.D (-1271) (-)





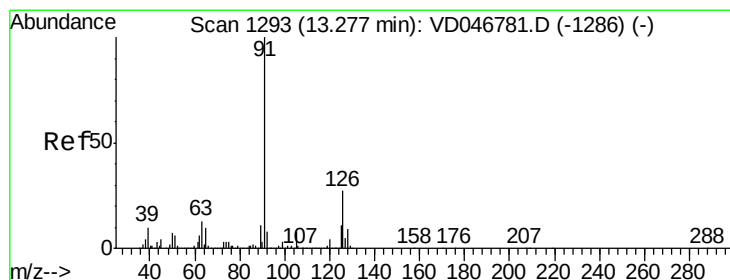
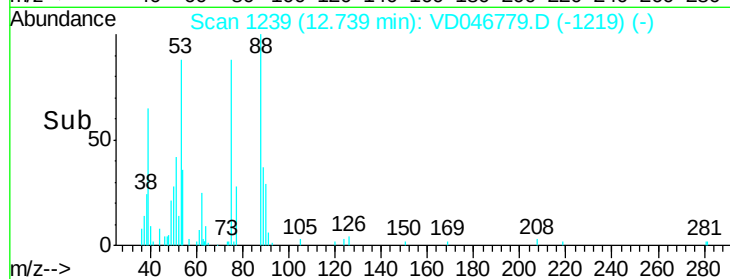
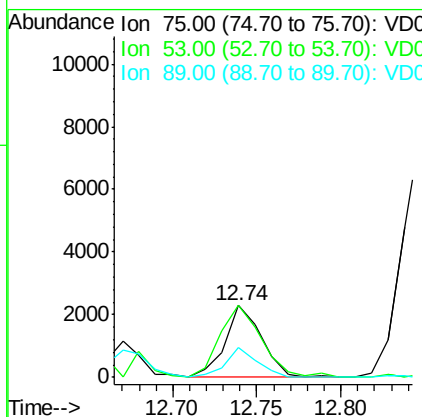
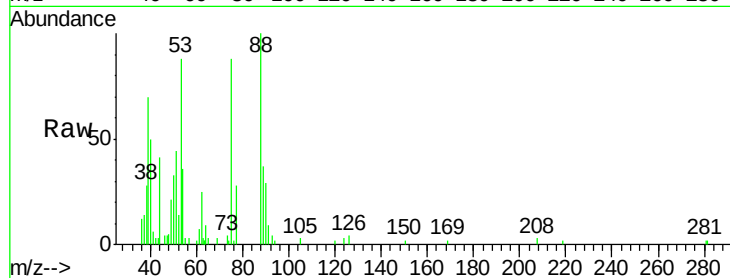
#81
trans-1,4-Dichloro-2-butene
Concen: 8.50 ug/l
RT: 12.74 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	100.8	82.3	123.5
89	41.9	36.6	54.8

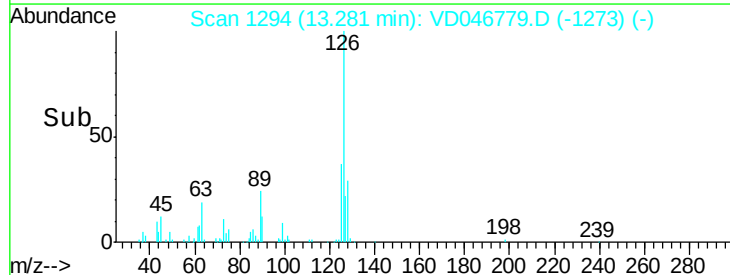
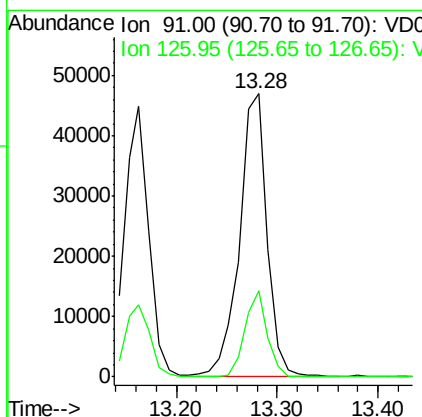
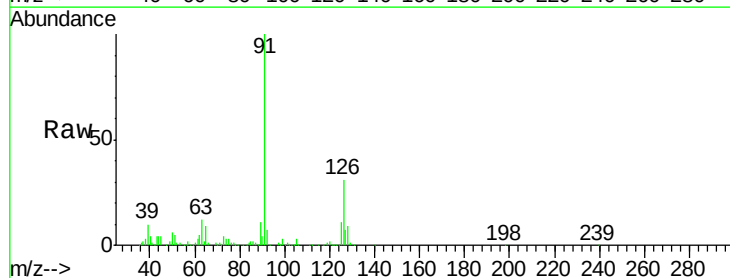
Manual Integrations
APPROVED

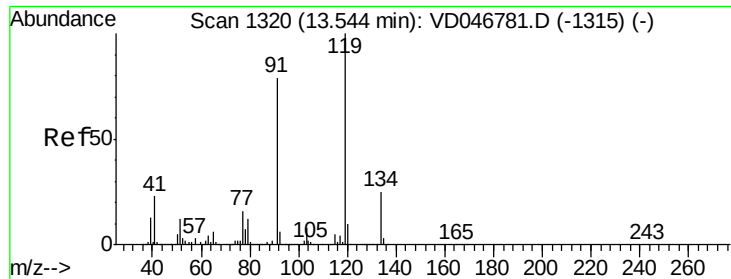
MMDadoda
9/21/2015 11:38:32 AM



#82
4-Chlorotoluene
Concen: 10.04 ug/l
RT: 13.28 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.1	42.4





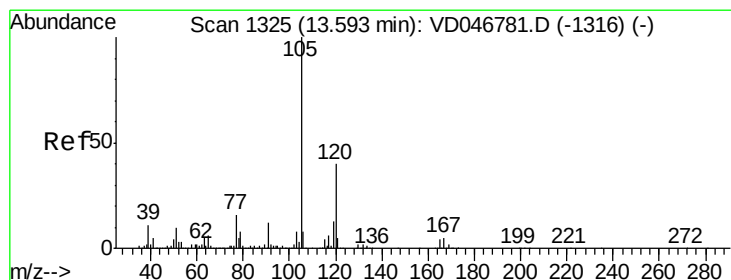
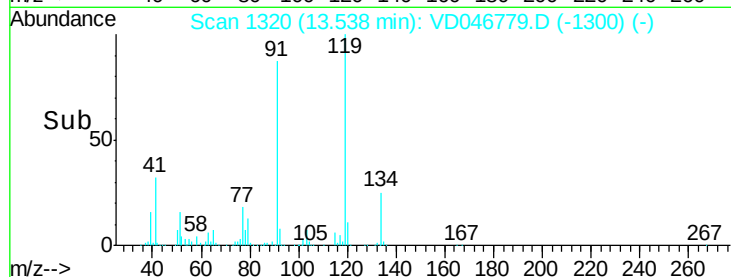
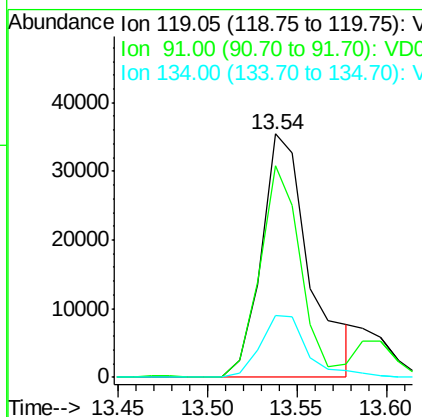
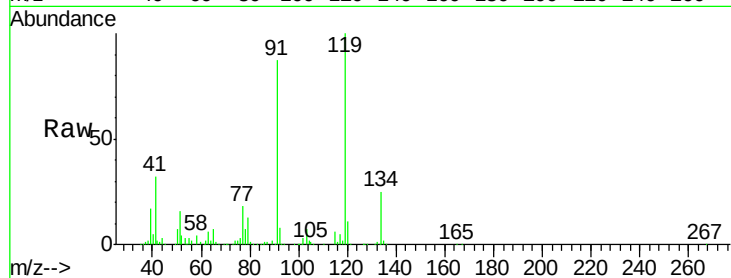
#83
 tert-Butylbenzene
 Concen: 10.32 ug/l m
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	87.1	41.6	124.9
134	25.4	12.4	37.4

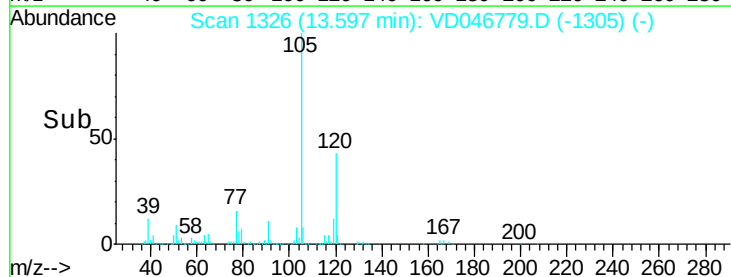
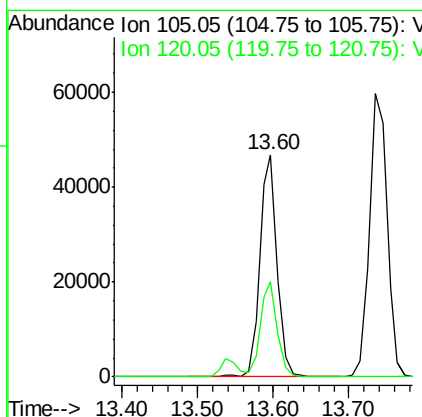
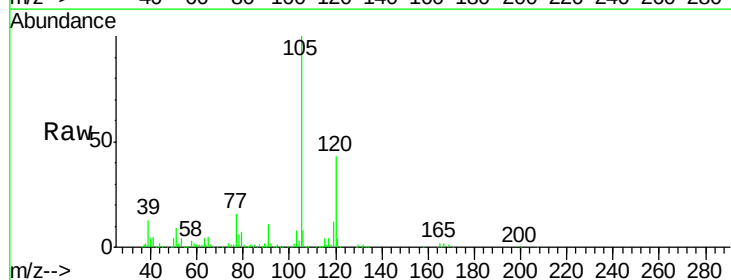
Manual Integrations
 APPROVED

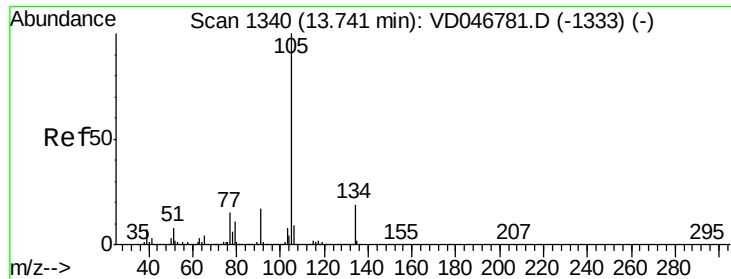
MMDadoda
 9/21/2015 11:38:32 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 9.74 ug/l
 RT: 13.60 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.1	63.1





#85

sec-Butylbenzene

Concen: 9.62 ug/l

RT: 13.73 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion:105 Resp: 96202

Ion Ratio Lower Upper

105 100

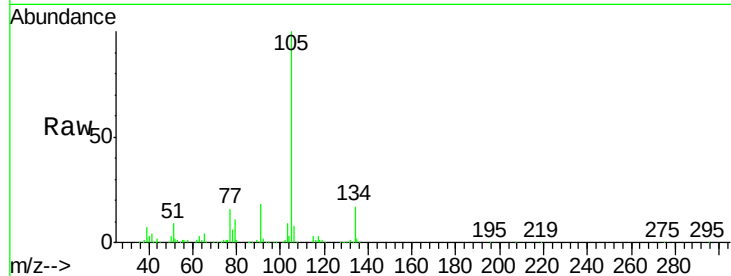
134 16.7 10.1 30.3

Manual Integrations

APPROVED

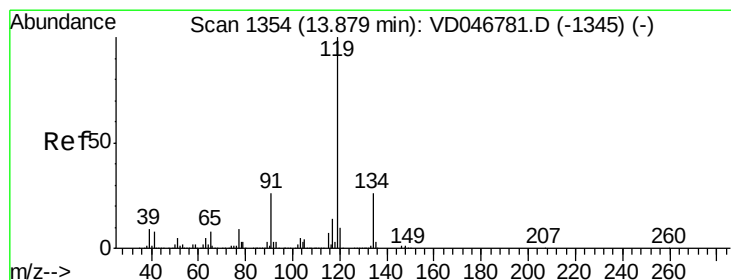
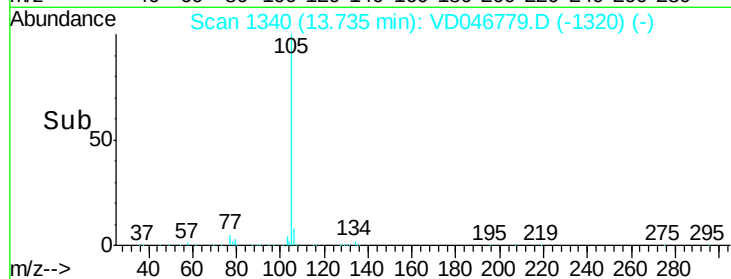
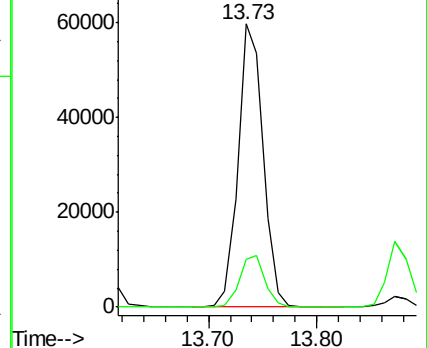
MMDadoda

9/21/2015 11:38:32 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 9.62 ug/l

RT: 13.87 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

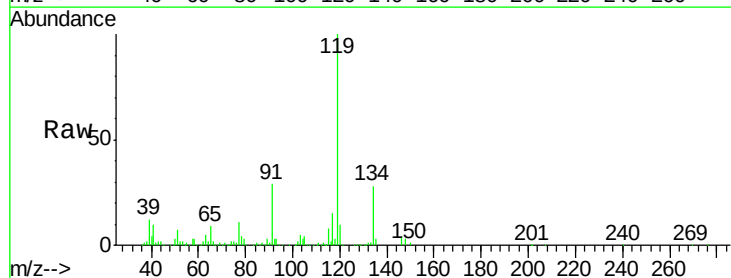
Tgt Ion:119 Resp: 75660

Ion Ratio Lower Upper

119 100

134 27.8 13.0 38.9

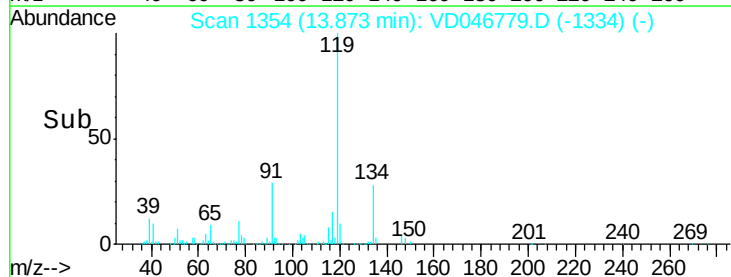
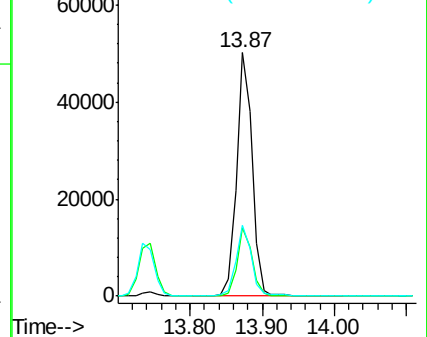
91 28.9 13.8 41.3

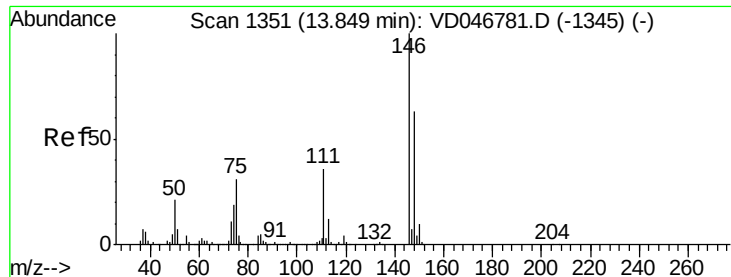


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





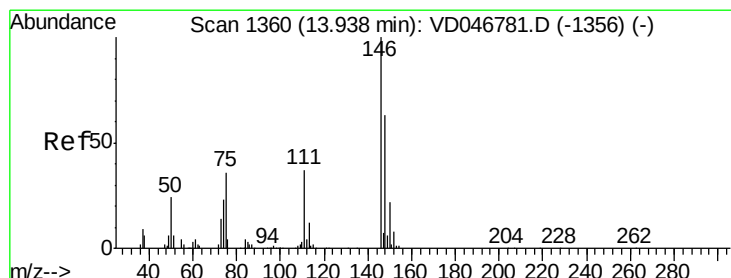
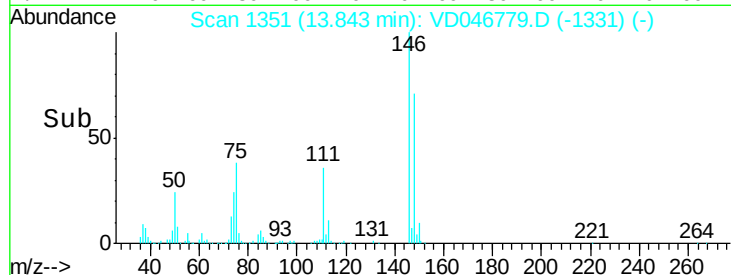
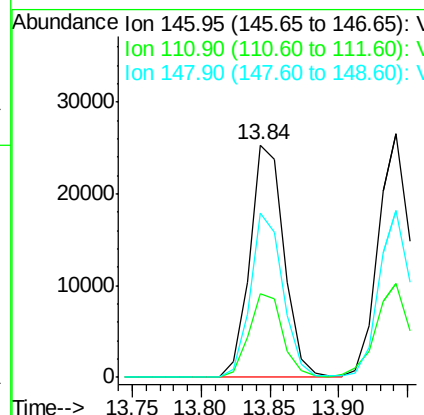
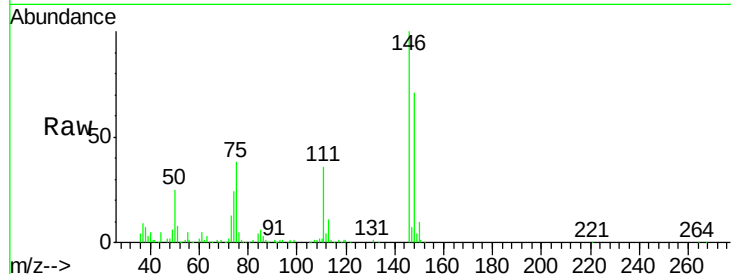
#87
 1,3-Dichlorobenzene
 Concen: 9.97 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.4	52.2
148	71.0	33.0	99.0

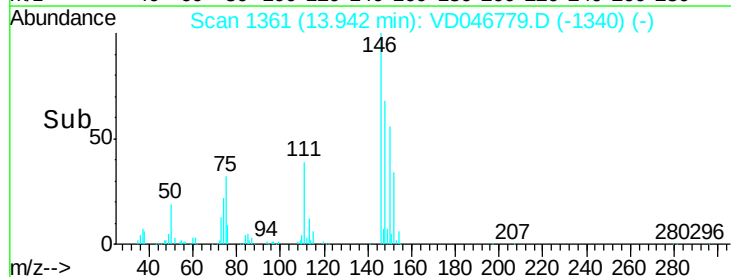
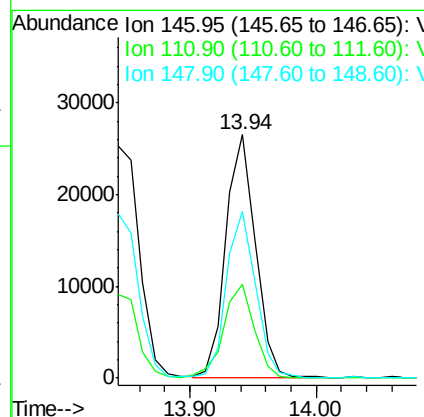
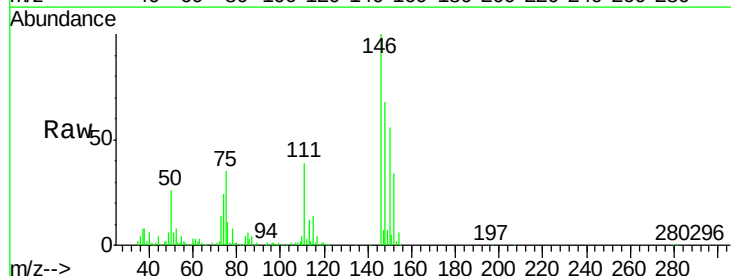
Manual Integrations
 APPROVED

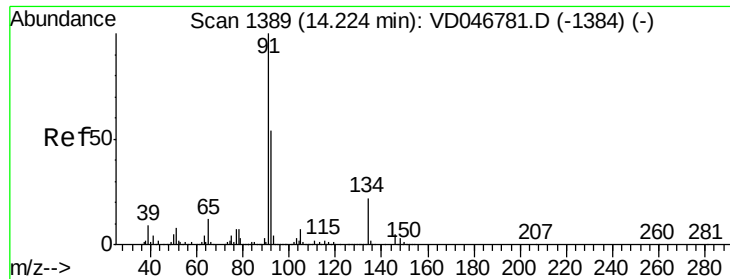
MMDadoda
 9/21/2015 11:38:32 AM



#88
 1,4-Dichlorobenzene
 Concen: 9.96 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	17.0	51.0
148	68.3	31.9	95.7





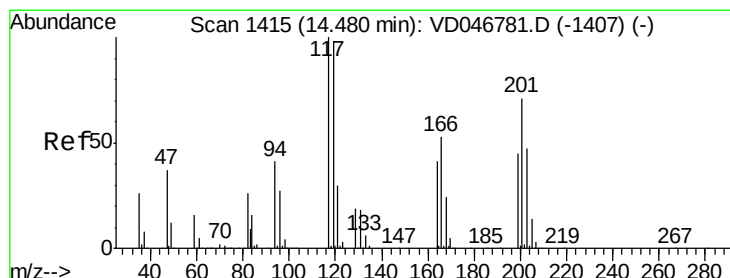
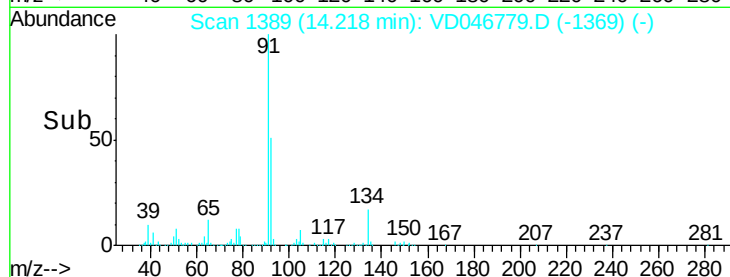
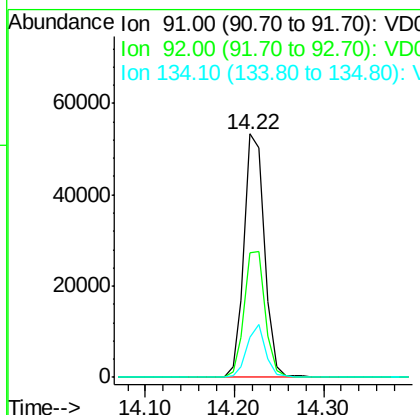
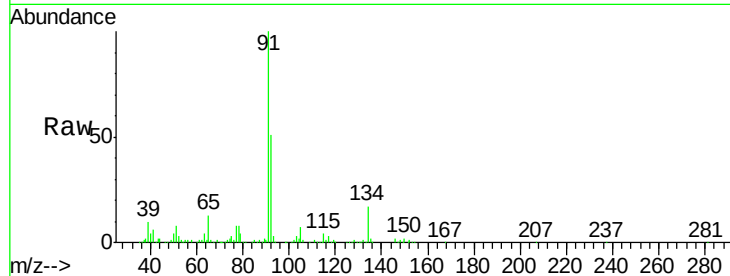
#89
n-Butylbenzene
Concen: 9.73 ug/l
RT: 14.22 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	27.1	81.2
134	16.7	9.6	28.6

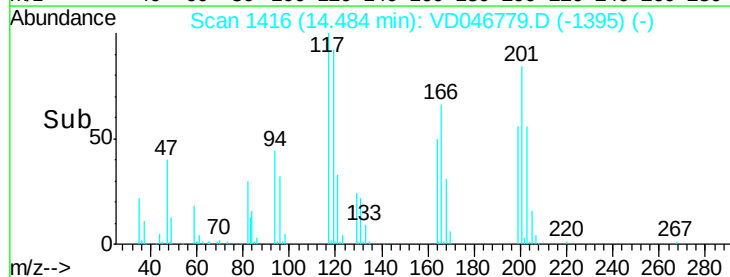
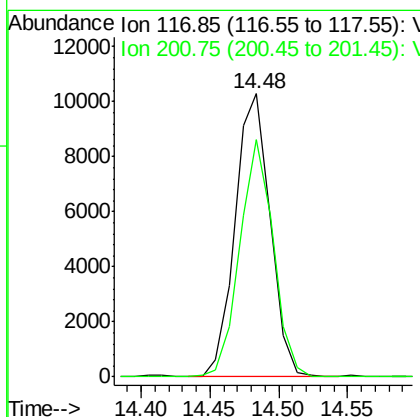
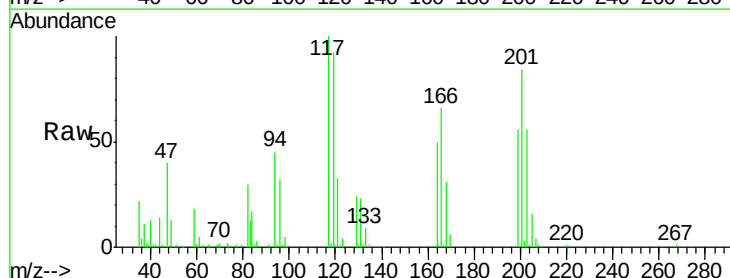
Manual Integrations
APPROVED

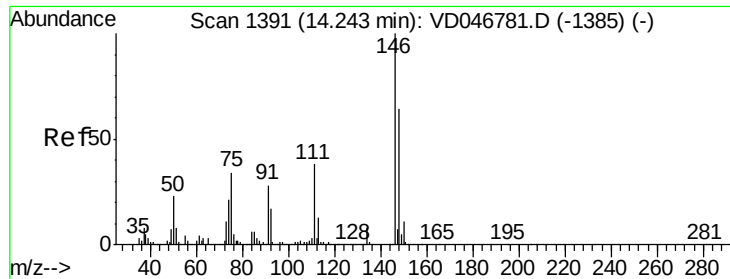
MMDadoda
9/21/2015 11:38:32 AM



#90
Hexachloroethane
Concen: 10.39 ug/l
RT: 14.48 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VD046779.D
Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	41.0	123.0





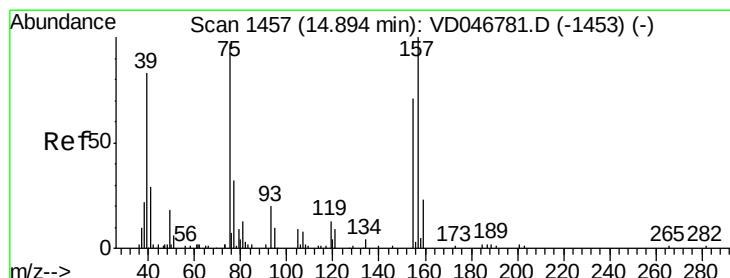
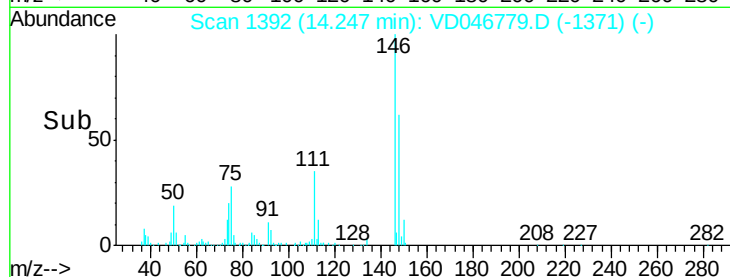
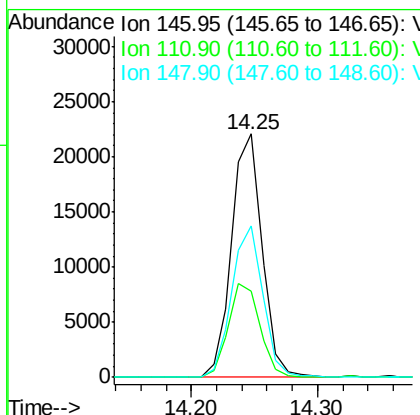
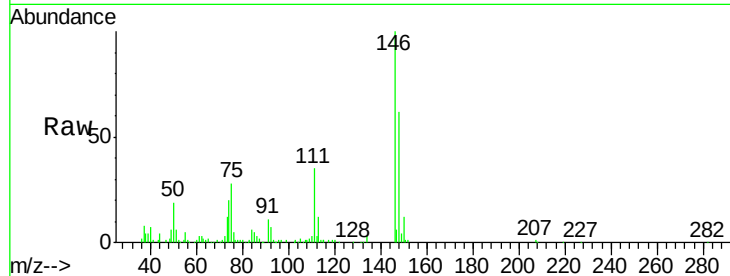
#91
 1,2-Dichlorobenzene
 Concen: 10.23 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	36929		
111	35.3	18.2	54.6	
148	62.0	31.1	93.3	

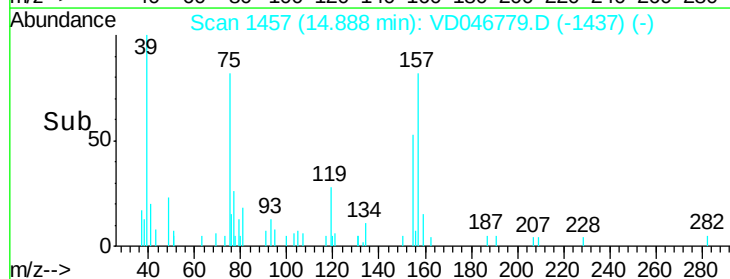
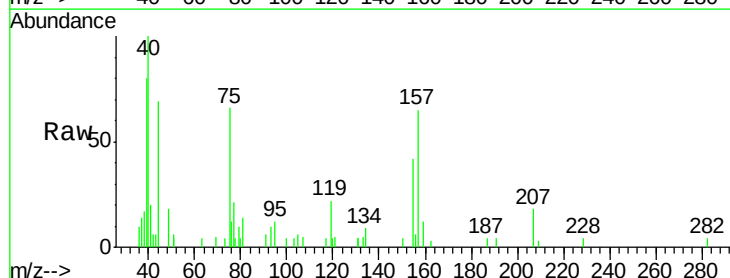
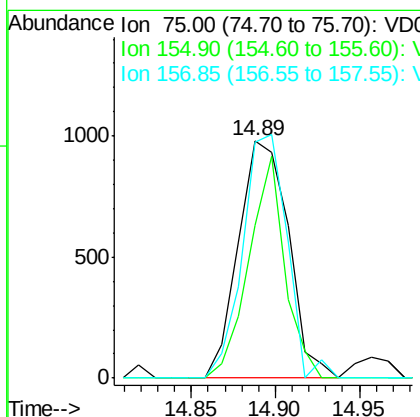
Manual Integrations
 APPROVED

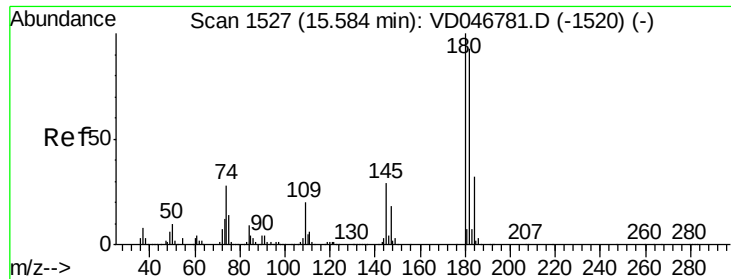
MMDadoda
 9/21/2015 11:38:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.05 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2017		
155	64.6	41.4	124.4	
157	99.7	65.0	195.1	





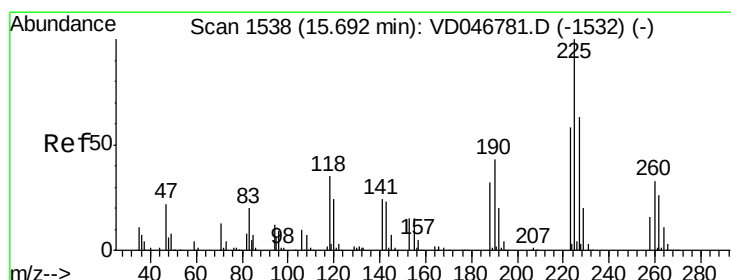
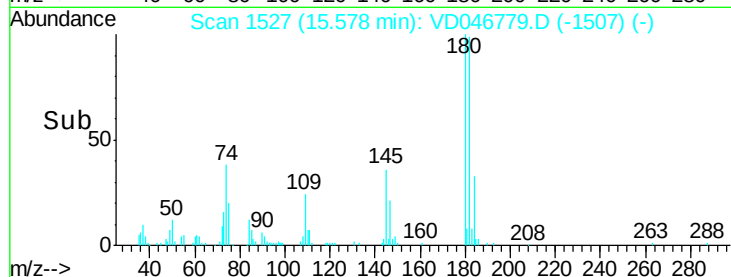
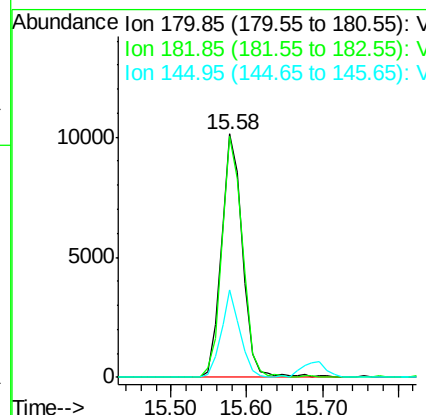
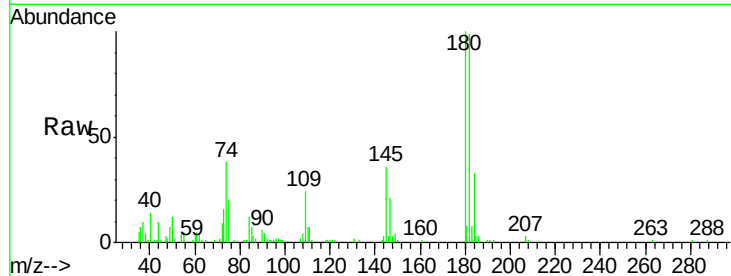
#93
 1,2,4-Trichlorobenzene
 Concen: 9.22 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	47.5	142.5
145	35.7	14.6	44.0

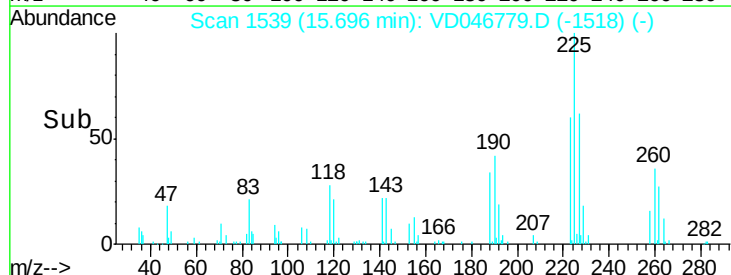
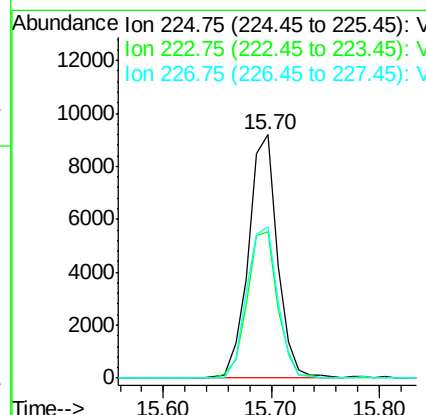
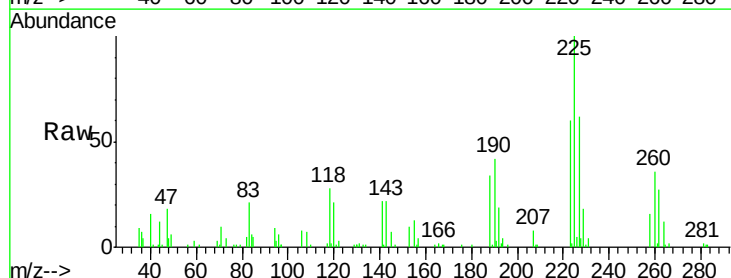
Manual Integrations
 APPROVED

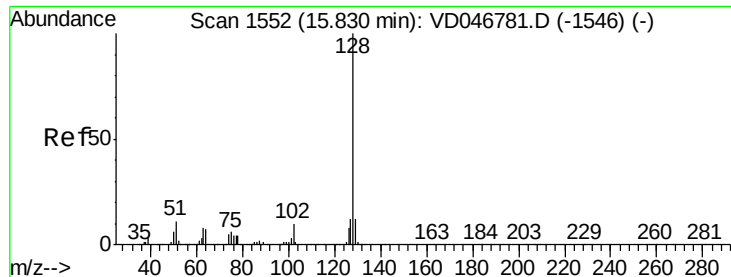
MMDadoda
 9/21/2015 11:38:32 AM



#94
 Hexachlorobutadiene
 Concen: 9.85 ug/l
 RT: 15.70 min Scan# 1539
 Delta R.T. 0.00 min
 Lab File: VD046779.D
 Acq: 18 Sep 2015 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	30.4	91.2
227	62.1	31.3	93.9





#95

Naphthalene

Concen: 8.17 ug/l

RT: 15.82 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Instrument :

MSVOA_D

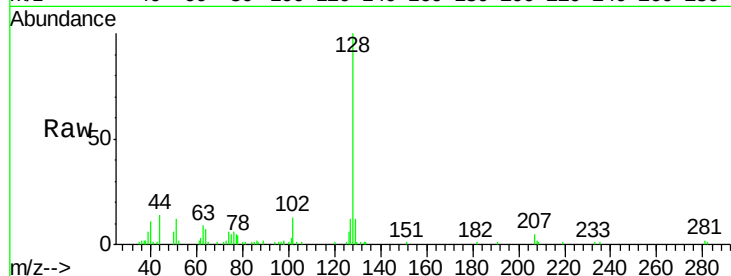
ClientSampleId :

VSTDIC010

Tgt Ion:	128	Resp:	20303
Ion Ratio	Lower	Upper	
128	100		
127	11.7	9.8	14.6
129	12.0	8.6	12.8

Manual Integrations
APPROVED

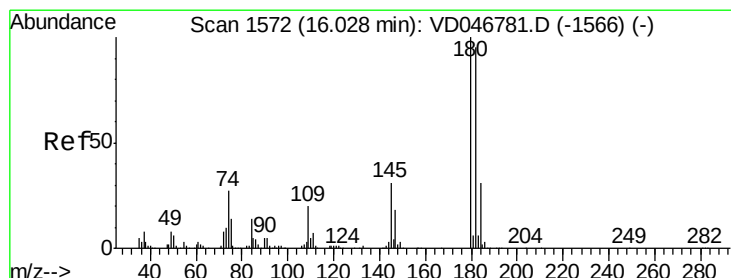
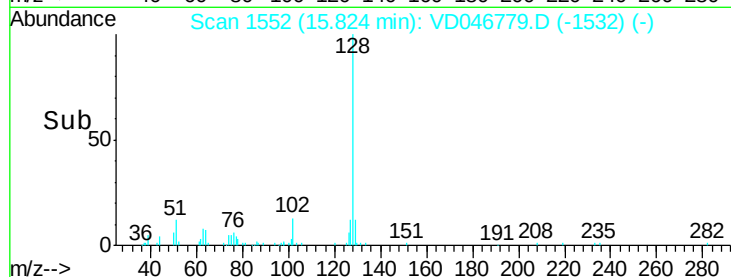
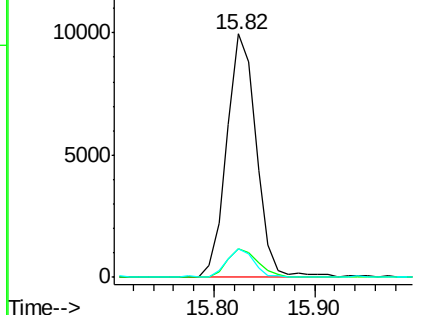
MMDadoda
9/21/2015 11:38:32 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 9.21 ug/l

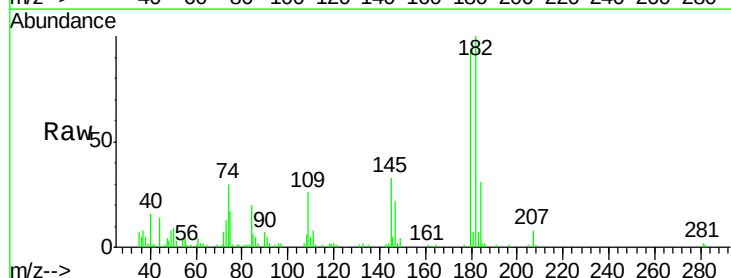
RT: 16.02 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VD046779.D

Acq: 18 Sep 2015 12:22

Tgt Ion:	180	Resp:	16391
Ion Ratio	Lower	Upper	
180	100		
182	106.8	47.4	142.3
145	35.3	15.4	46.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

