

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046778.D
 Acq On : 18 Sep 2015 11:30
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:24 AM

Quant Time: Sep 18 15:37:48 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:39:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.30	168	202646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	263267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	241890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	128472	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	11168	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
35) Dibromofluoromethane	6.21	113	10180	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
50) Toluene-d8	9.61	98	27808	4.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.56%	
62) 4-Bromofluorobenzene	12.85	95	12513	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	15396	4.21	ug/l	96
3) Chlorodifluoromethane	1.43	51	14410	4.28	ug/l	95
4) Chloromethane	1.58	50	6931	5.80	ug/l	93
5) Vinyl Chloride	1.68	62	6408	2.99	ug/l	93
6) Bromomethane	1.97	94	7258	3.66	ug/l	93
7) Chloroethane	2.08	64	4250	6.05	ug/l	98
8) Trichlorofluoromethane	2.33	101	19499	5.88	ug/l	95
9) Diethyl Ether	2.62	74	2673	4.54	ug/l	91
10) 1,1,2-Trichlorotrifluoroet	2.89	101	11561	5.57	ug/l	91
11) Methyl Iodide	3.05	142	7633	4.77	ug/l	94
12) Tert butyl alcohol	3.65	59	4839	3.97	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	7743	4.77	ug/l	92
14) Acrolein	2.78	56	2576	23.93	ug/l	98
15) Allyl chloride	3.33	41	15092	4.58	ug/l	90
16) Acrylonitrile	3.85	53	5817	23.65	ug/l	87
17) Acetone	2.95	43	10212	28.69	ug/l #	89
18) Carbon Disulfide	3.13	76	33330	5.48	ug/l	100
19) Methyl Acetate	3.33	43	9902	4.80	ug/l	94
20) Methyl tert-butyl Ether	3.90	73	11258	4.43	ug/l #	82
21) Methylene Chloride	3.50	84	10797	5.59	ug/l	92
22) trans-1,2-Dichloroethene	3.90	96	8817	4.82	ug/l	96
23) Diisopropyl ether	4.66	45	21935	4.01	ug/l #	83
24) Vinyl Acetate	4.61	43	19545	29.31	ug/l #	96
25) 1,1-Dichloroethane	4.56	63	17082	5.07	ug/l	99
26) 2-Butanone	5.45	43	9266	23.16	ug/l #	92
27) 2,2-Dichloropropane	5.42	77	18482	5.34	ug/l	93
28) cis-1,2-Dichloroethene	5.42	96	9022	4.73	ug/l	94
29) Bromochloromethane	5.79	49	6735	5.07	ug/l	93
30) Chloroform	5.97	83	21361	5.22	ug/l	99
31) Cyclohexane	6.27	56	18059	5.71	ug/l #	91
32) 1,1,1-Trichloroethane	6.18	97	18899	5.19	ug/l	97
36) 1,1-Dichloropropene	6.43	75	15981	5.19	ug/l	94
37) Ethyl Acetate	5.55	43	4840	3.97	ug/l #	95
38) Carbon Tetrachloride	6.41	117	16788	5.25	ug/l #	92

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	13193	4.23	ug/l	95
40) Benzene	6.72	78	40135	5.11	ug/l	100
41) Methacrylonitrile	5.76	41	2055	3.71	ug/l	93
42) 1,2-Dichloroethane	6.83	62	12448	5.10	ug/l	92
43) Isopropyl Acetate	8.41	43	5403	4.15	ug/l #	100
44) Trichloroethene	7.75	130	9458	4.81	ug/l	90
45) 1,2-Dichloropropane	8.14	63	9736	5.00	ug/l	99
46) Dibromomethane	8.27	93	5601	5.07	ug/l	90
47) Bromodichloromethane	8.56	83	14687	5.06	ug/l	95
48) Methyl methacrylate	8.09	41	8008	4.02	ug/l #	84
49) 1,4-Dioxane	8.32	88	684	92.83	ug/l #	81
51) 4-Methyl-2-Pentanone	9.49	43	18231	19.37	ug/l	90
52) Toluene	9.72	92	21427	4.42	ug/l	99
53) t-1,3-Dichloropropene	10.12	75	8596	4.01	ug/l	91
54) cis-1,3-Dichloropropene	9.23	75	11640	4.22	ug/l #	74
55) 1,1,2-Trichloroethane	10.40	97	6600	5.26	ug/l	94
56) Ethyl methacrylate	10.23	69	4219	6.86	ug/l	84
57) 1,3-Dichloropropane	10.61	76	11178	4.79	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.03	63	10836	19.24	ug/l	100
59) 2-Hexanone	10.71	43	13161	29.88	ug/l	99
60) Dibromochloromethane	10.89	129	8316	4.83	ug/l	94
61) 1,2-Dibromoethane	11.02	107	6157	4.97	ug/l	89
64) Tetrachloroethene	10.47	164	9580	4.90	ug/l	93
65) Chlorobenzene	11.60	112	26343	5.17	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.72	131	9543	5.10	ug/l	94
67) Ethyl Benzene	11.73	91	47338	4.63	ug/l	95
68) m/p-Xylenes	11.88	106	29258	9.07	ug/l	95
69) o-Xylene	12.29	106	11572	3.98	ug/l	100
70) Styrene	12.31	104	21793	4.33	ug/l	94
71) Bromoform	12.50	173	4583	4.60	ug/l #	95
73) Isopropylbenzene	12.67	105	36268	4.00	ug/l	96
74) N-amyl acetate	12.50	43	6979	7.49	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.98	83	7356	5.03	ug/l	92
76) 1,2,3-Trichloropropane	13.03	75	7478	4.78	ug/l	87
77) Bromobenzene	12.97	156	10546	4.63	ug/l	80
78) n-propylbenzene	13.08	91	55156	4.31	ug/l	98
79) 2-Chlorotoluene	13.16	91	31859	4.49	ug/l	97
80) 1,3,5-Trimethylbenzene	13.25	105	30908	4.28	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.74	75	1413	6.80	ug/l #	52
82) 4-Chlorotoluene	13.27	91	39695	4.70	ug/l	94
83) tert-Butylbenzene	13.54	119	25572m	3.81	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	31563	4.34	ug/l	98
85) sec-Butylbenzene	13.73	105	41128	4.30	ug/l	99
86) p-Isopropyltoluene	13.87	119	31916	4.25	ug/l	95
87) 1,3-Dichlorobenzene	13.84	146	21382	5.03	ug/l	97
88) 1,4-Dichlorobenzene	13.94	146	22397	5.30	ug/l	96
89) n-Butylbenzene	14.22	91	35409	4.17	ug/l	99
90) Hexachloroethane	14.48	117	8589	4.93	ug/l	96
91) 1,2-Dichlorobenzene	14.24	146	18048	5.06	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.90	75	895	5.19	ug/l	74

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MSVOA_D
ClientSampleId :
VSTDICC005

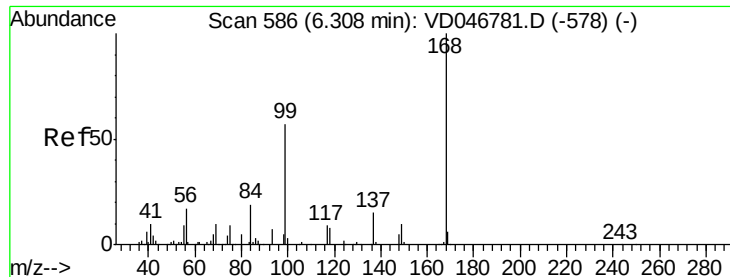
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	9245	4.50	ug/l	93
94) Hexachlorobutadiene	15.69	225	8761	5.18	ug/l	97
95) Naphthalene	15.82	128	8964	5.52	ug/l #	93
96) 1,2,3-Trichlorobenzene	16.02	180	7848	4.57	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.30 min Scan# 586

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 202646

Ion Ratio Lower Upper

168 100

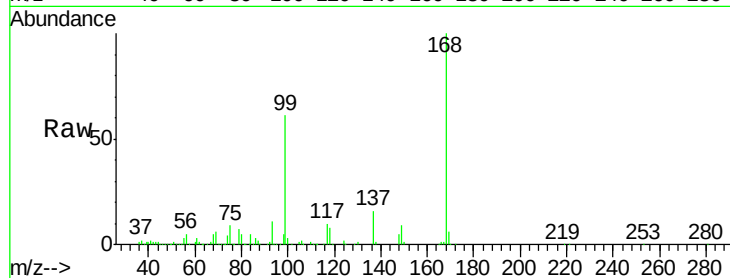
99 60.6 42.4 63.6

Manual Integrations

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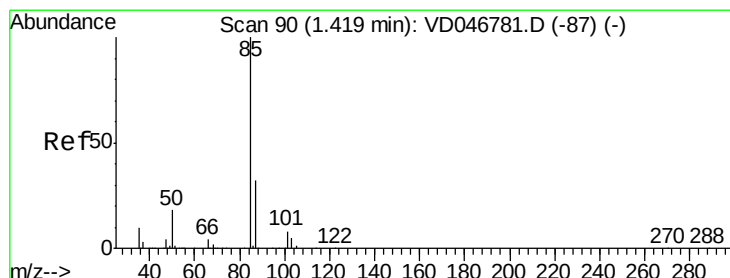
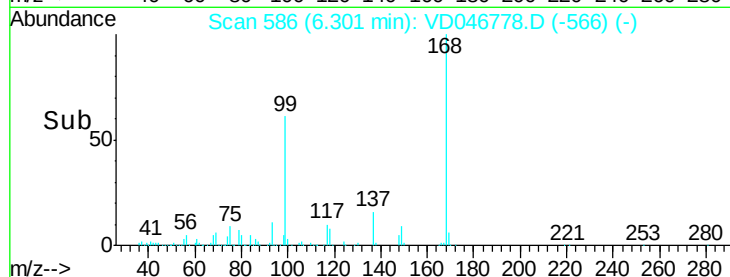
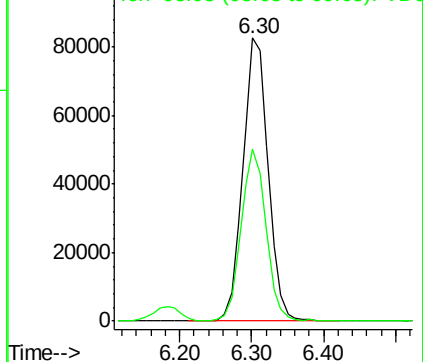
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 4.21 ug/l

RT: 1.42 min Scan# 91

Delta R.T. 0.00 min

Lab File: VD046778.D

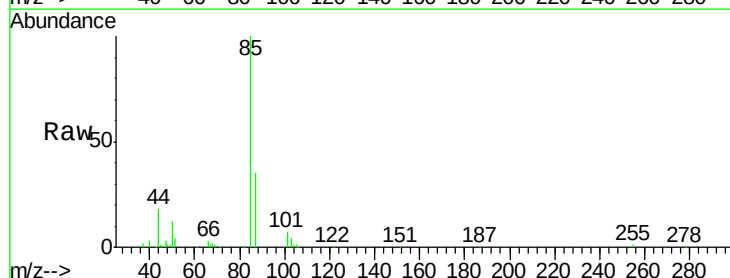
Acq: 18 Sep 2015 11:30

Tgt Ion: 85 Resp: 15396

Ion Ratio Lower Upper

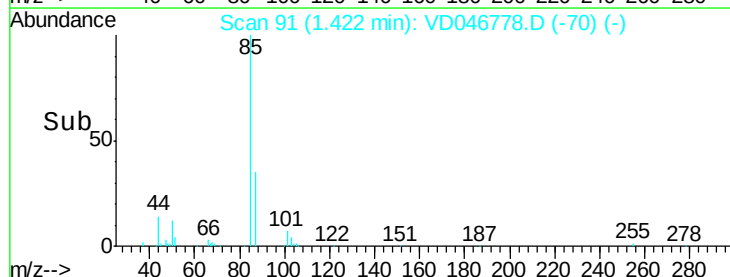
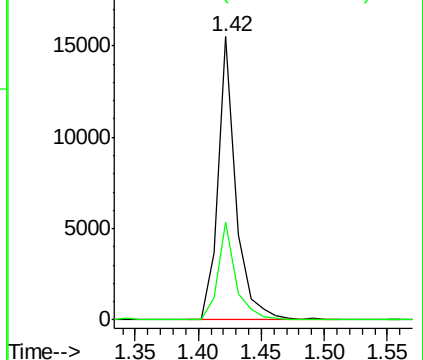
85 100

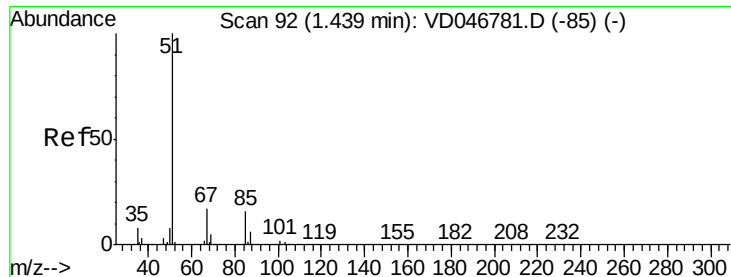
87 34.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 4.28 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 51 Resp: 14410

Ion Ratio Lower Upper

51 100

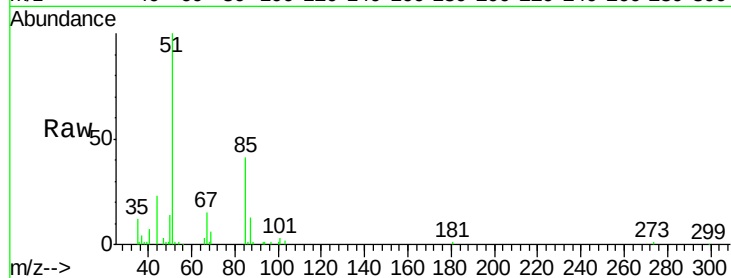
67 15.6 10.9 16.3

Manual Integrations

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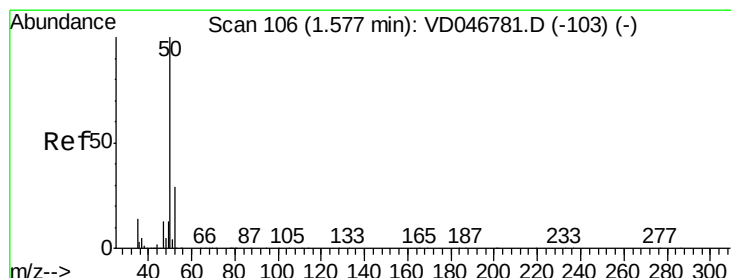
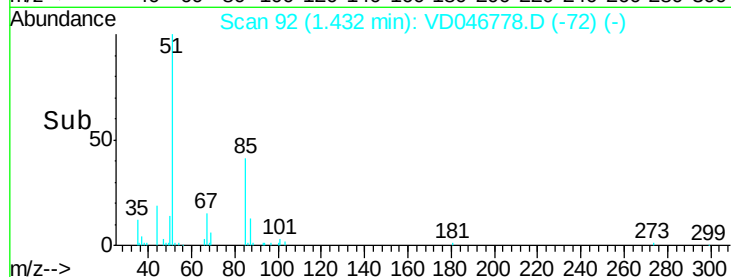
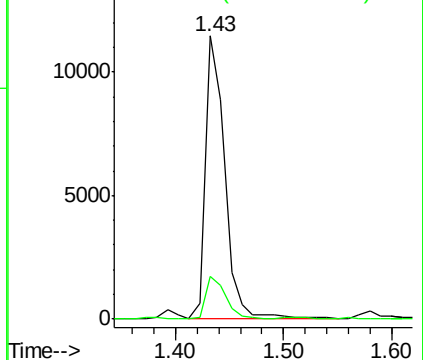
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Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 5.80 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046778.D

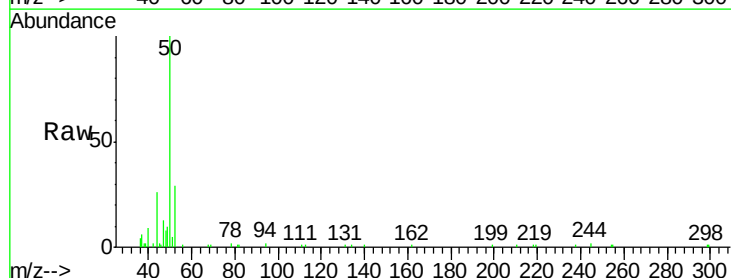
Acq: 18 Sep 2015 11:30

Tgt Ion: 50 Resp: 6931

Ion Ratio Lower Upper

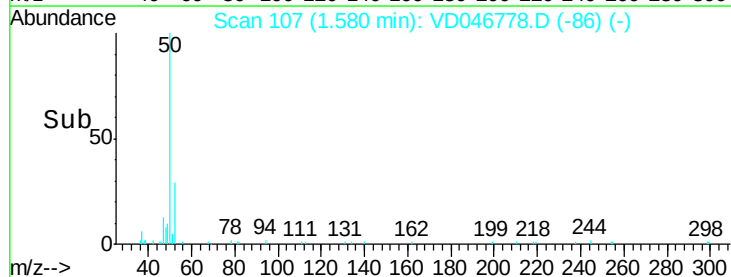
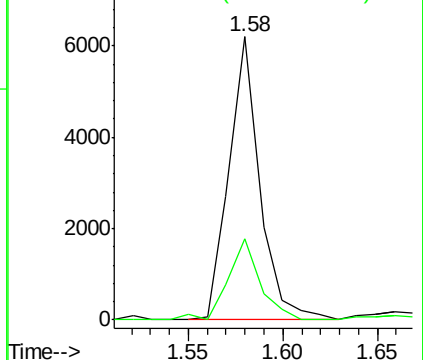
50 100

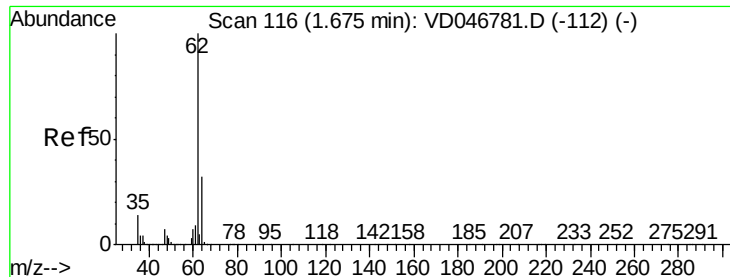
52 28.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 2.99 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 62 Resp: 6408

Ion Ratio Lower Upper

62 100

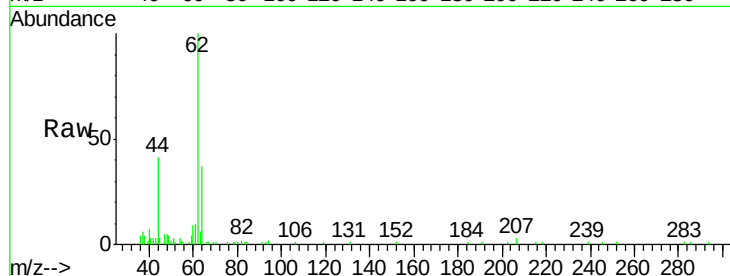
64 36.9 26.4 39.6

Manual Integrations

APPROVED

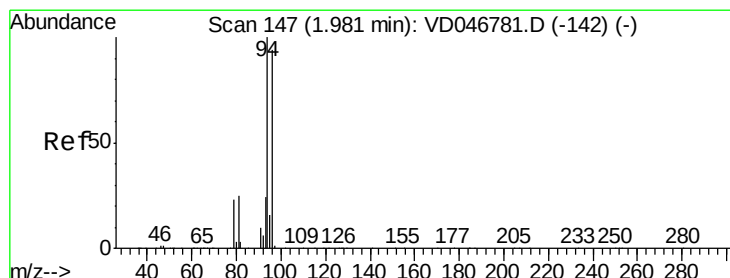
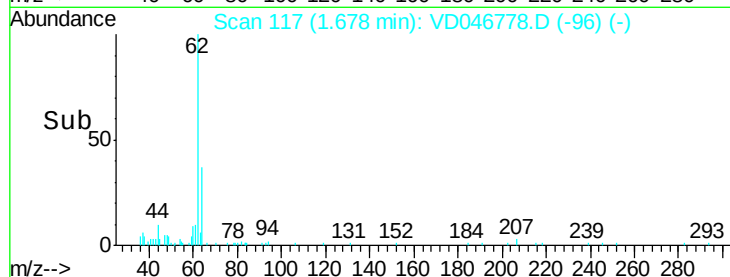
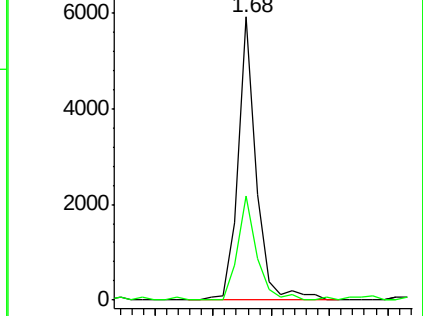
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Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 3.66 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD046778.D

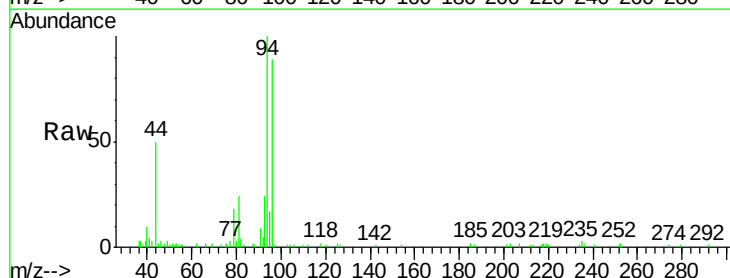
Acq: 18 Sep 2015 11:30

Tgt Ion: 94 Resp: 7258

Ion Ratio Lower Upper

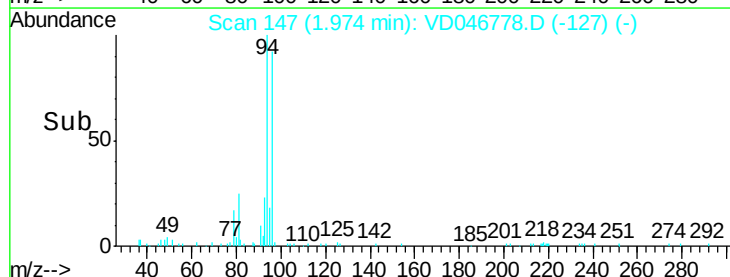
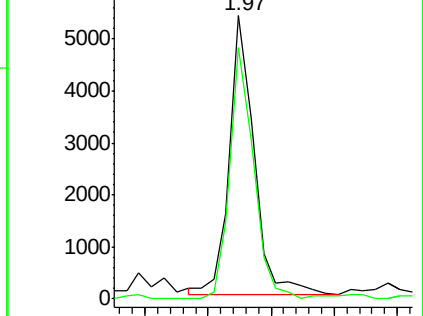
94 100

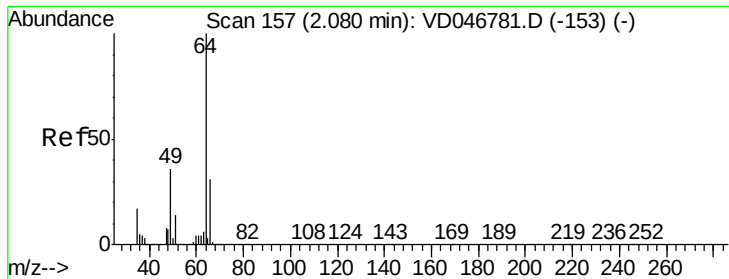
96 88.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 6.05 ug/l

RT: 2.08 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 64 Resp: 4250

Ion Ratio Lower Upper

64 100

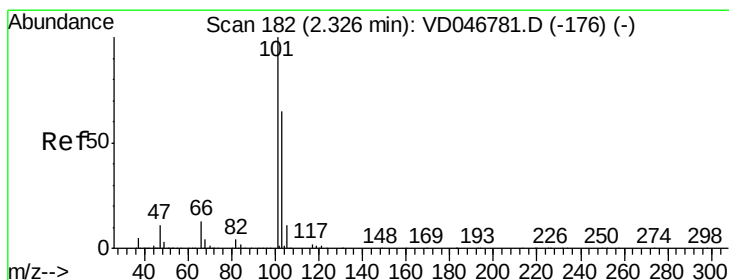
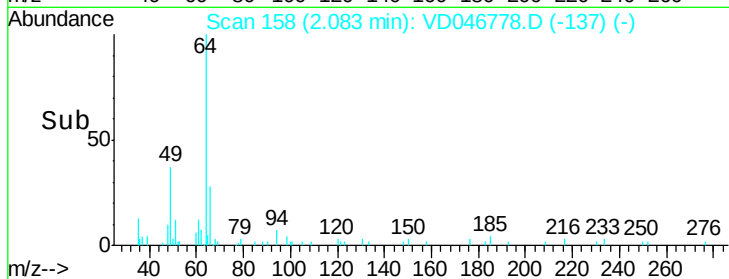
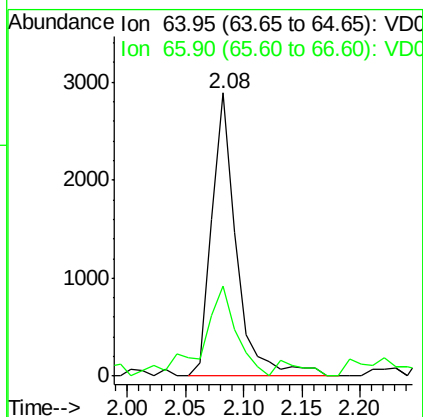
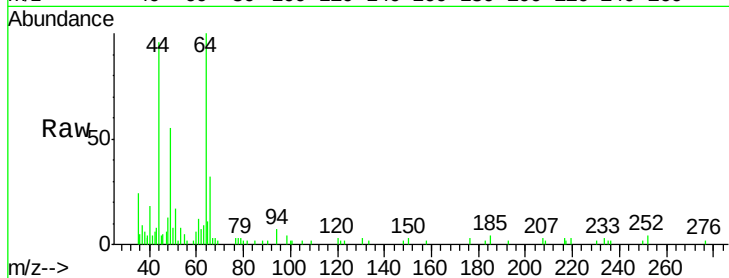
66 31.9 26.6 39.8

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 5.88 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD046778.D

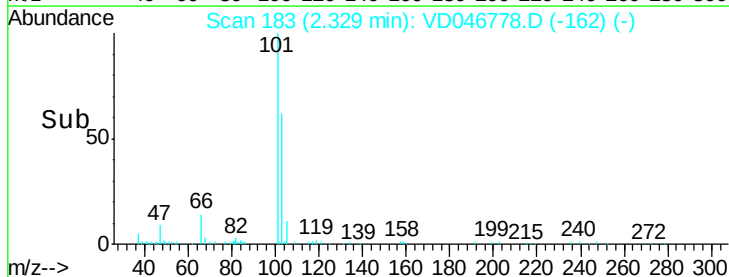
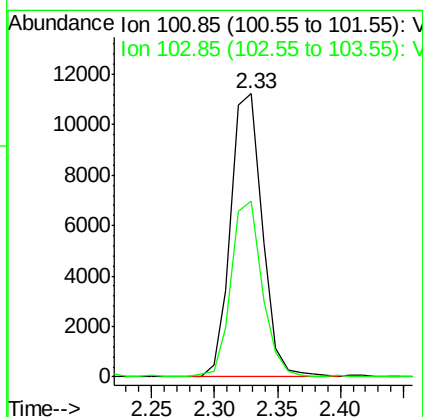
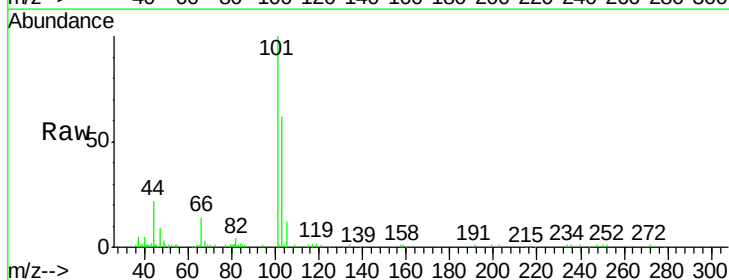
Acq: 18 Sep 2015 11:30

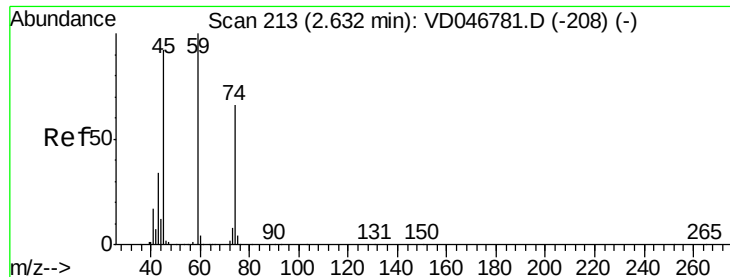
Tgt Ion: 101 Resp: 19499

Ion Ratio Lower Upper

101 100

103 62.3 53.2 79.8





#9

Diethyl Ether

Concen: 4.54 ug/l

RT: 2.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 74 Resp: 2673

Ion Ratio Lower Upper

74 100

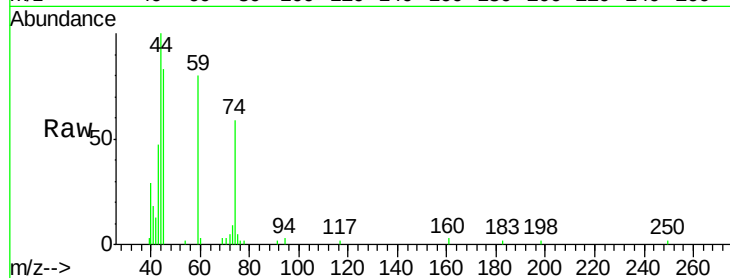
45 140.6 76.2 228.6

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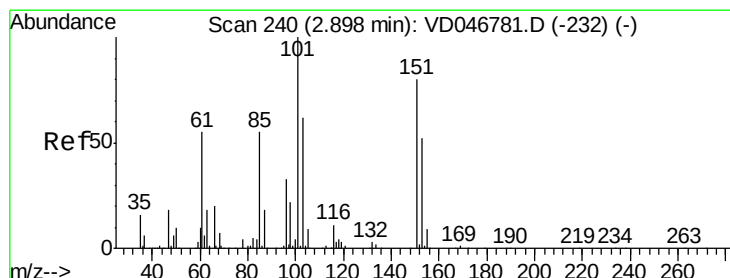
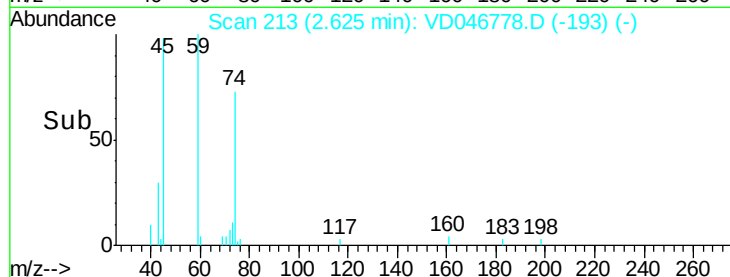
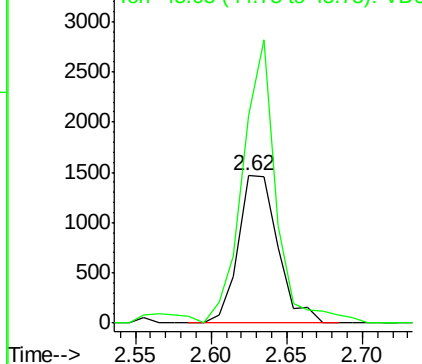
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Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 5.57 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

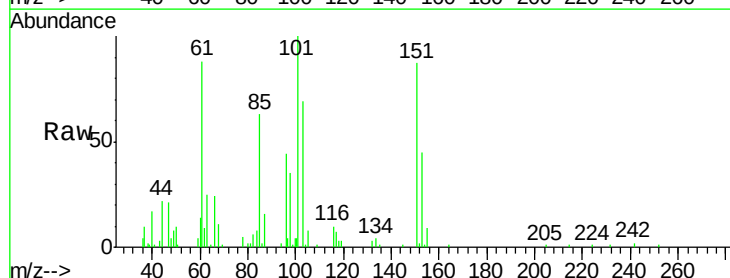
Tgt Ion: 101 Resp: 11561

Ion Ratio Lower Upper

101 100

85 62.8 42.0 63.0

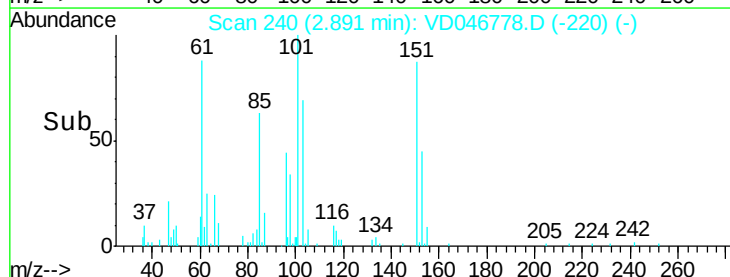
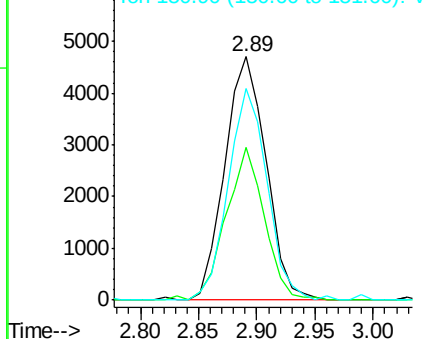
151 86.8 65.2 97.8

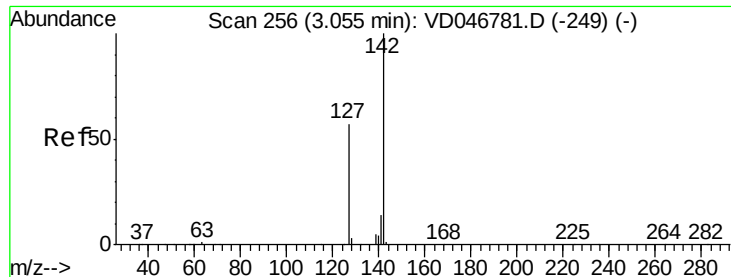


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





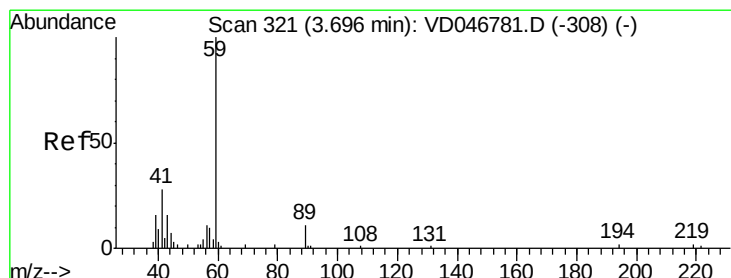
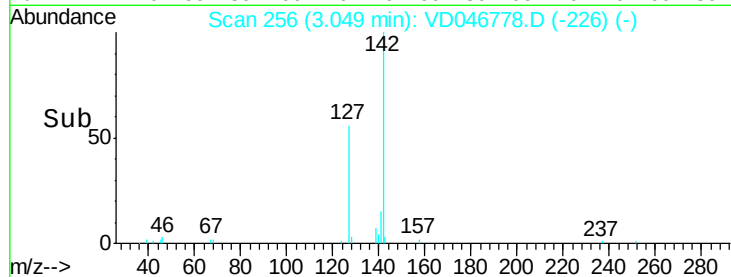
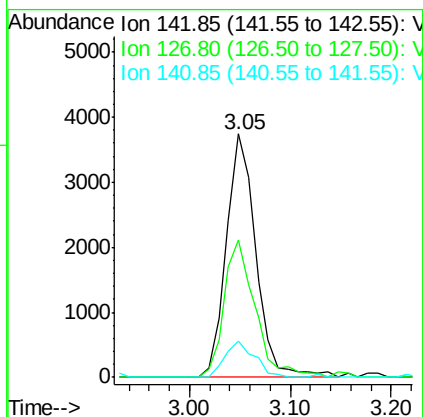
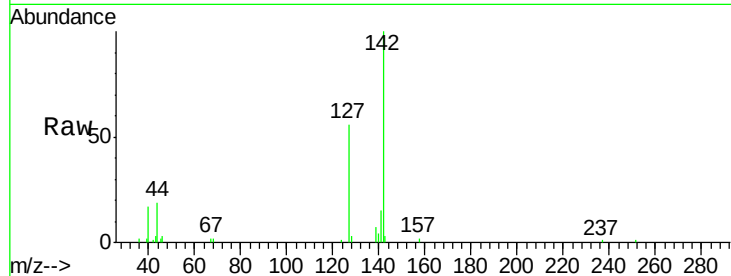
#11
Methyl Iodide
Concen: 4.77 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
142	100		
127	56.3	41.2	61.8
141	15.0	11.6	17.4

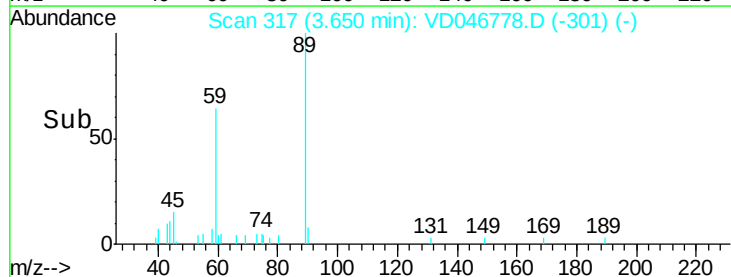
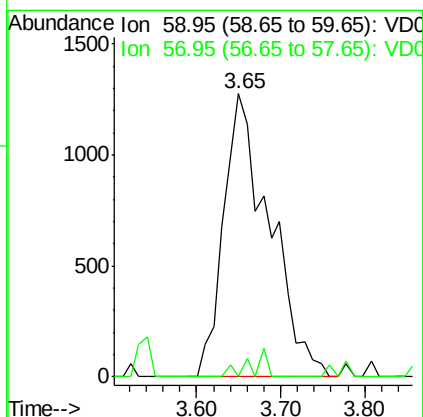
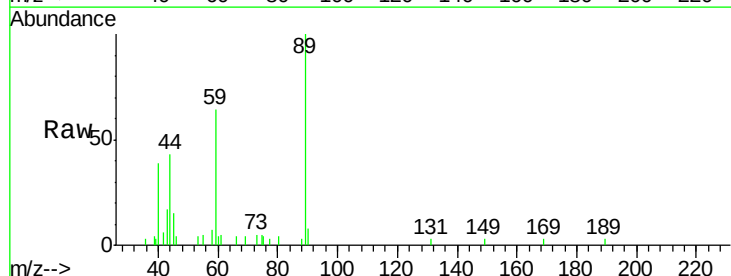
Manual Integrations
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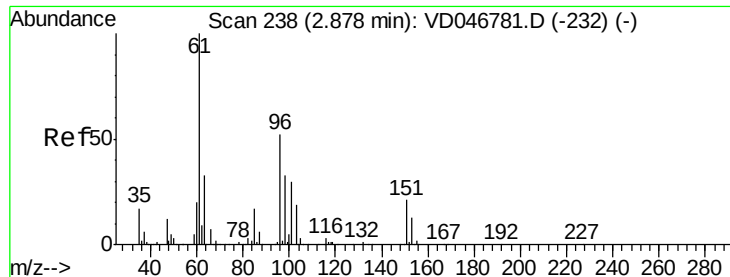
MMDadoda
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#12
Tert butyl alcohol
Concen: 3.97 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.05 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

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





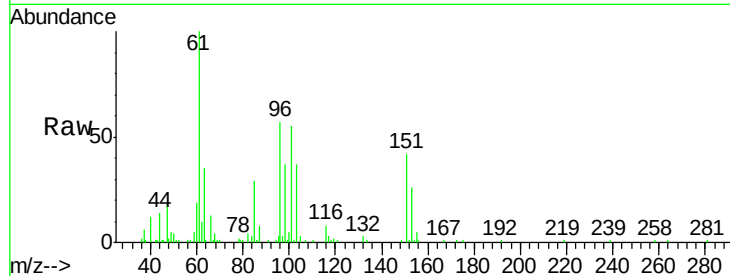
#13
 1,1-Dichloroethene
 Concen: 4.77 ug/l
 RT: 2.88 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

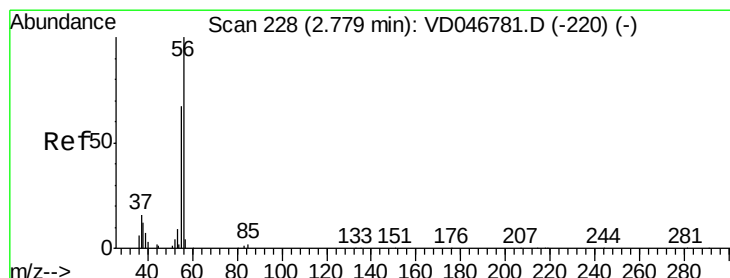
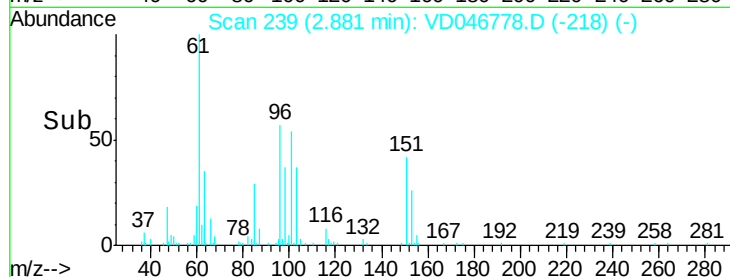
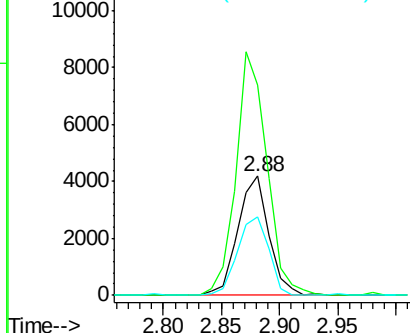
Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	152.2	228.4
98	66.1	51.2	76.8

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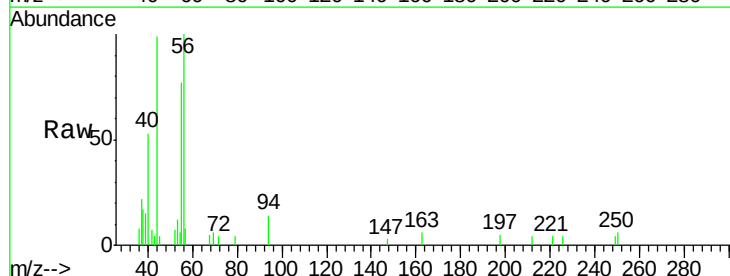


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

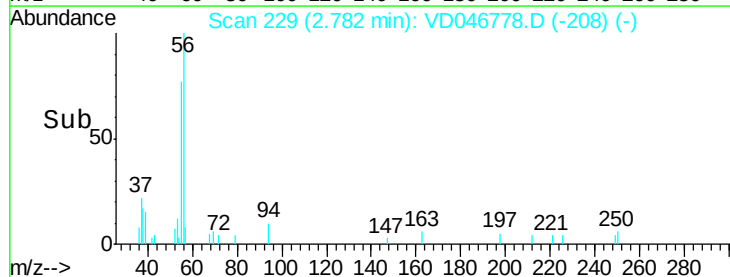
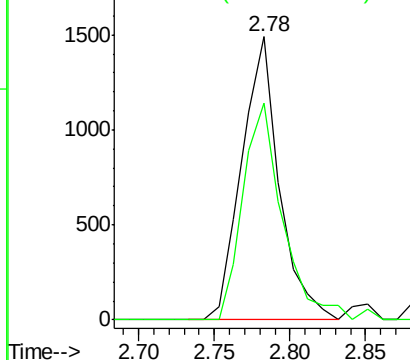


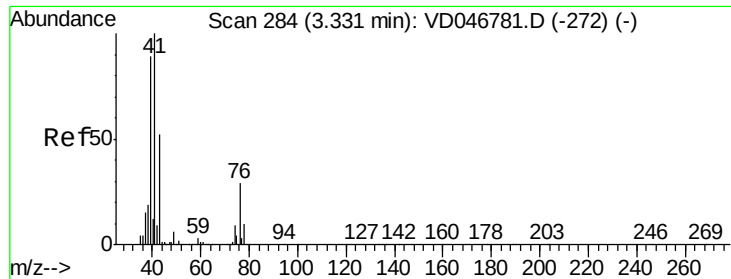
#14
 Acrolein
 Concen: 23.93 ug/l
 RT: 2.78 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
56	100		
55	76.5	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: 4.58 ug/l

RT: 3.33 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

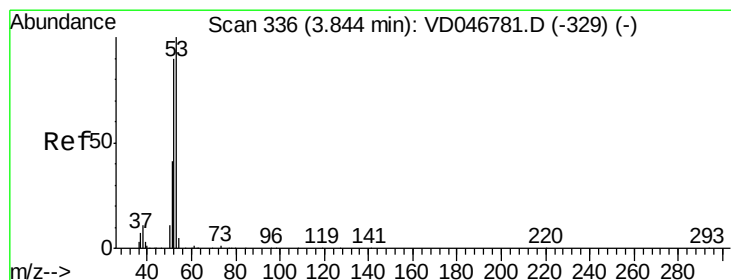
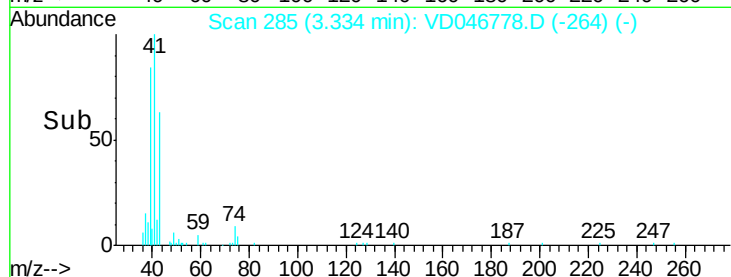
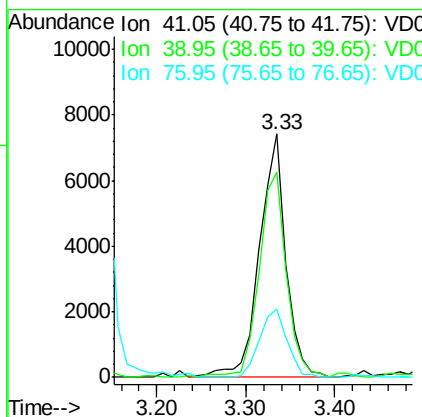
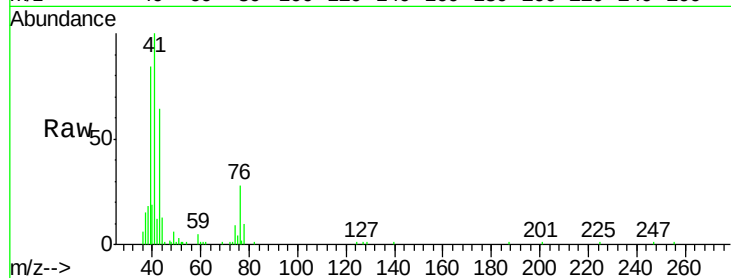
ClientSampleId :

VSTDIC005

Tgt Ion:	41	Resp:	15092
Ion	Ratio	Lower	Upper
41	100		
39	84.5	58.8	88.2
76	27.9	22.7	34.1

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#16

Acrylonitrile

Concen: 23.65 ug/l

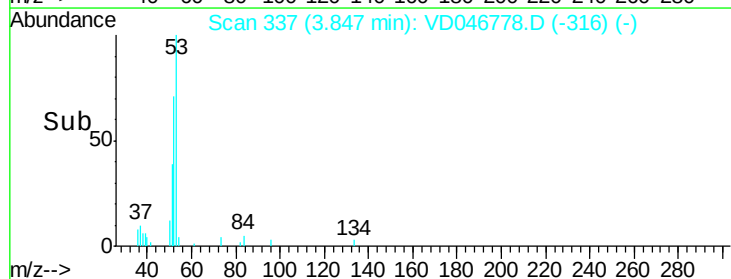
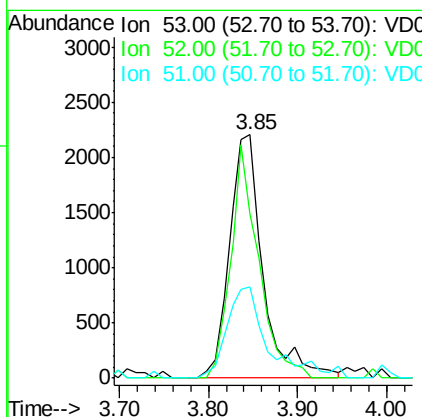
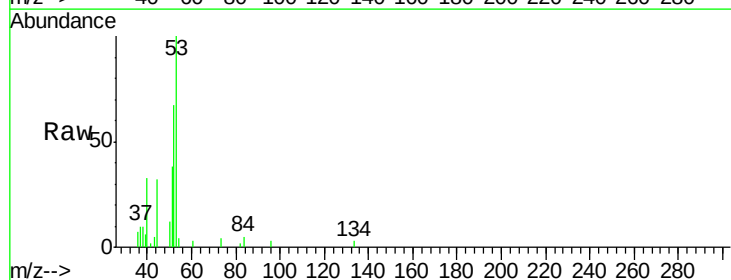
RT: 3.85 min Scan# 337

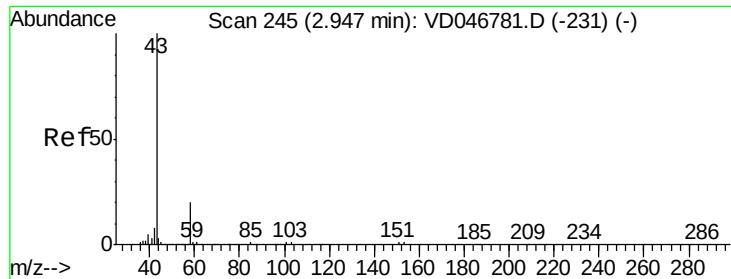
Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion:	53	Resp:	5817
Ion	Ratio	Lower	Upper
53	100		
52	67.3	66.8	100.2
51	37.7	31.2	46.8





#17

Acetone

Concen: 28.69 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 10212

Ion Ratio Lower Upper

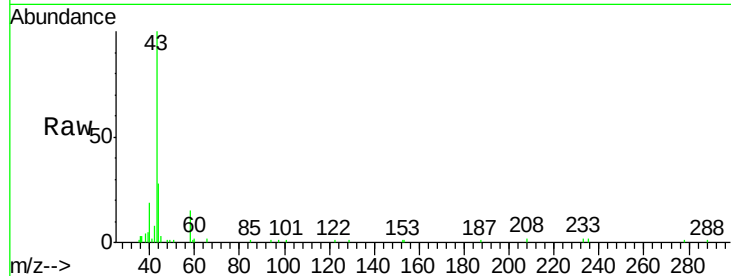
43 100

58 15.4 16.6 24.8#

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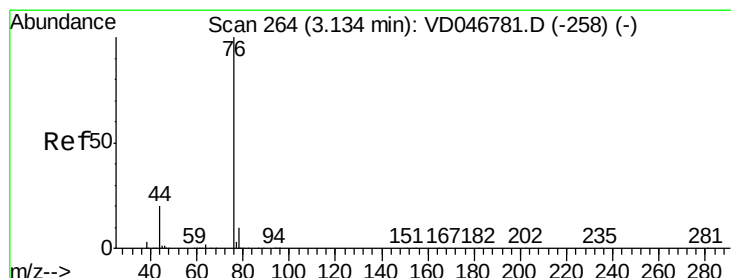
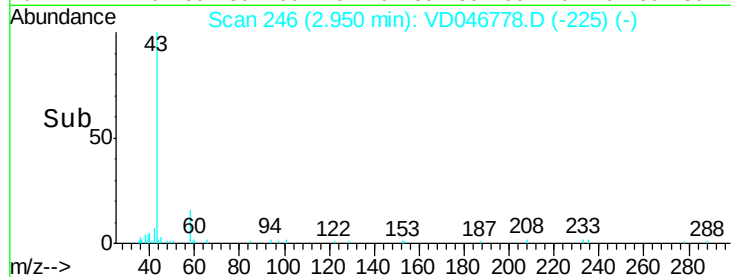
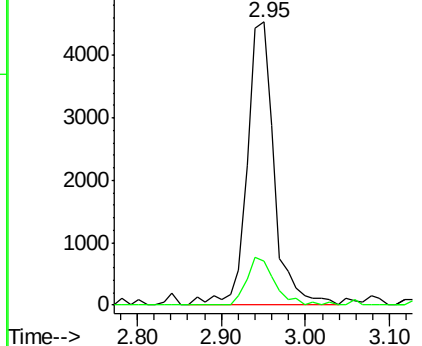
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 5.48 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD046778.D

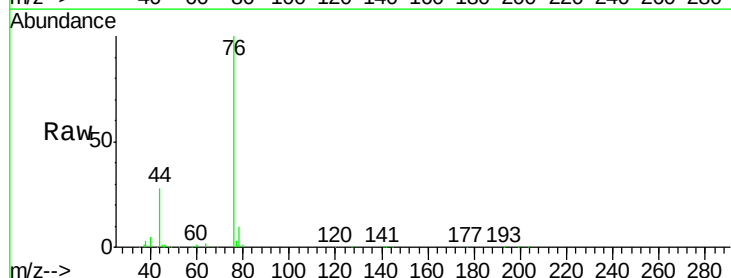
Acq: 18 Sep 2015 11:30

Tgt Ion: 76 Resp: 33330

Ion Ratio Lower Upper

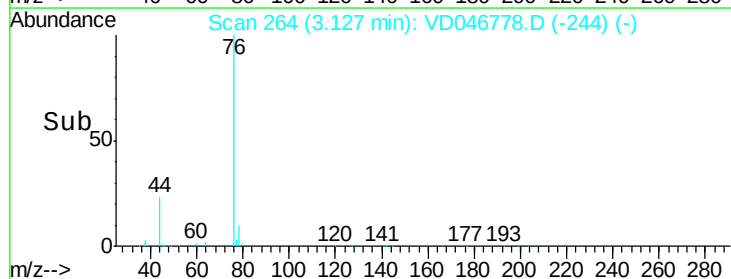
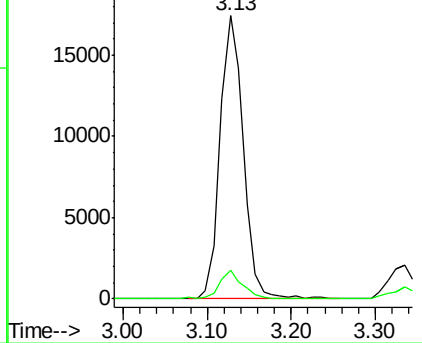
76 100

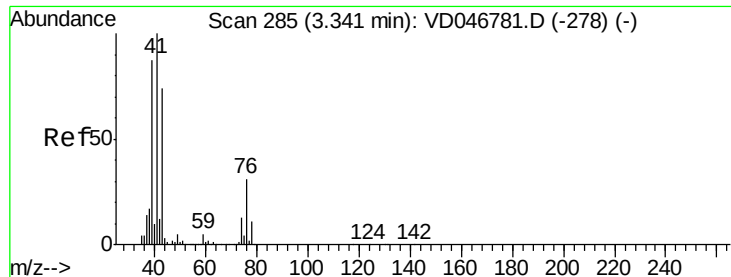
78 9.9 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





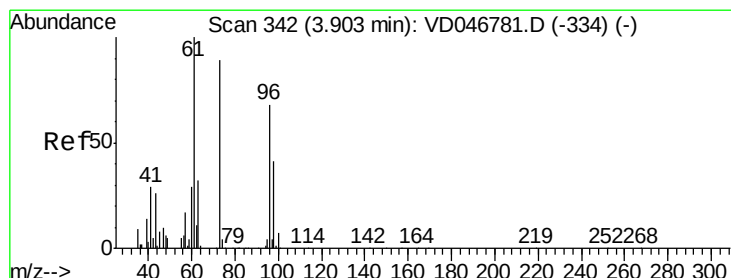
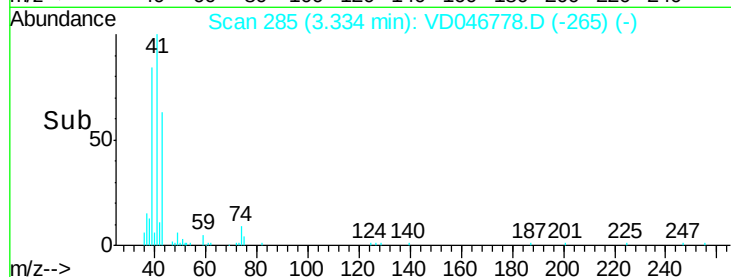
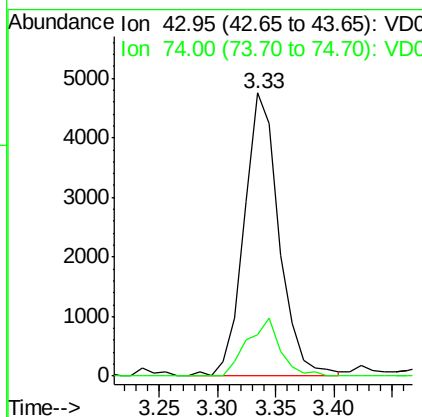
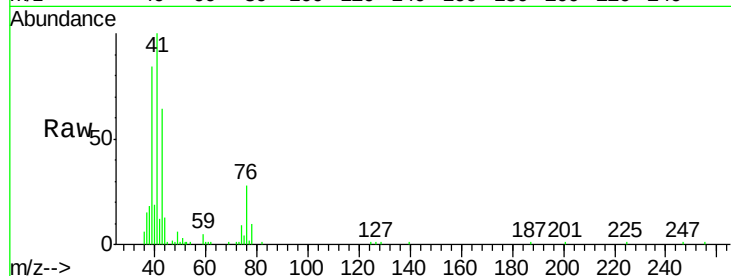
#19
Methyl Acetate
Concen: 4.80 ug/l
RT: 3.33 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 9902
Ion Ratio Lower Upper
43 100
74 14.6 13.7 20.5

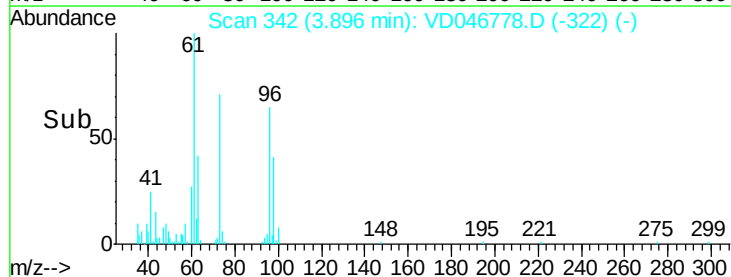
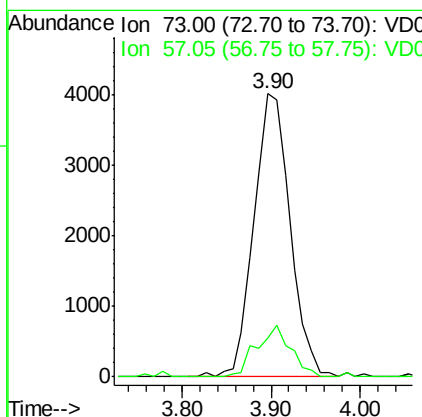
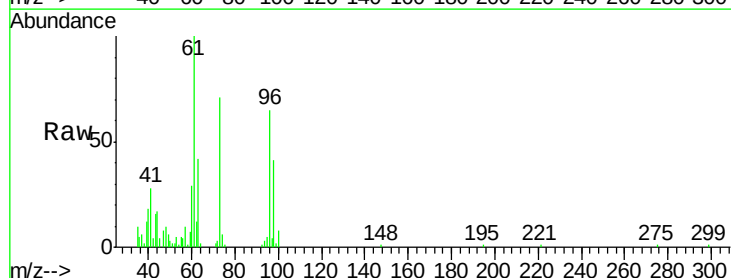
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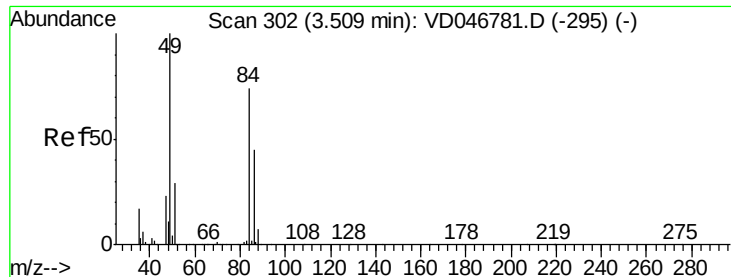
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#20
Methyl tert-butyl Ether
Concen: 4.43 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 73 Resp: 11258
Ion Ratio Lower Upper
73 100
57 13.7 18.1 27.1#





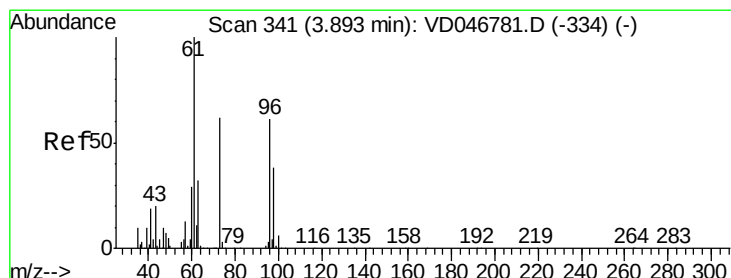
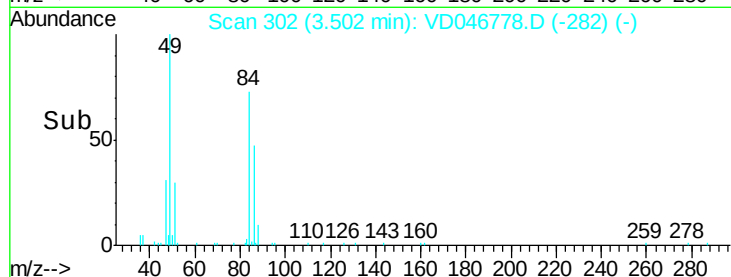
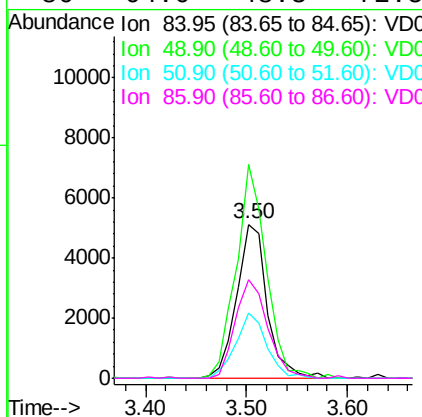
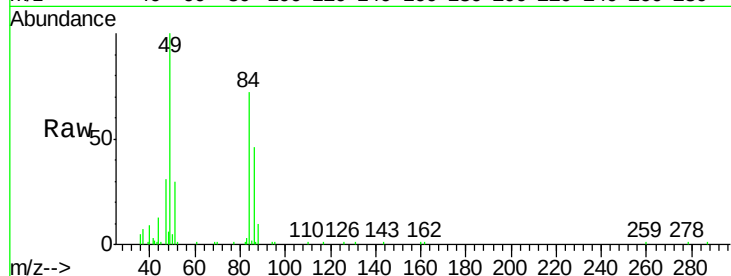
#21
Methylene Chloride
Concen: 5.59 ug/l
RT: 3.50 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:	84	Resp:	10797
Ion	Ratio	Lower	Upper
84	100		
49	138.7	122.1	183.1
51	42.1	33.6	50.4
86	64.0	48.3	72.5

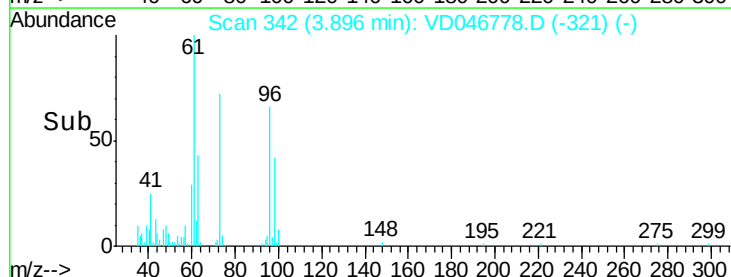
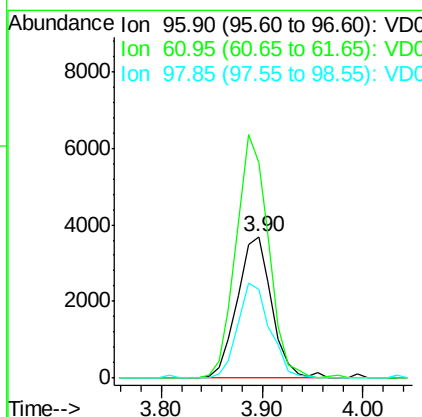
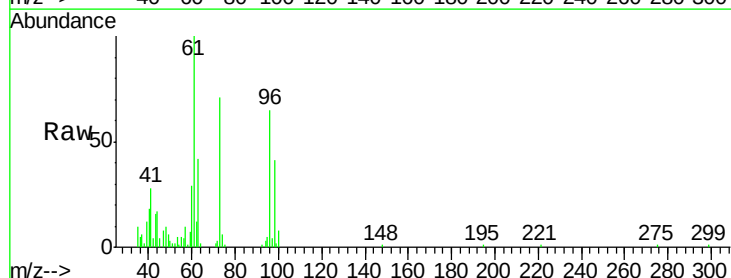
Manual Integrations
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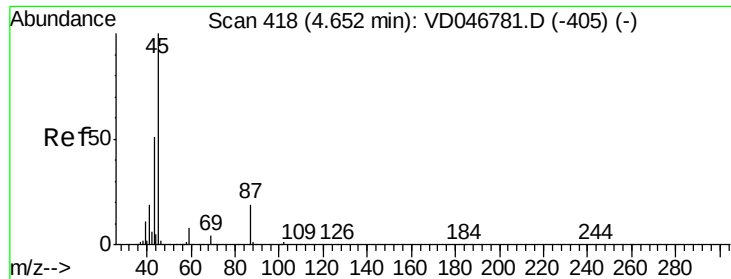
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#22
trans-1,2-Dichloroethene
Concen: 4.82 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:	96	Resp:	8817
Ion	Ratio	Lower	Upper
96	100		
61	153.0	125.8	188.6
98	63.1	54.5	81.7





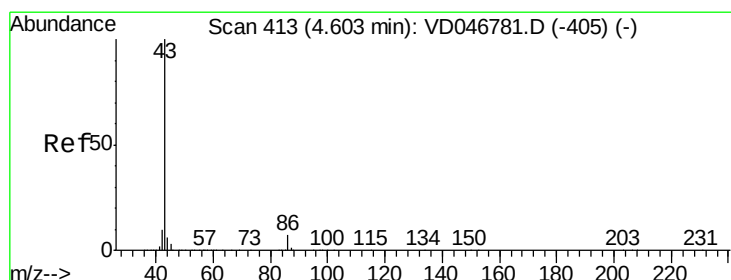
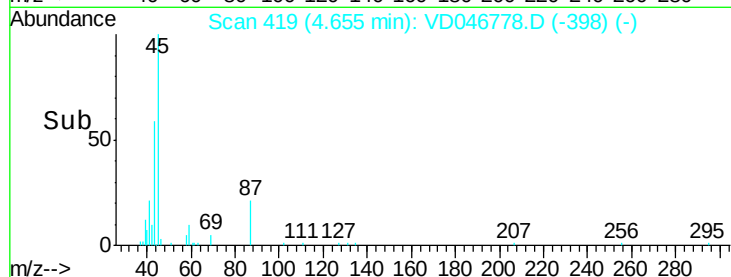
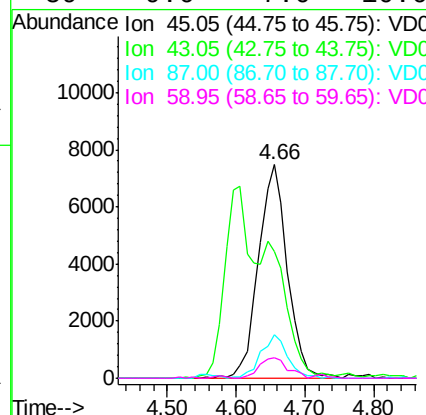
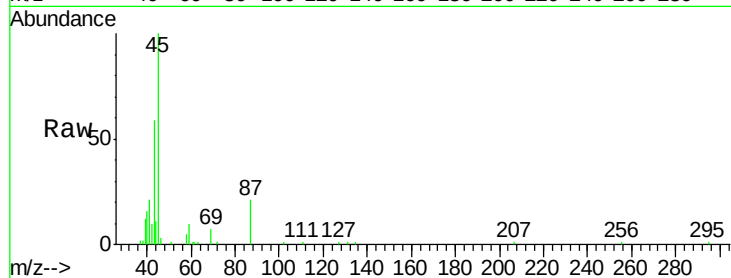
#23
Diisopropyl ether
Concen: 4.01 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	35.9	53.9#
87	20.5	13.0	19.6#
59	9.6	7.0	10.6

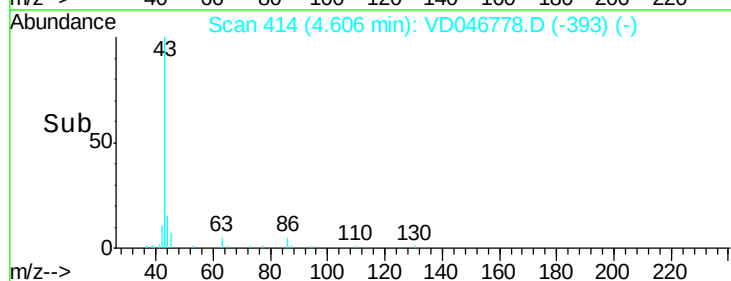
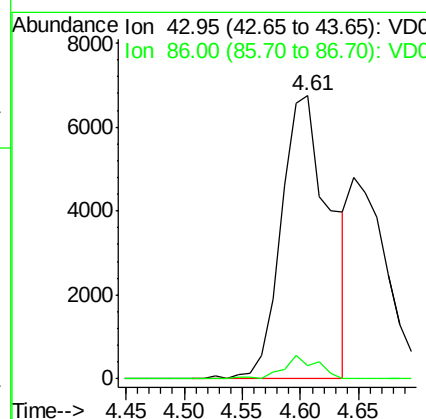
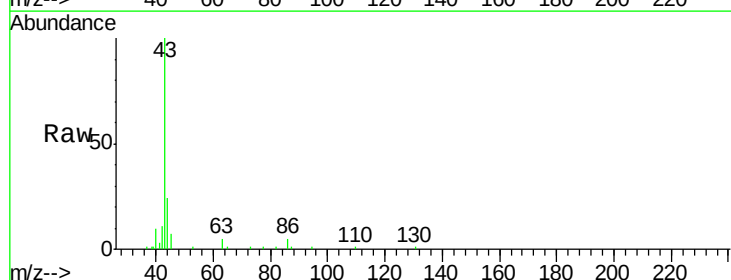
Manual Integrations
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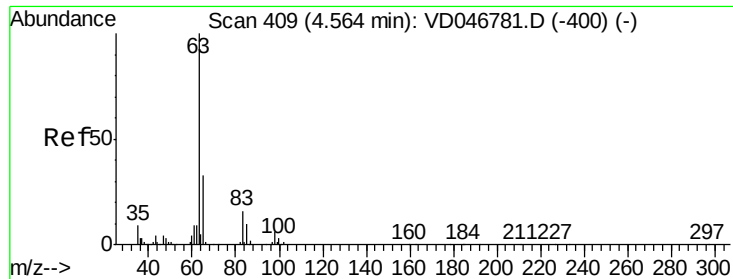
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#24
Vinyl Acetate
Concen: 29.31 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
86	4.6	4.9	7.3#





#25

1,1-Dichloroethane

Concen: 5.07 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

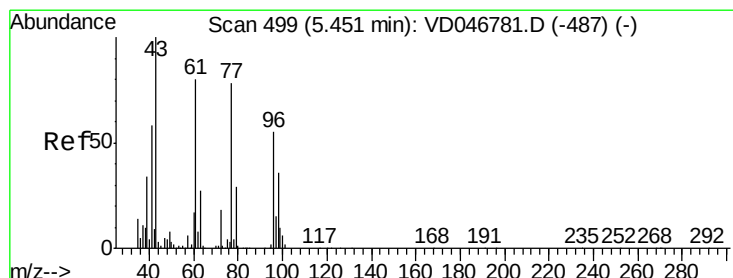
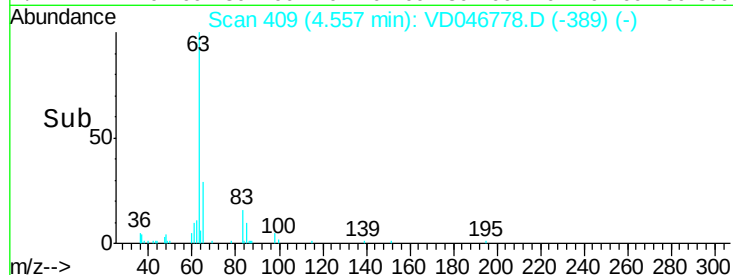
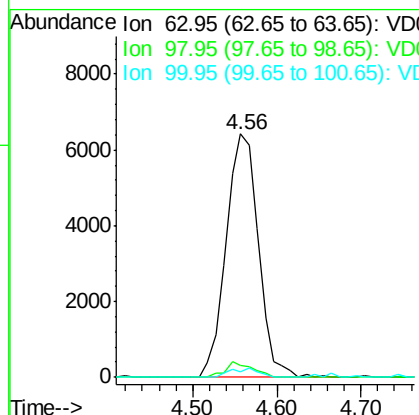
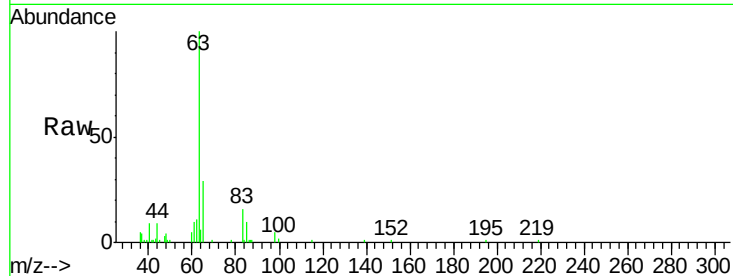
ClientSampleId :

VSTDIC005

Tgt Ion:	63	Resp:	17082
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.5
100	2.3	1.5	4.5

Manual Integrations
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#26

2-Butanone

Concen: 23.16 ug/l

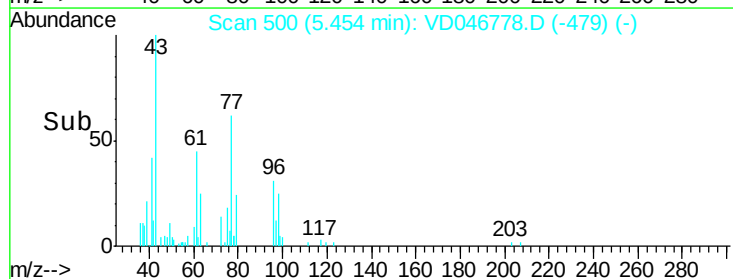
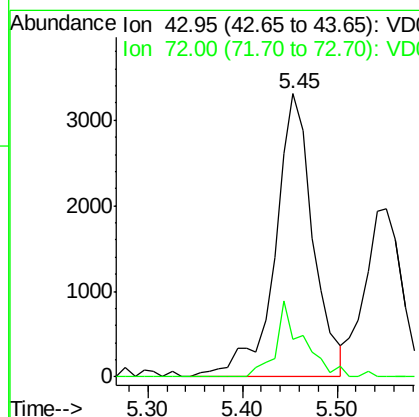
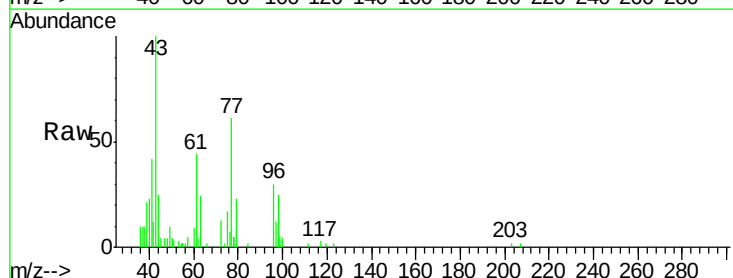
RT: 5.45 min Scan# 500

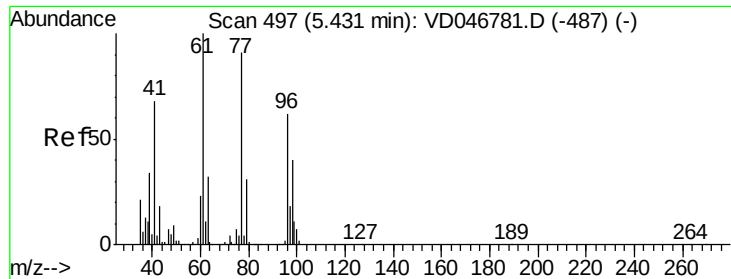
Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion:	43	Resp:	9266
Ion	Ratio	Lower	Upper
43	100		
72	13.2	13.4	20.0#





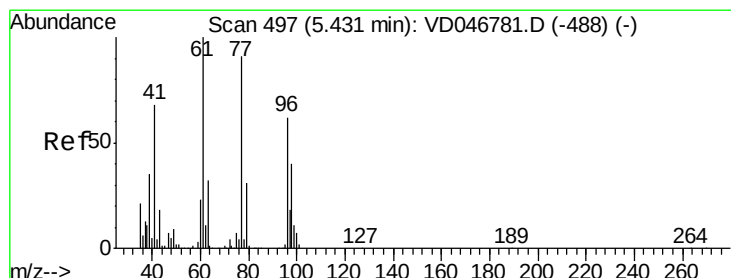
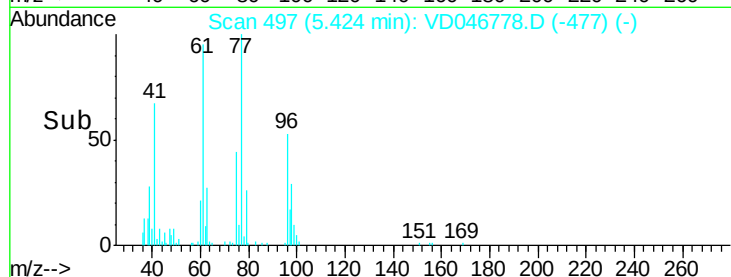
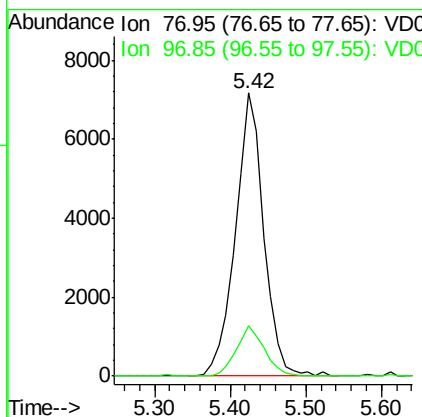
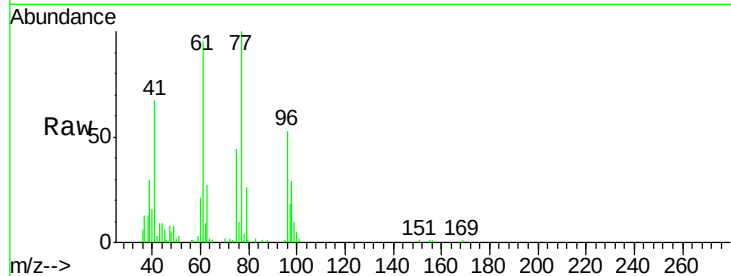
#27
 2,2-Dichloropropane
 Concen: 5.34 ug/l
 RT: 5.42 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 77 Resp: 18482
 Ion Ratio Lower Upper
 77 100
 97 17.6 10.4 31.1

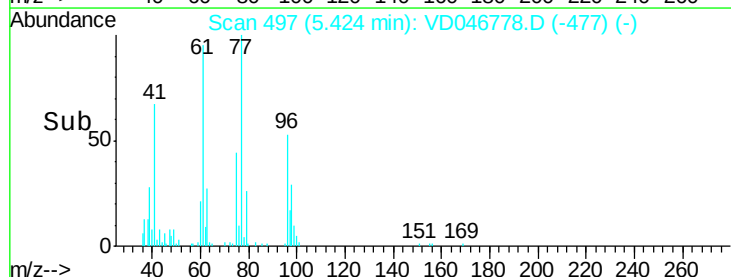
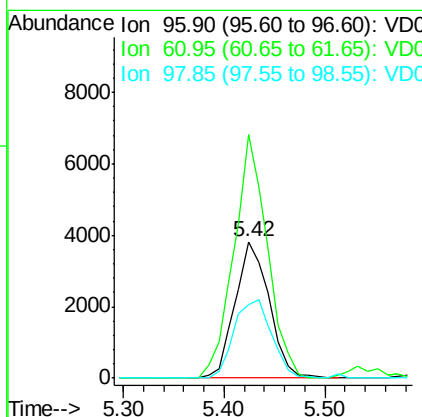
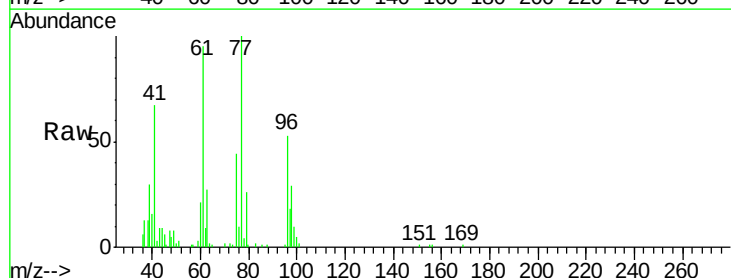
Manual Integrations
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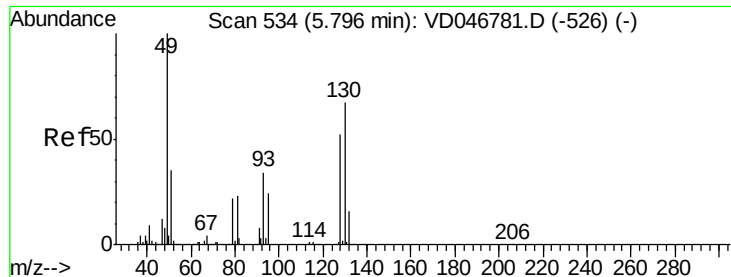
MMDadoda
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#28
 cis-1,2-Dichloroethene
 Concen: 4.73 ug/l
 RT: 5.42 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 96 Resp: 9022
 Ion Ratio Lower Upper
 96 100
 61 178.2 0.0 348.0
 98 54.1 0.0 128.8





#29

Bromochloromethane

Concen: 5.07 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

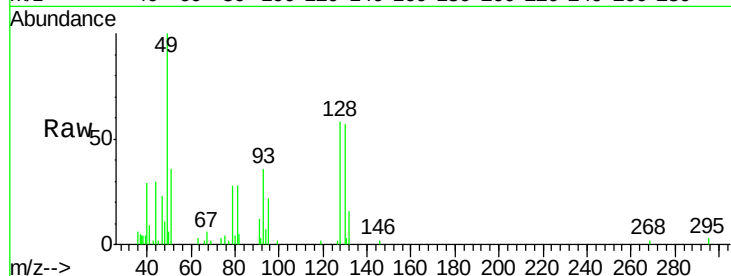
ClientSampleId :

VSTDIC005

Tgt Ion:	49	Resp:	6735
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	2.8
130	57.1	50.2	75.4

Manual Integrations
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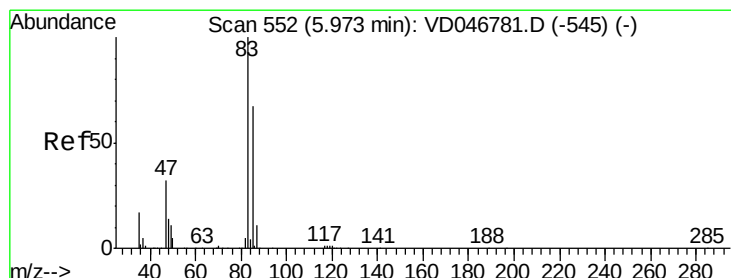
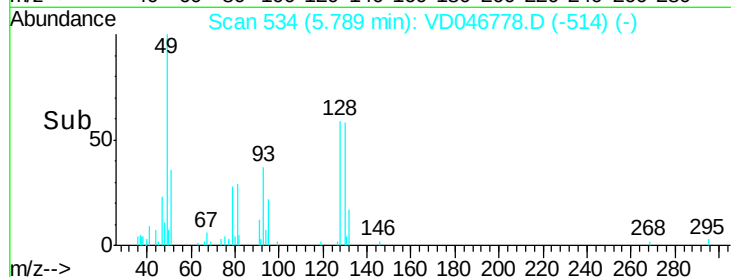
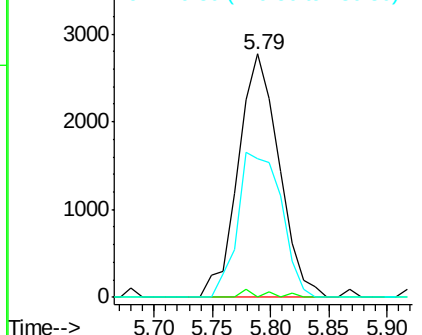
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Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 5.22 ug/l

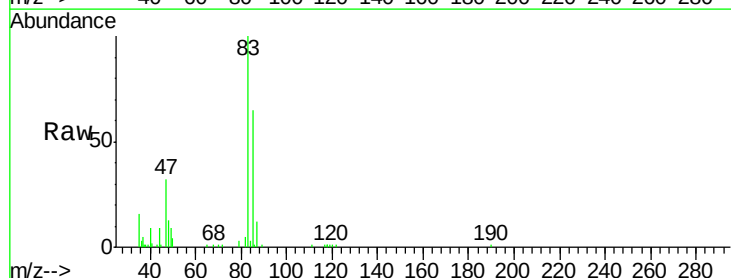
RT: 5.97 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD046778.D

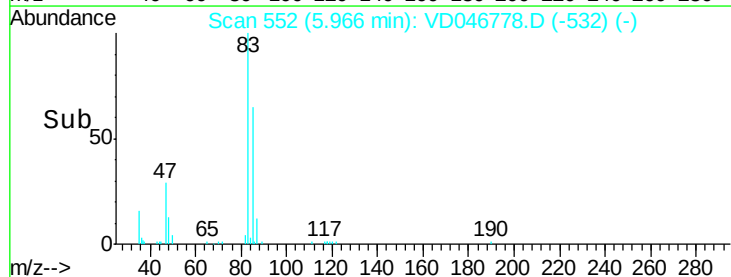
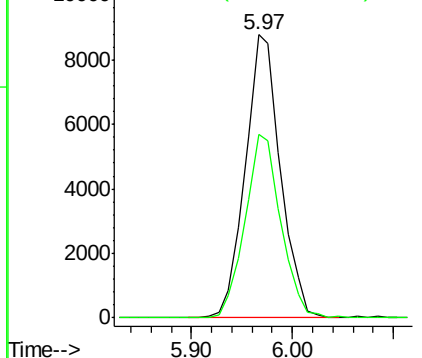
Acq: 18 Sep 2015 11:30

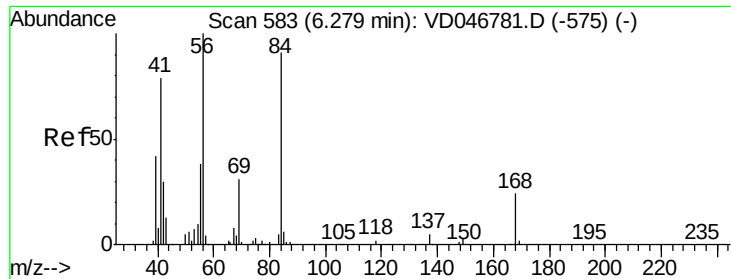
Tgt Ion:	83	Resp:	21361
Ion Ratio	Lower	Upper	
83	100		
85	64.9	52.5	78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





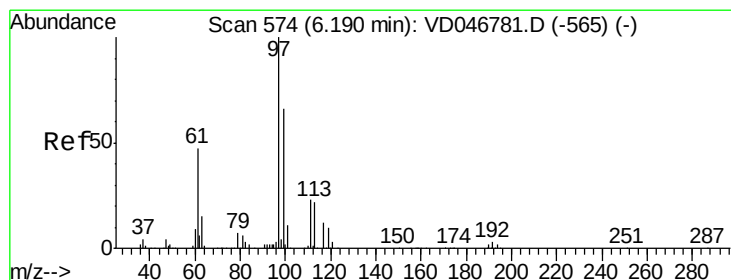
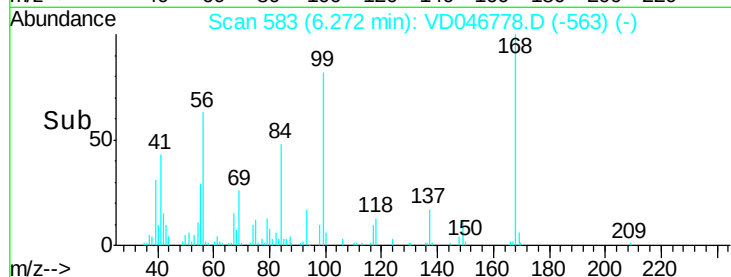
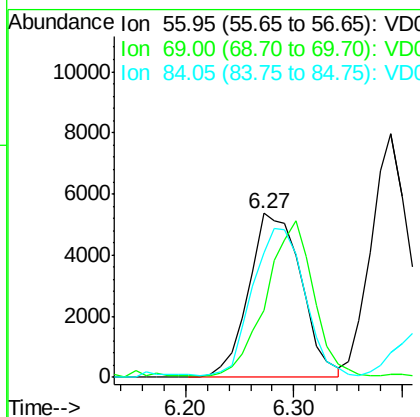
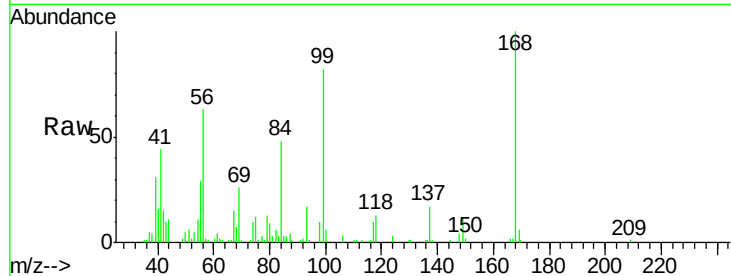
#31
Cyclohexane
Concen: 5.71 ug/l
RT: 6.27 min Scan# 583
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	41.2	23.4	35.0#
84	75.7	63.8	95.8

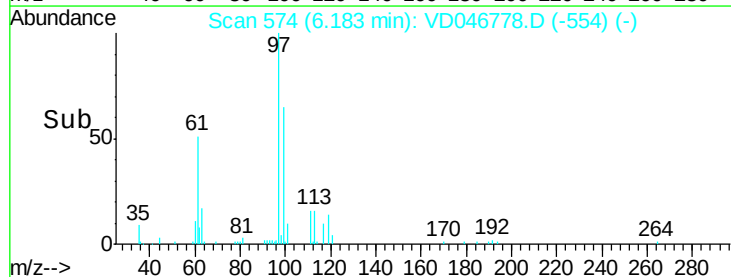
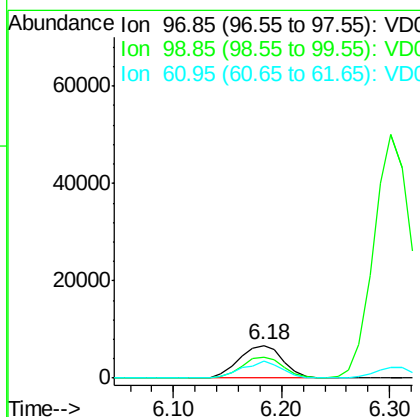
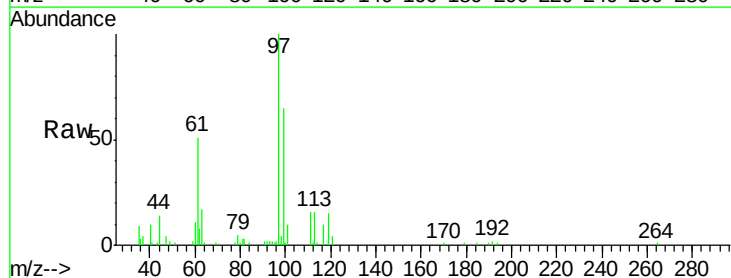
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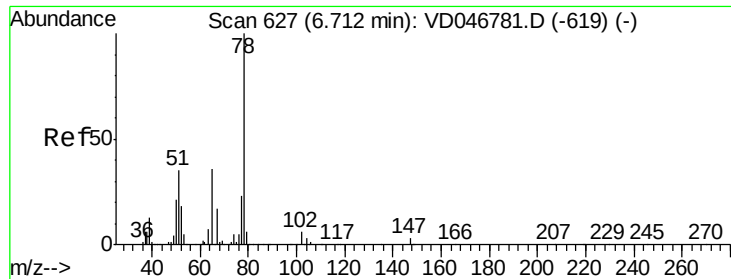
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#32
1,1,1-Trichloroethane
Concen: 5.19 ug/l
RT: 6.18 min Scan# 574
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.2	75.4
61	51.0	38.6	57.8





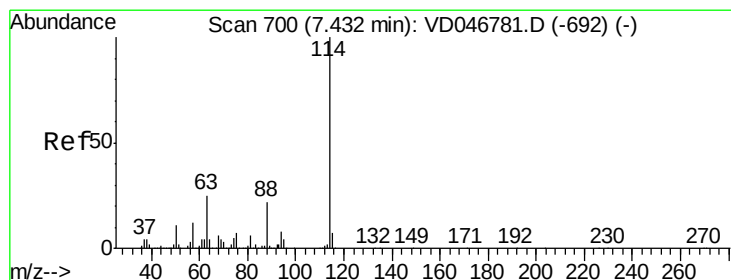
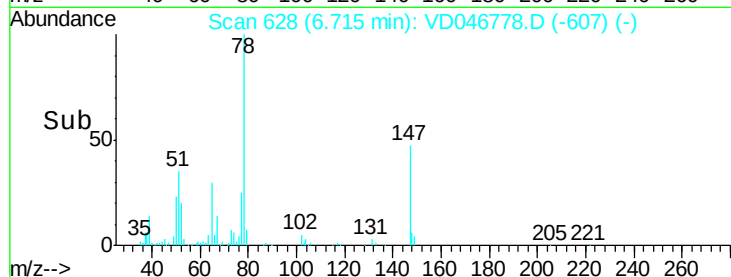
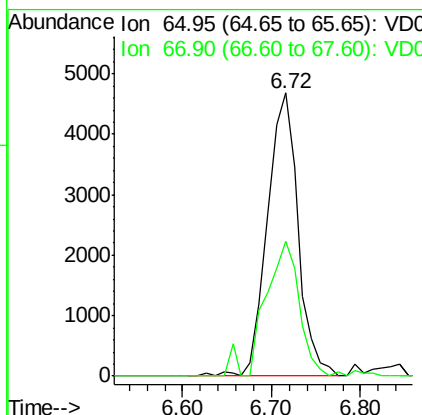
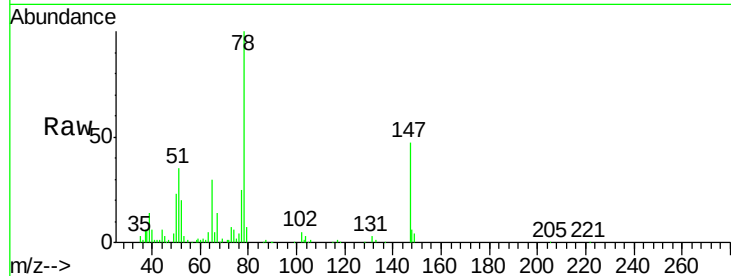
#33
 1,2-Dichloroethane-d4
 Concen: 5.19 ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 11168
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 105.4

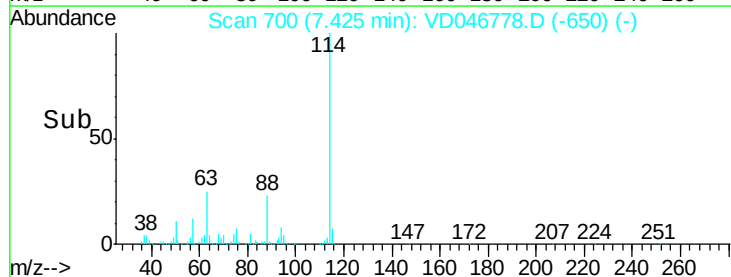
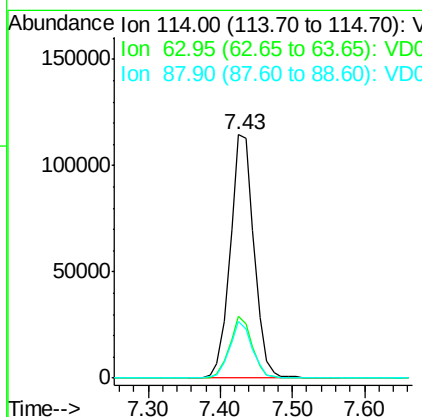
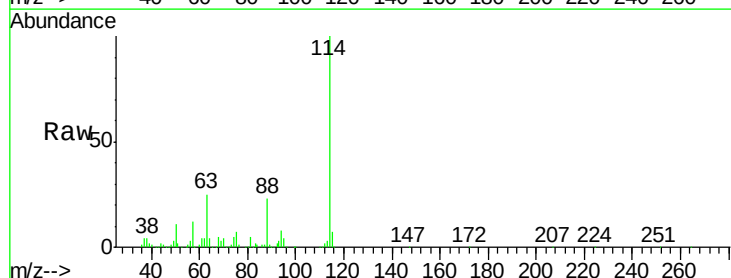
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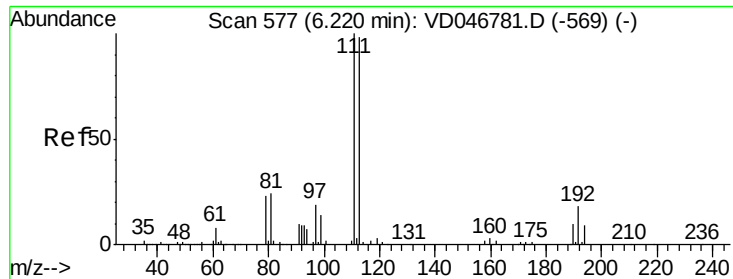
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 114 Resp: 263267
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.8
 88 23.4 0.0 43.6





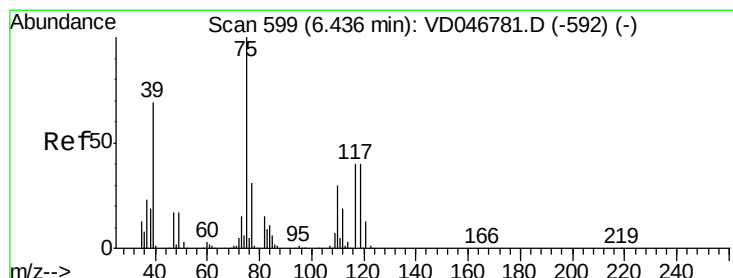
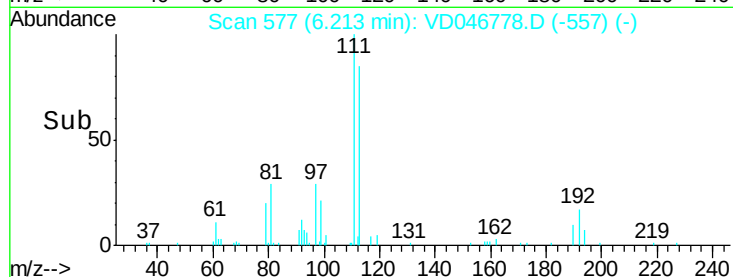
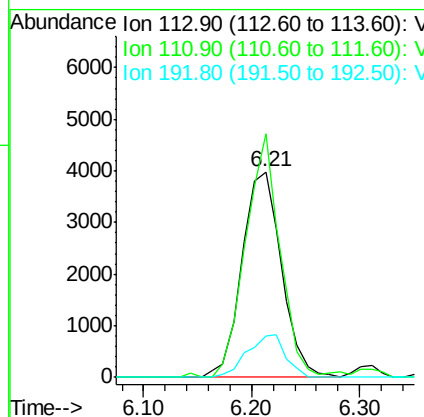
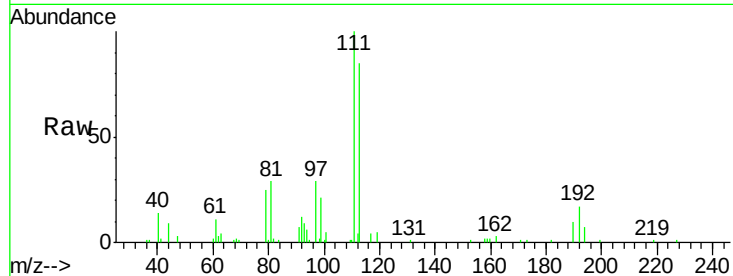
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.21 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	10180		
111	118.3	79.4	119.0	
192	20.4	14.6	22.0	

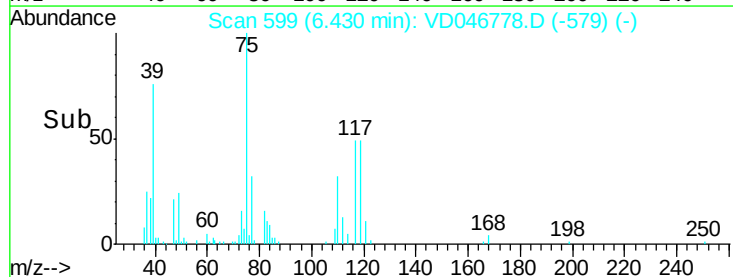
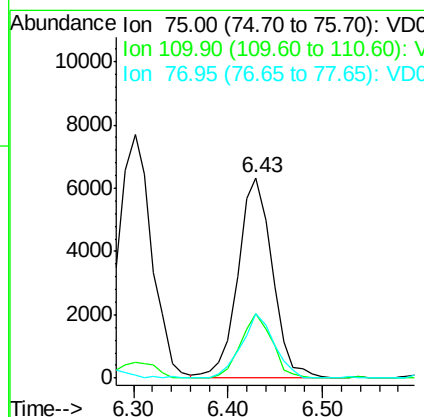
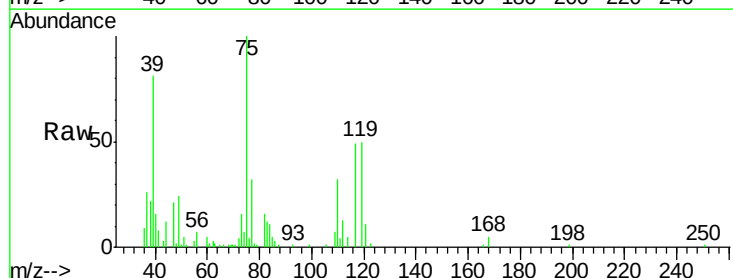
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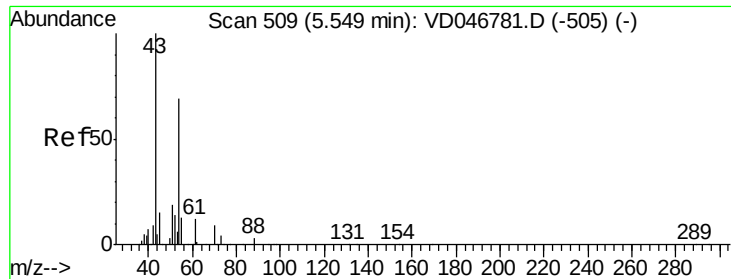
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#36
1,1-Dichloropropene
Concen: 5.19 ug/l
RT: 6.43 min Scan# 599
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15981		
110	31.9	13.7	41.0	
77	32.4	24.7	37.1	





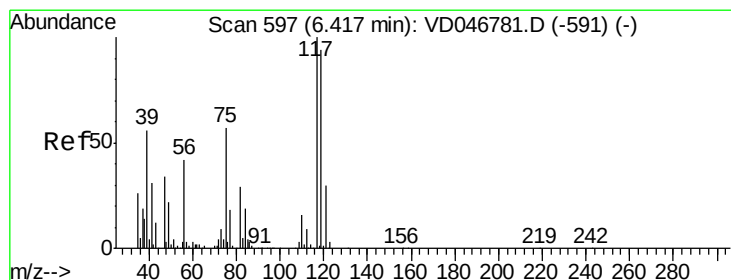
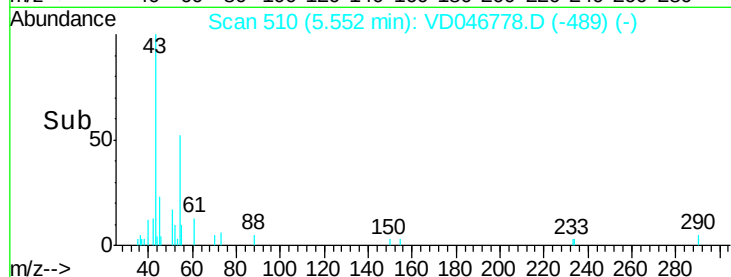
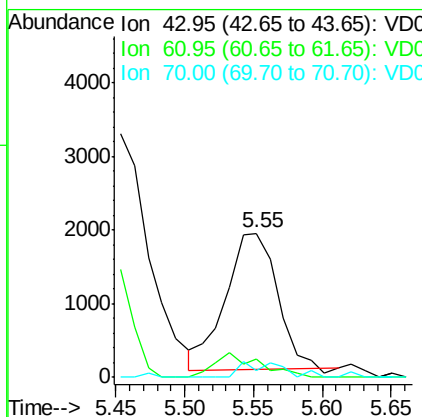
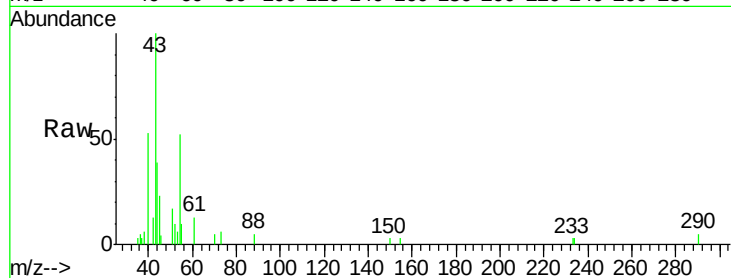
#37
Ethyl Acetate
 Concen: 3.97 ug/l
 RT: 5.55 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	9.4	14.2
70	4.9	6.0	9.0#

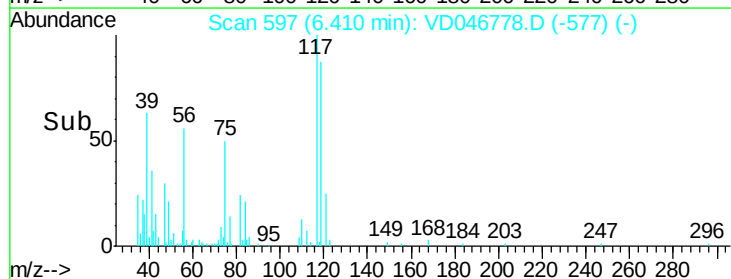
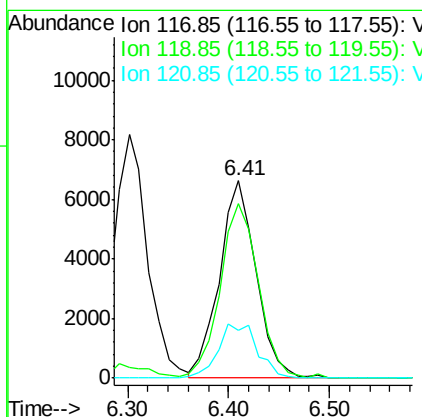
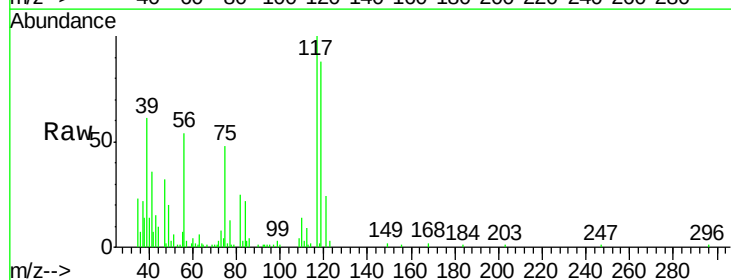
Manual Integrations
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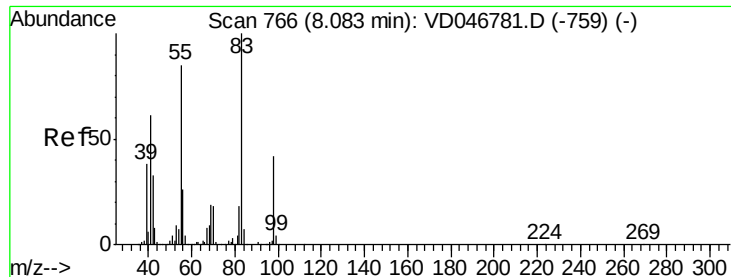
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#38
Carbon Tetrachloride
 Concen: 5.25 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.2	76.2	114.4
121	24.2	24.5	36.7#





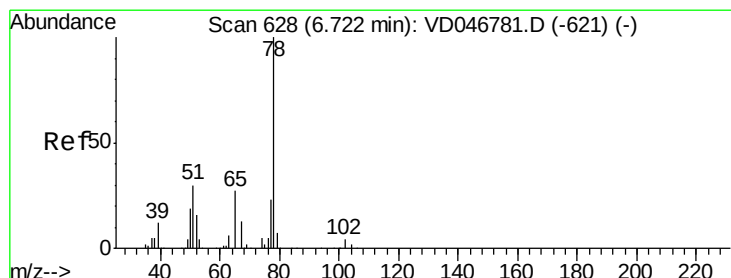
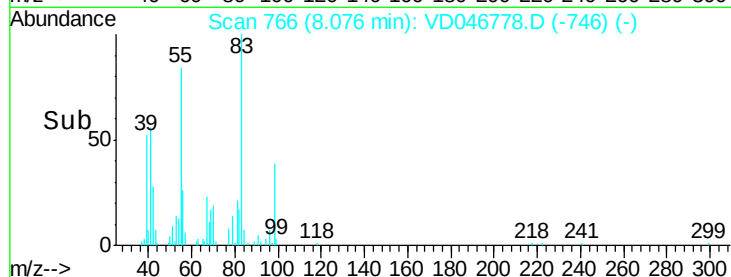
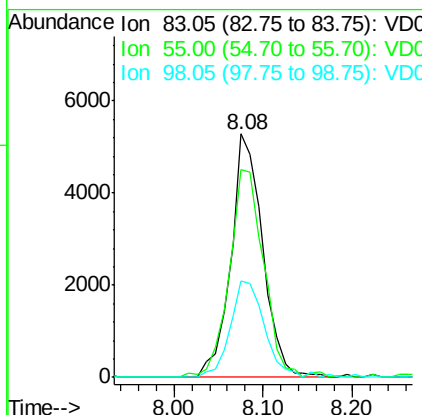
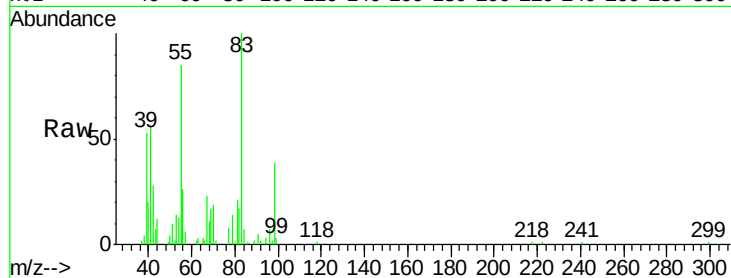
#39
Methylcyclohexane
Concen: 4.23 ug/l
RT: 8.08 min Scan# 766
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.1	71.1	106.7
98	39.5	34.6	51.8

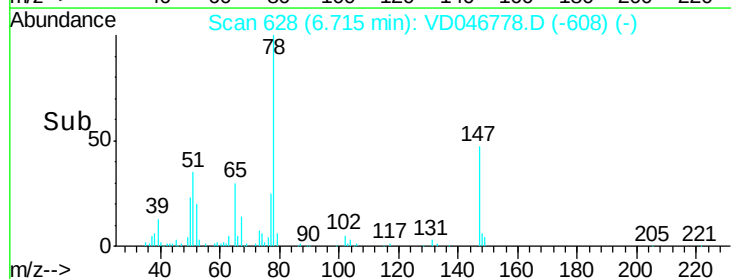
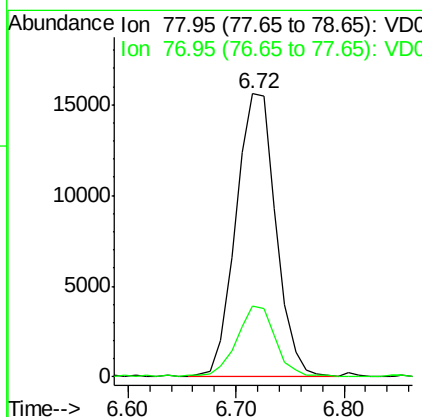
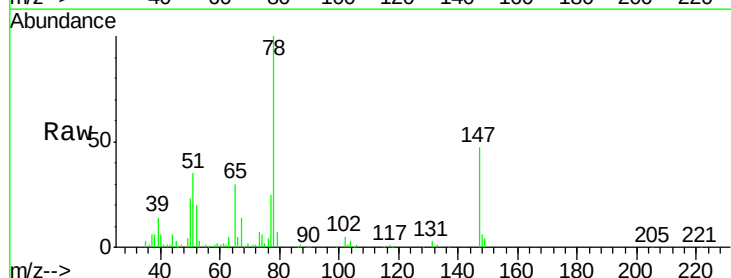
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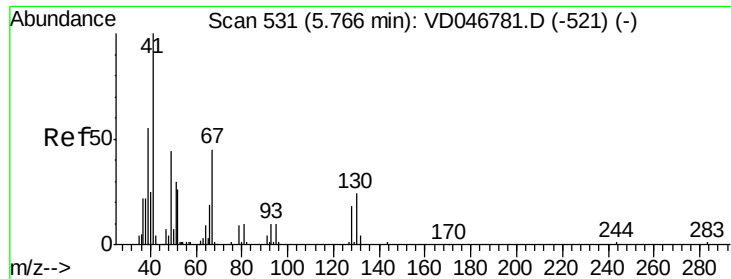
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#40
Benzene
Concen: 5.11 ug/l
RT: 6.72 min Scan# 628
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.9	29.9





#41

Methacrylonitrile

Concen: 3.71 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

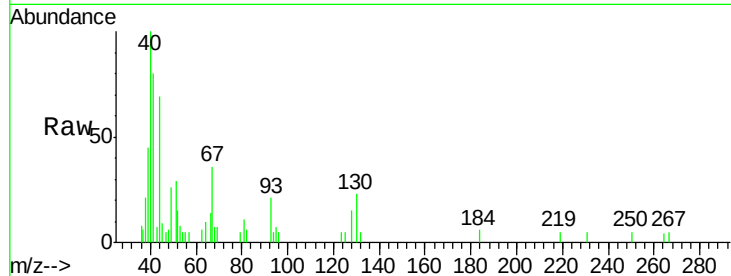
ClientSampleId :

VSTDIC005

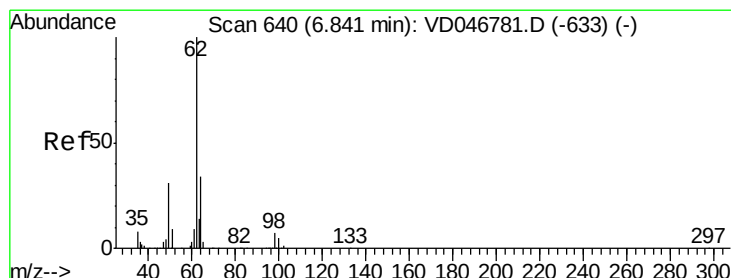
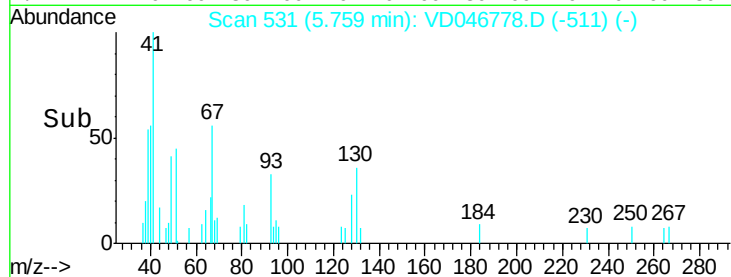
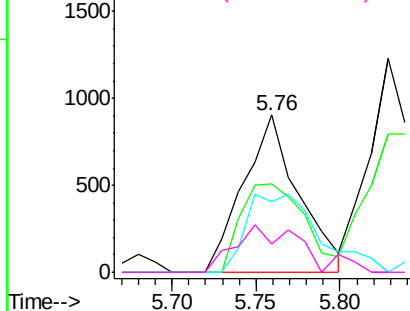
Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.1	40.2	60.4
67	44.7	32.0	48.0
52	18.1	13.8	20.8

Manual Integrations
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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 5.10 ug/l

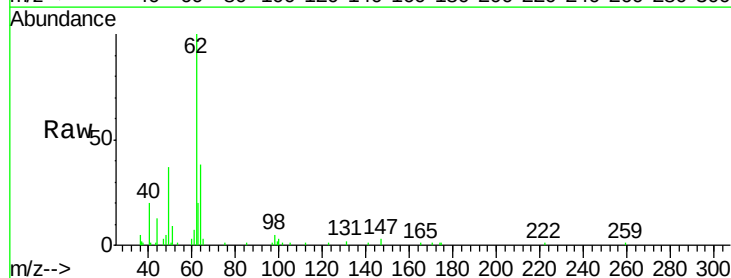
RT: 6.83 min Scan# 640

Delta R.T. -0.01 min

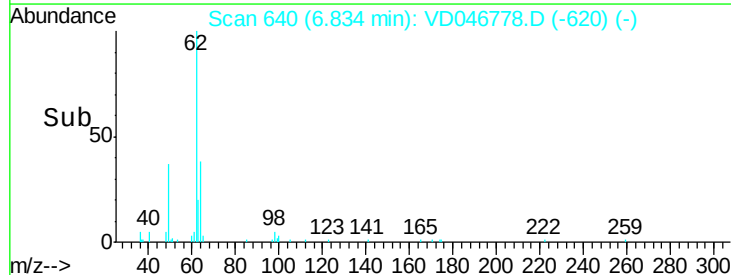
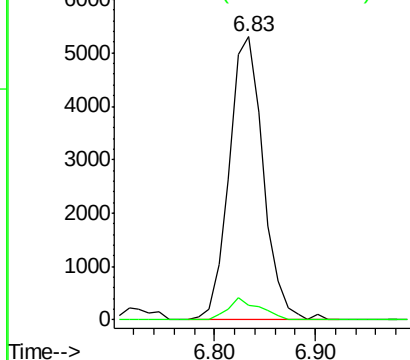
Lab File: VD046778.D

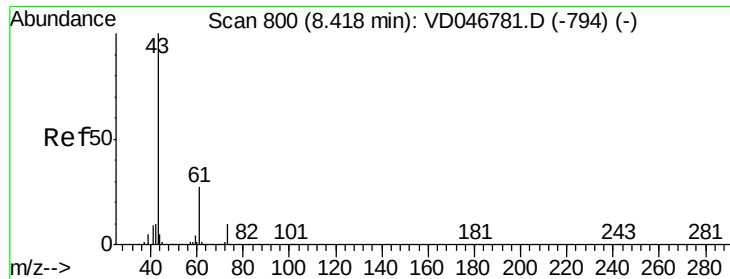
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	16.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.15 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

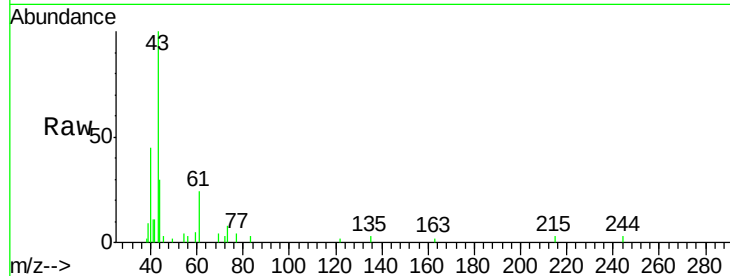
ClientSampleId :

VSTDIC005

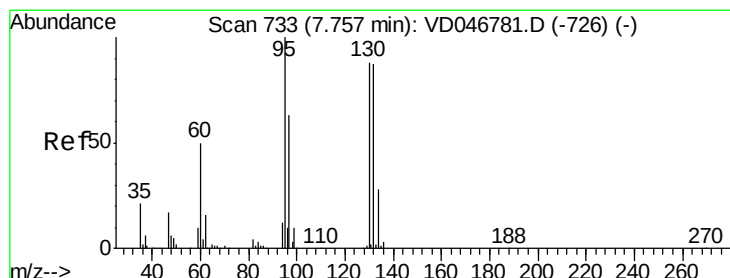
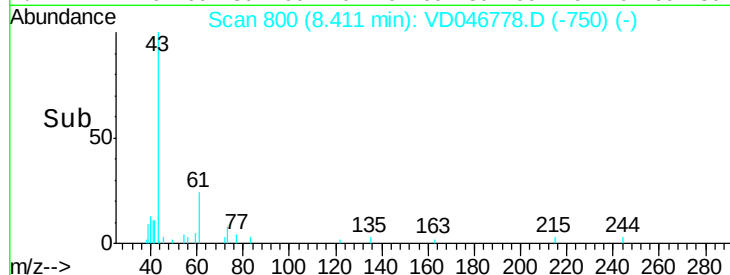
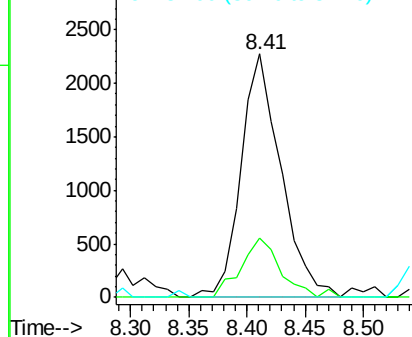
Tgt Ion:	43	Resp:	5403
Ion	Ratio	Lower	Upper
43	100		
61	24.3	19.5	29.3
87	0.0	0.2	0.2#

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.81 ug/l

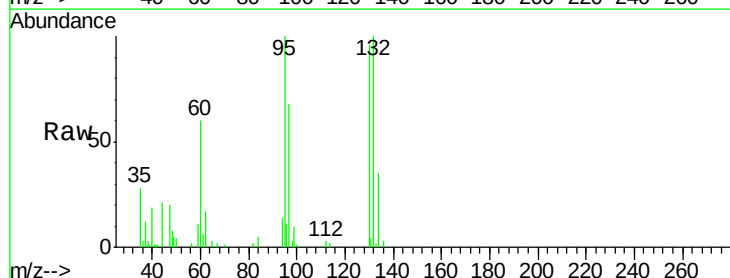
RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

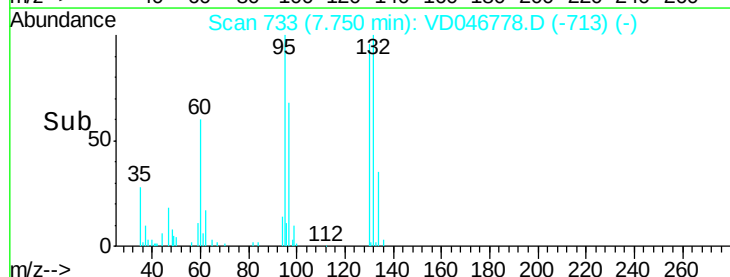
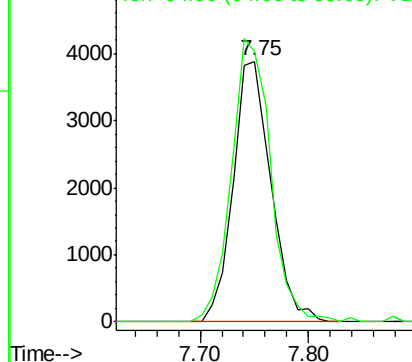
Lab File: VD046778.D

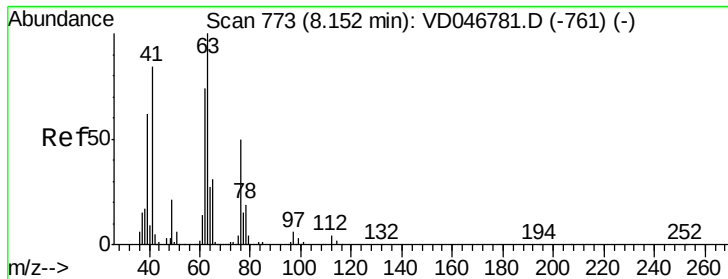
Acq: 18 Sep 2015 11:30

Tgt Ion:	130	Resp:	9458
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	229.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





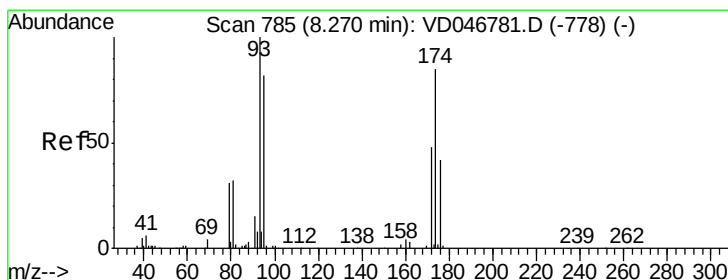
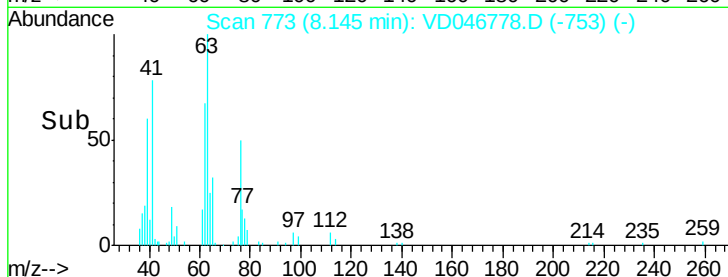
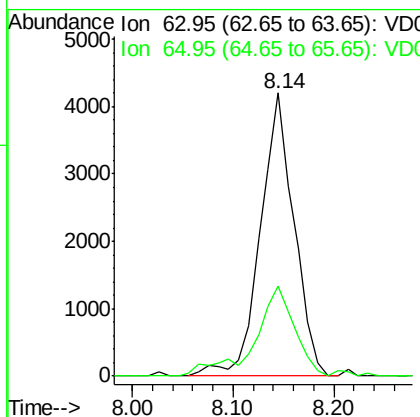
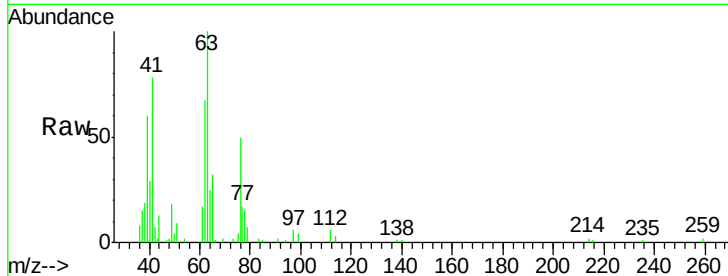
#45
 1,2-Dichloropropane
 Concen: 5.00 ug/l
 RT: 8.14 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.1	37.7

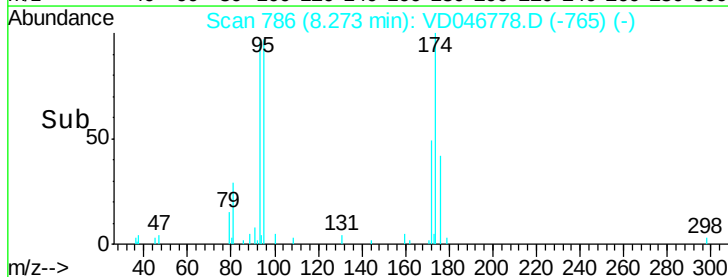
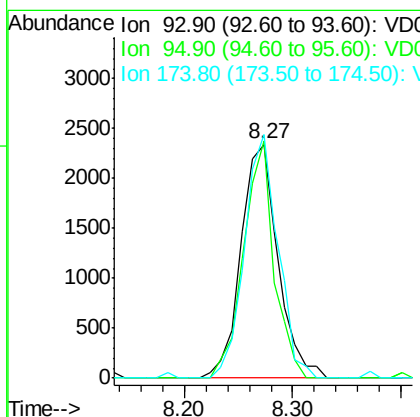
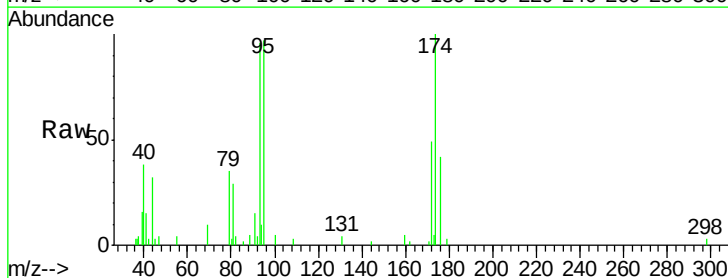
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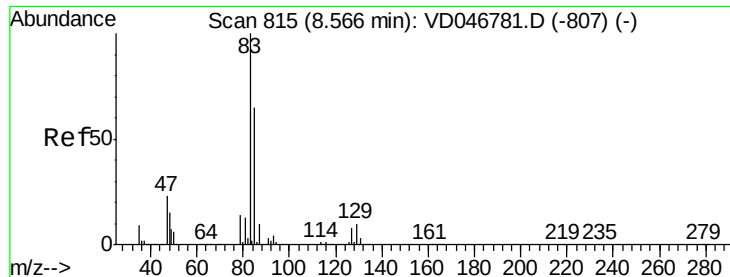
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#46
 Dibromomethane
 Concen: 5.07 ug/l
 RT: 8.27 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	101.5	70.2	105.2
174	104.3	79.0	118.4





#47

Bromodichloromethane

Concen: 5.06 ug/l

RT: 8.56 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

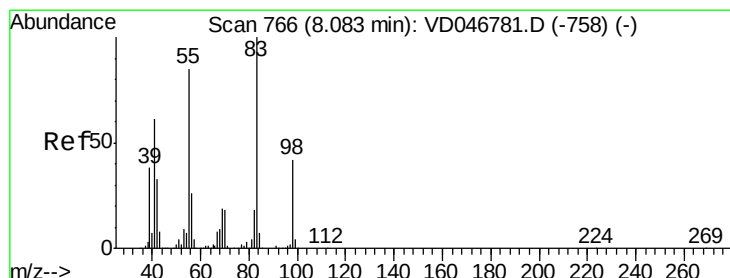
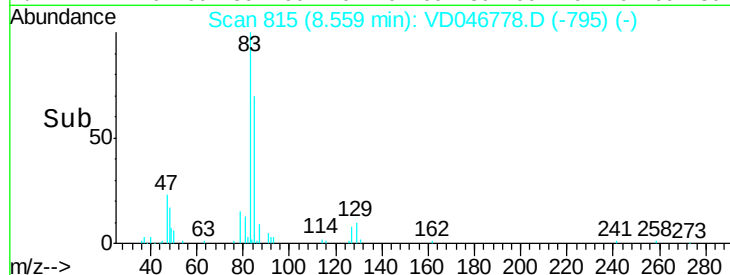
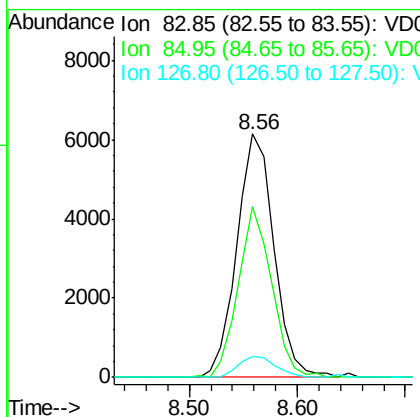
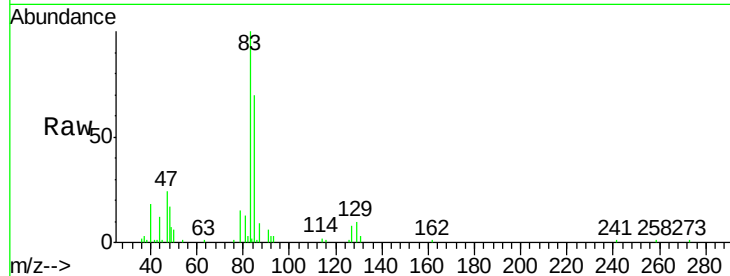
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	14687
Ion	Ratio	Lower	Upper
83	100		
85	70.1	52.6	78.8
127	8.4	5.7	8.5

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#48

Methyl methacrylate

Concen: 4.02 ug/l

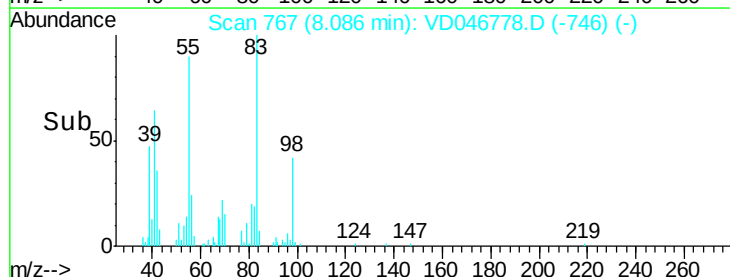
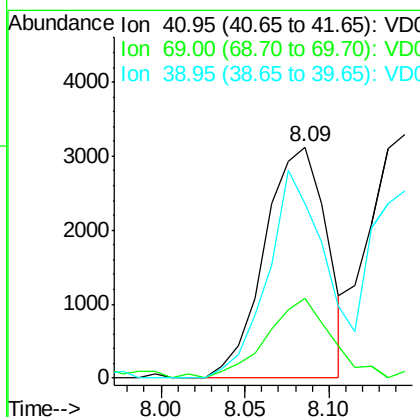
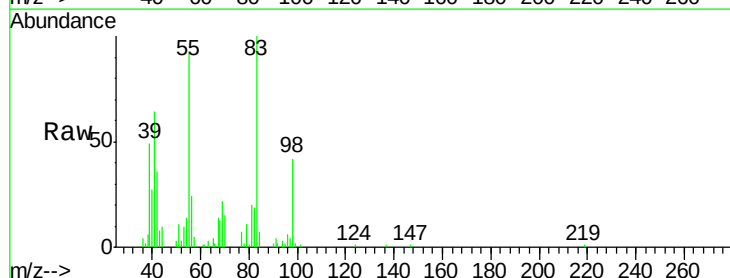
RT: 8.09 min Scan# 767

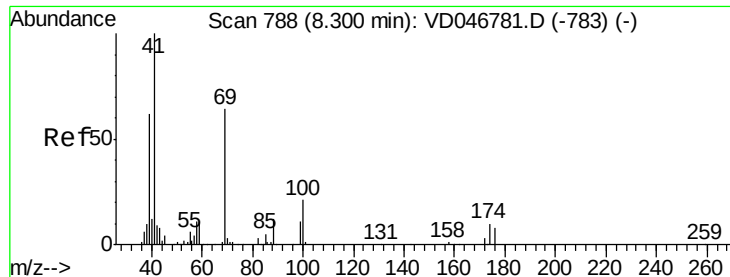
Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion:	41	Resp:	8008
Ion	Ratio	Lower	Upper
41	100		
69	34.6	25.3	37.9
39	75.5	47.4	71.0#





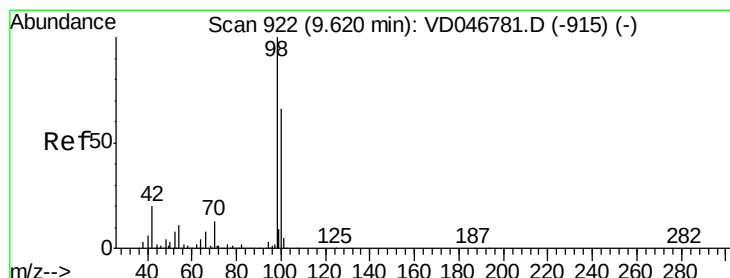
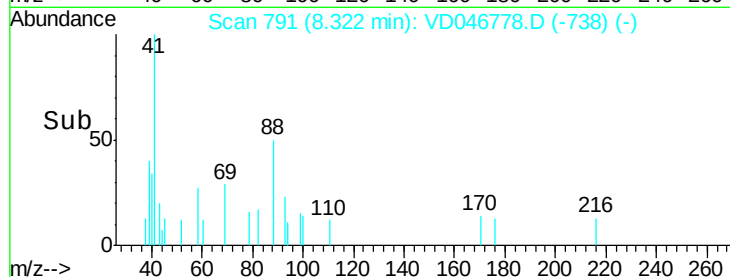
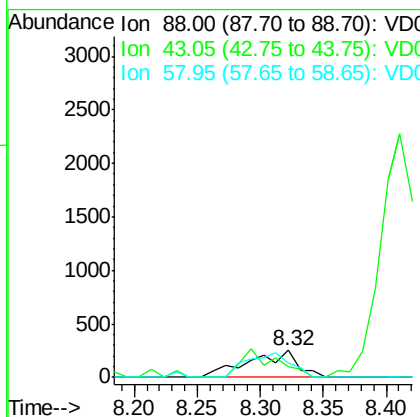
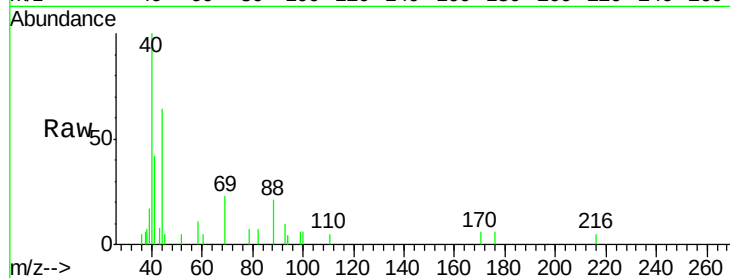
#49
1,4-Dioxane
Concen: 92.83 ug/l
RT: 8.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.1	50.0	75.0#
58	53.2	48.3	72.5

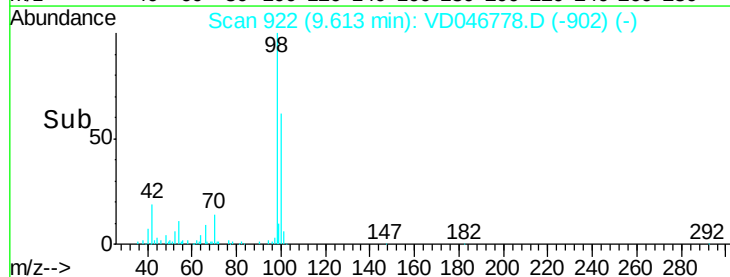
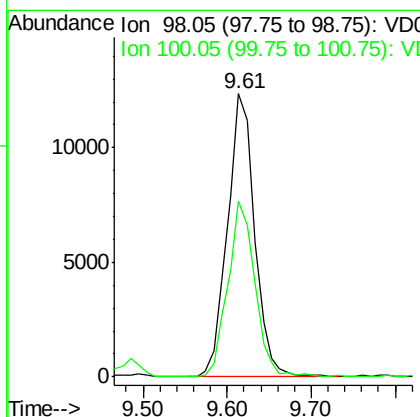
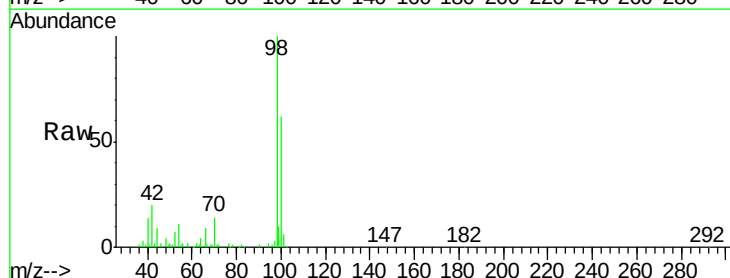
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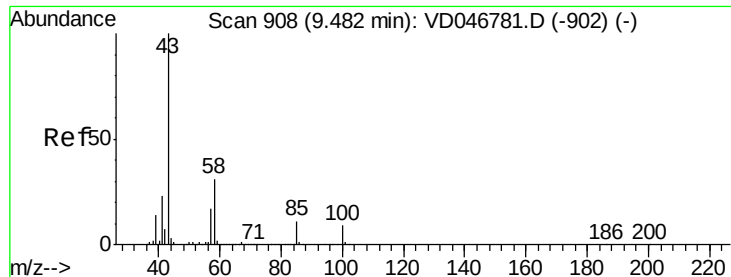
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#50
Toluene-d8
Concen: 92.83 ug/l
RT: 9.61 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.1	49.9	74.9





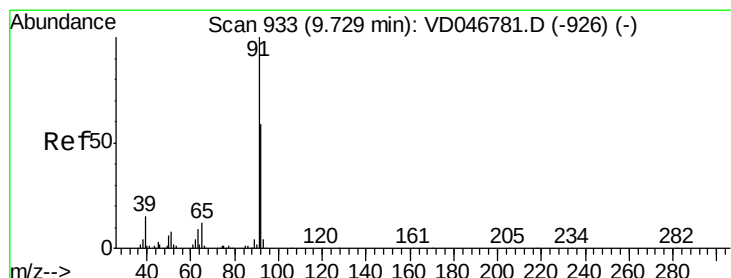
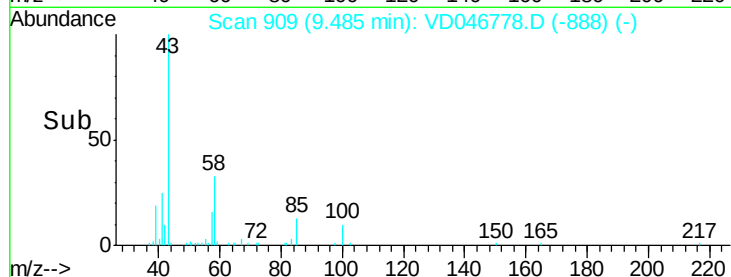
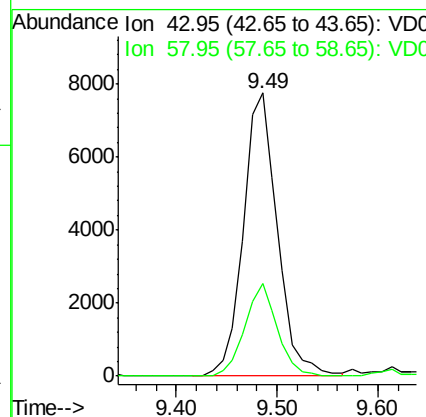
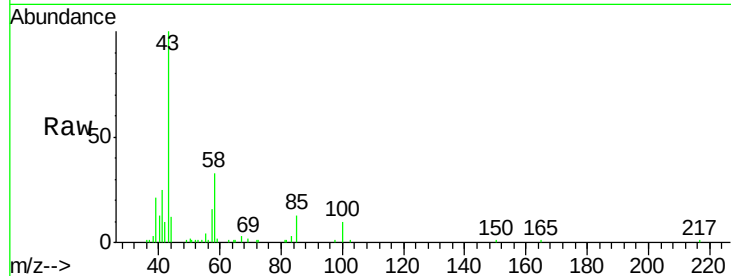
#51
4-Methyl-2-Pentanone
Concen: 19.37 ug/l
RT: 9.49 min Scan# 909
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 18231
Ion Ratio Lower Upper
43 100
58 32.8 22.2 33.2

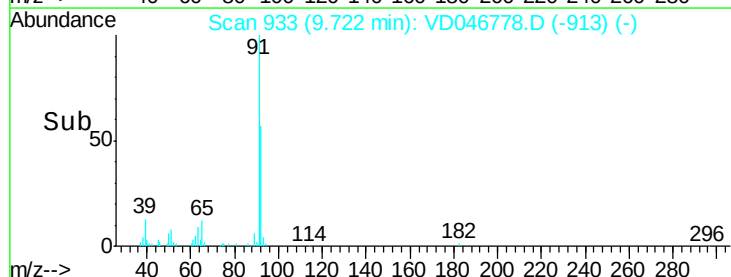
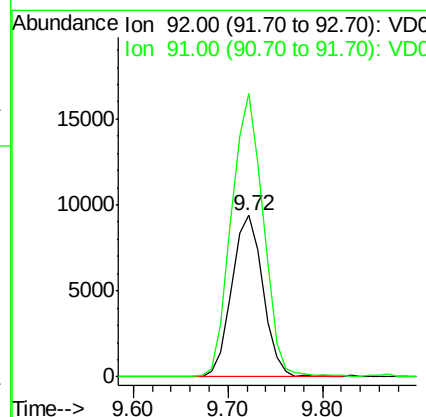
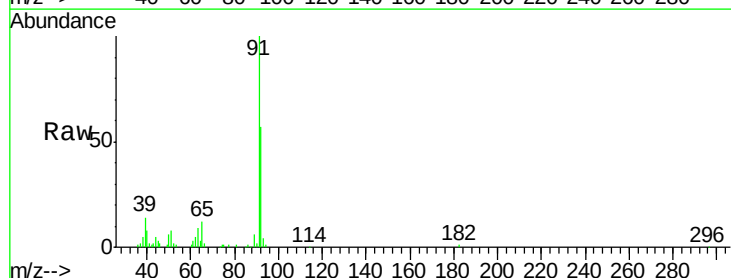
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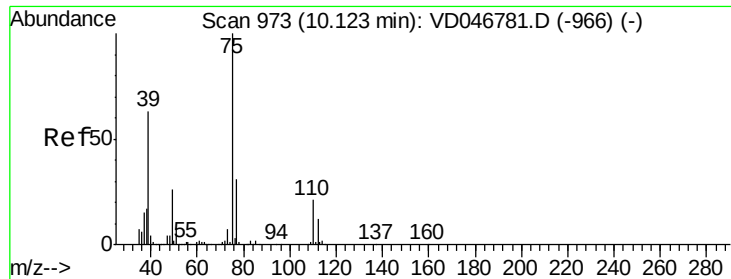
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#52
Toluene
Concen: 4.42 ug/l
RT: 9.72 min Scan# 933
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 92 Resp: 21427
Ion Ratio Lower Upper
92 100
91 175.0 139.4 209.0





#53

t-1,3-Dichloropropene

Concen: 4.01 ug/l

RT: 10.12 min Scan# 973

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 8596

Ion Ratio Lower Upper

75 100

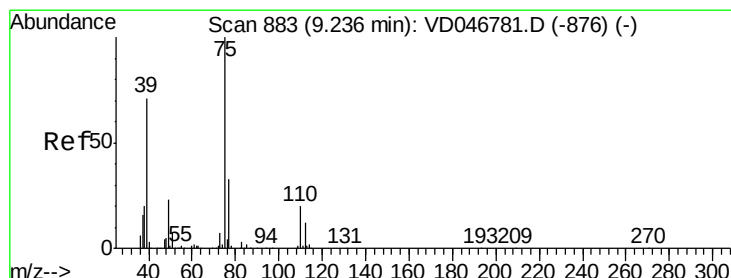
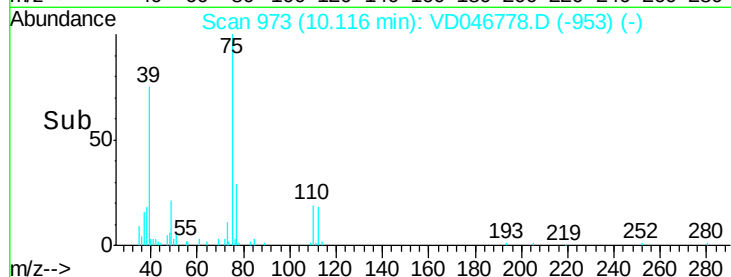
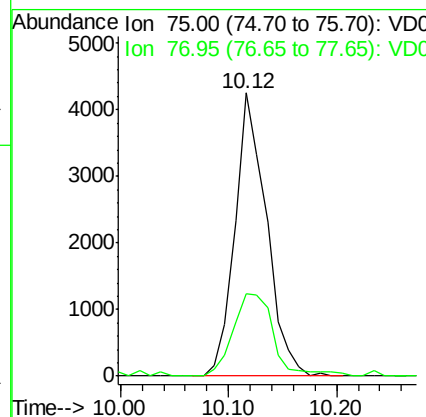
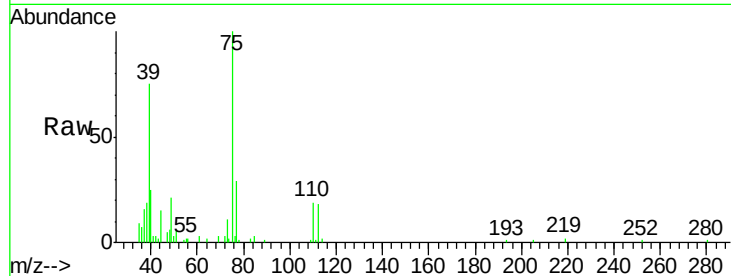
77 29.0 27.6 41.4

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#54

cis-1,3-Dichloropropene

Concen: 4.22 ug/l

RT: 9.23 min Scan# 883

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

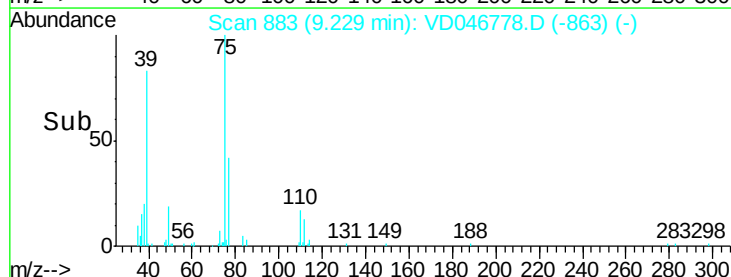
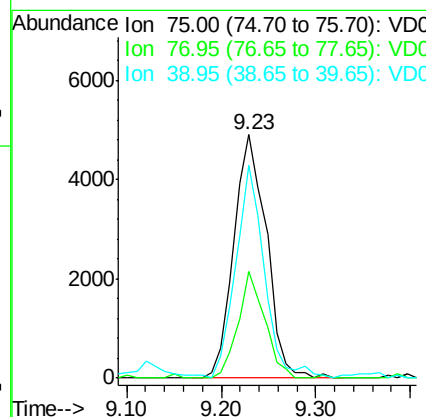
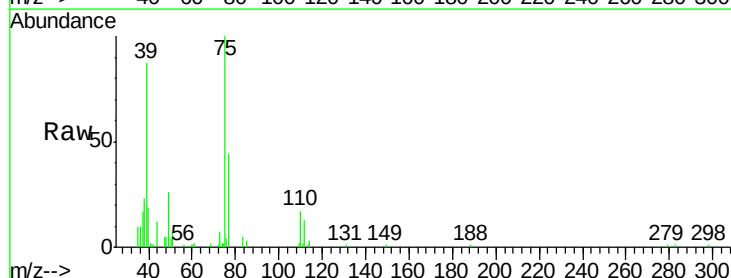
Tgt Ion: 75 Resp: 11640

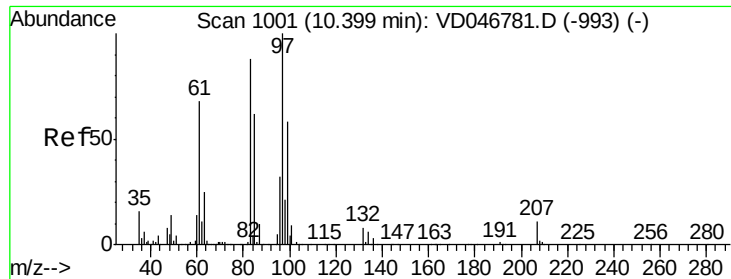
Ion Ratio Lower Upper

75 100

77 43.8 23.8 35.6#

39 87.4 53.0 79.6#





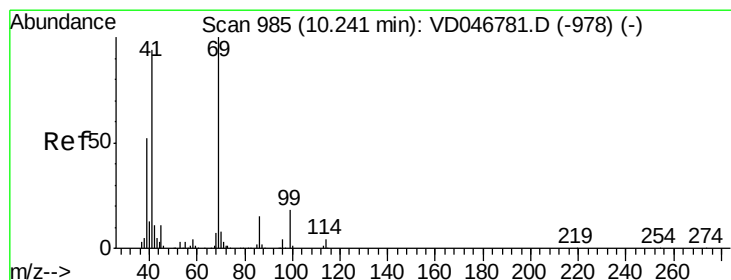
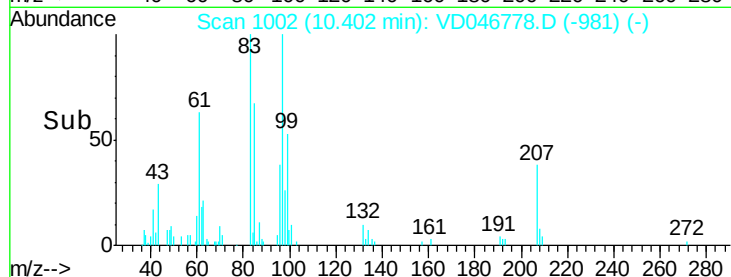
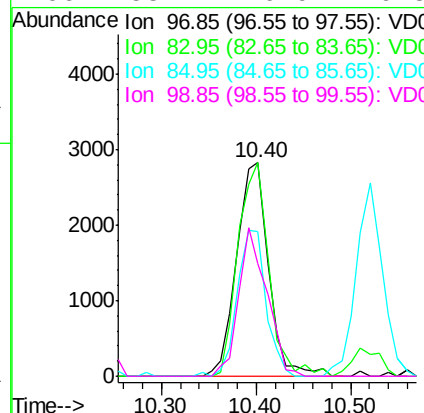
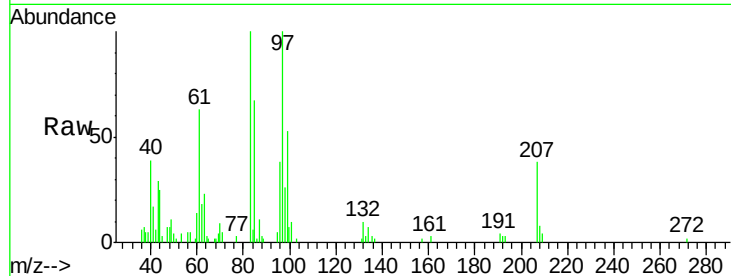
#55
 1,1,2-Trichloroethane
 Concen: 5.26 ug/l
 RT: 10.40 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
97	100		
83	100.1	75.3	112.9
85	67.6	50.9	76.3
99	53.1	46.9	70.3

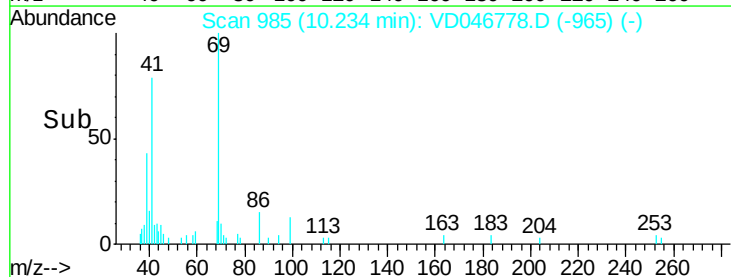
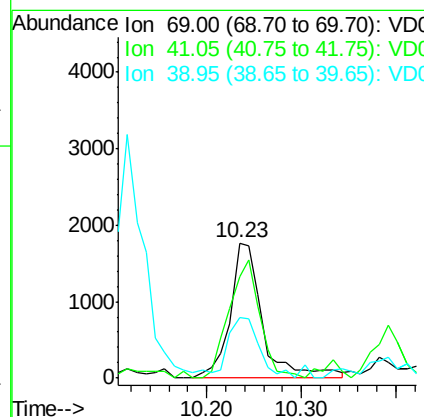
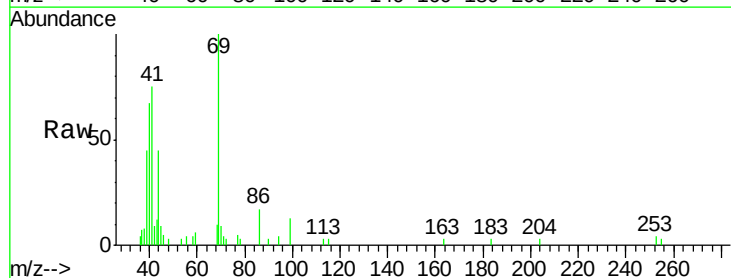
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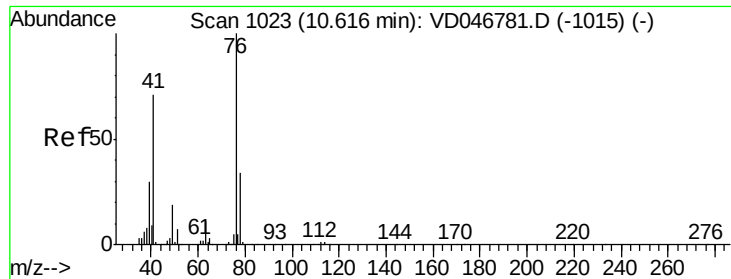
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#56
 Ethyl methacrylate
 Concen: 6.86 ug/l
 RT: 10.23 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
69	100		
41	75.5	75.4	113.0
39	44.7	41.0	61.4





#57

1,3-Dichloropropane

Concen: 4.79 ug/l

RT: 10.61 min Scan# 1023

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 11178

Ion Ratio Lower Upper

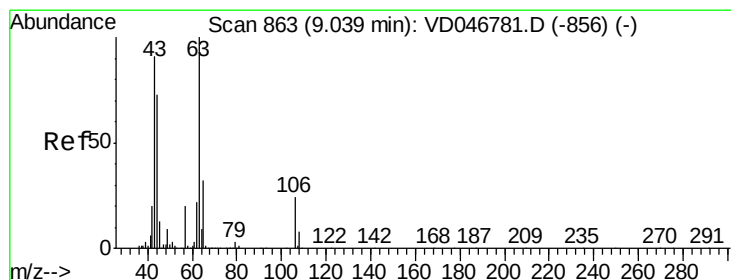
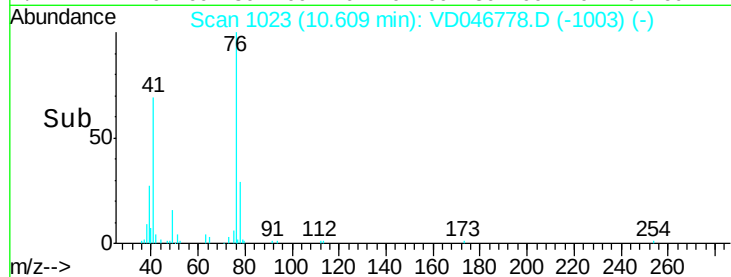
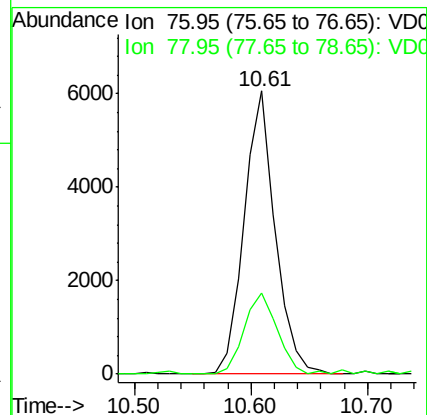
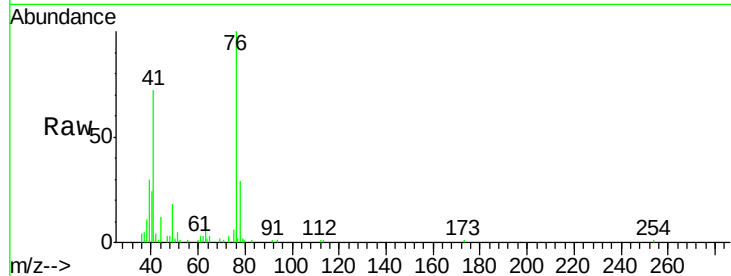
76 100

78 28.8 26.6 39.8

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#58

2-Chloroethyl Vinyl ether

Concen: 19.24 ug/l

RT: 9.03 min Scan# 863

Delta R.T. -0.01 min

Lab File: VD046778.D

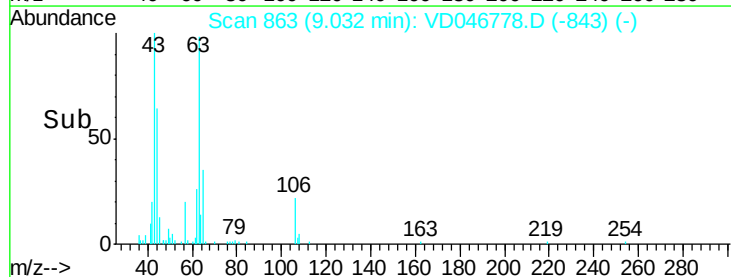
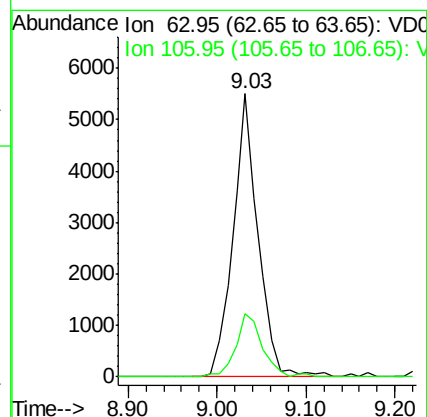
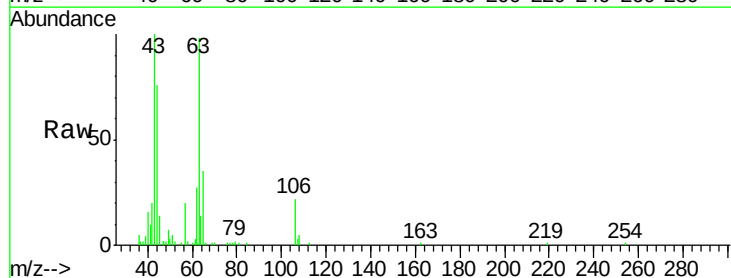
Acq: 18 Sep 2015 11:30

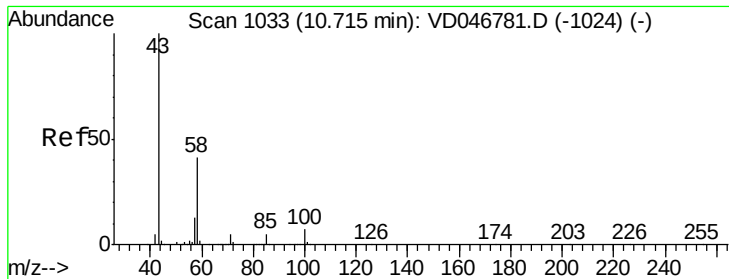
Tgt Ion: 63 Resp: 10836

Ion Ratio Lower Upper

63 100

106 22.2 17.8 26.8





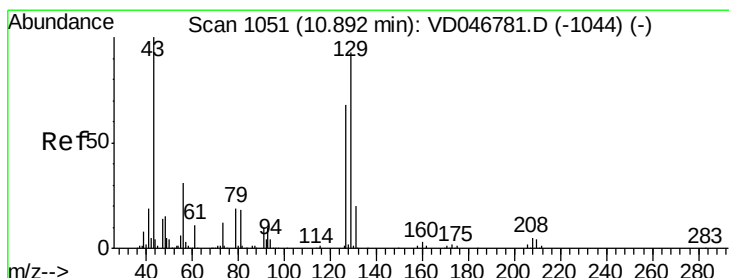
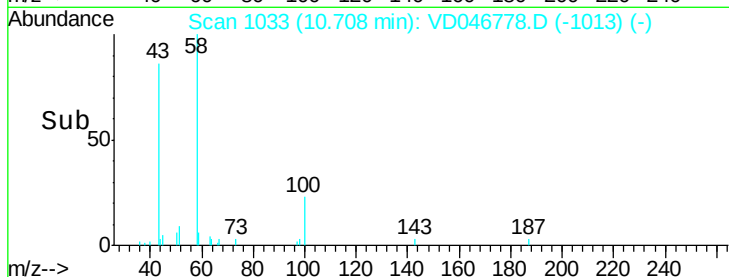
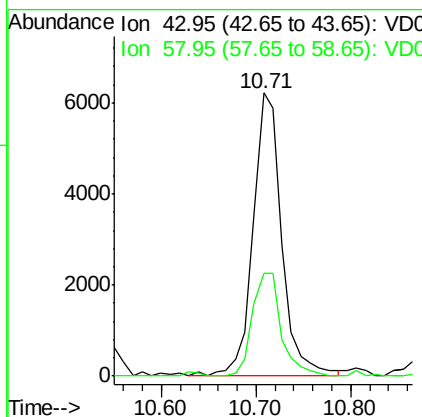
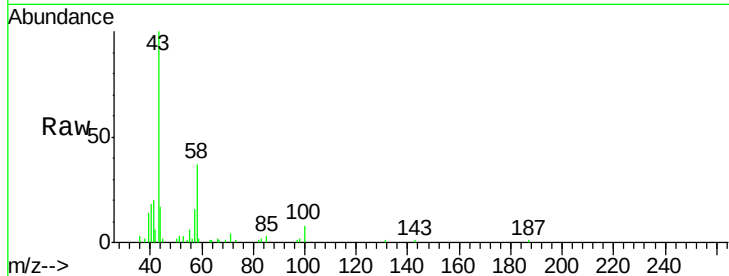
#59
2-Hexanone
Concen: 29.88 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	18.6	55.8

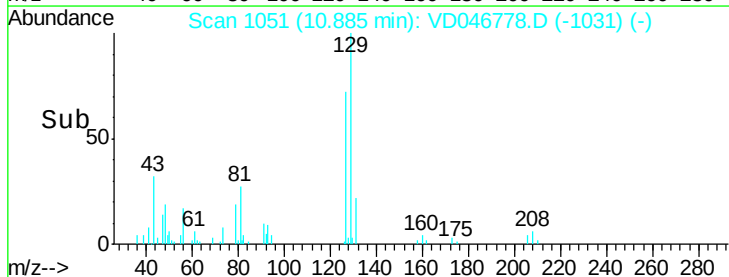
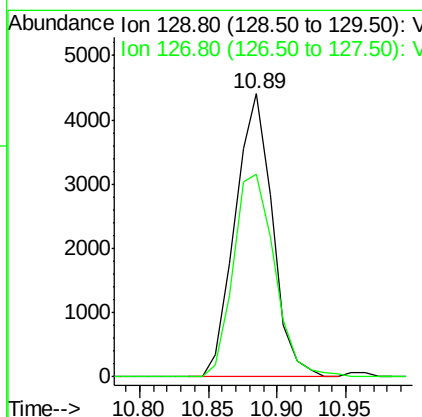
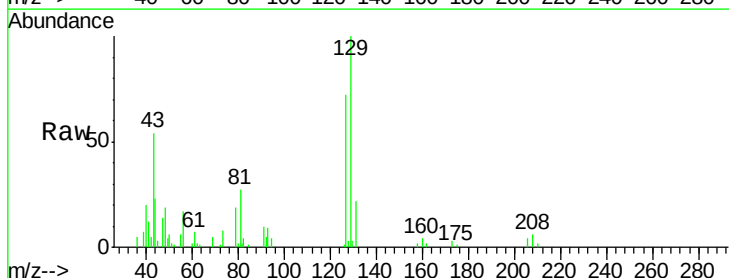
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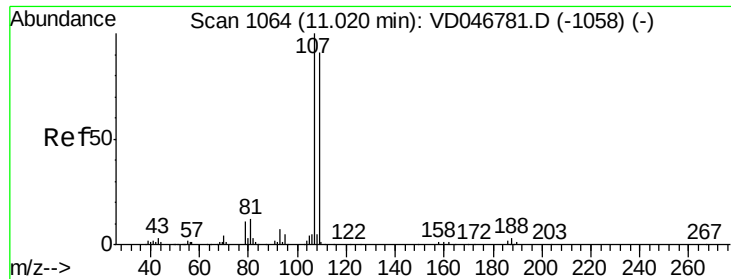
MMDadoda
9/21/2015 11:38:24 AM



#60
Dibromochloromethane
Concen: 4.83 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.6	38.2	114.6





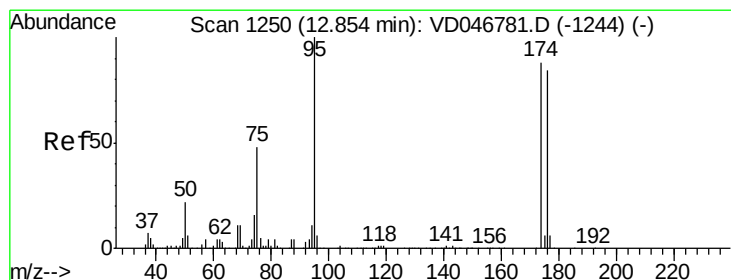
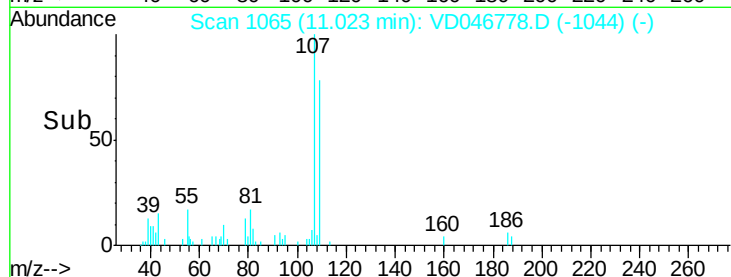
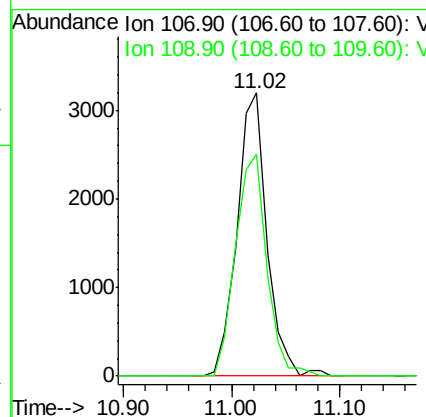
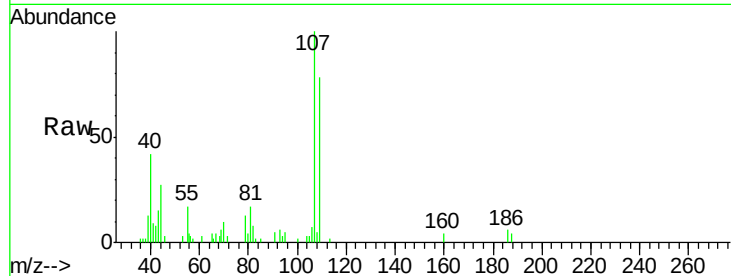
#61
 1,2-Dibromoethane
 Concen: 4.97 ug/l
 RT: 11.02 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 107 Resp: 6157
 Ion Ratio Lower Upper
 107 100
 109 78.4 71.4 107.0

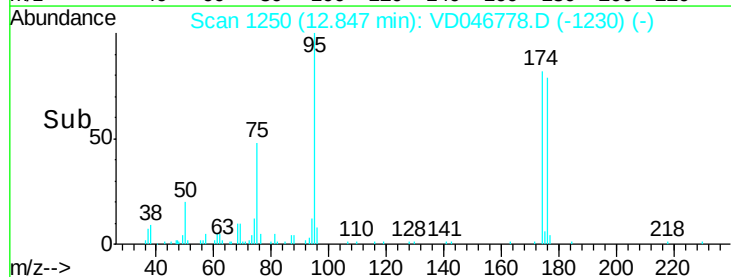
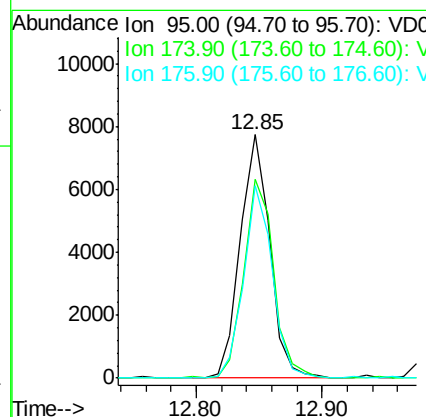
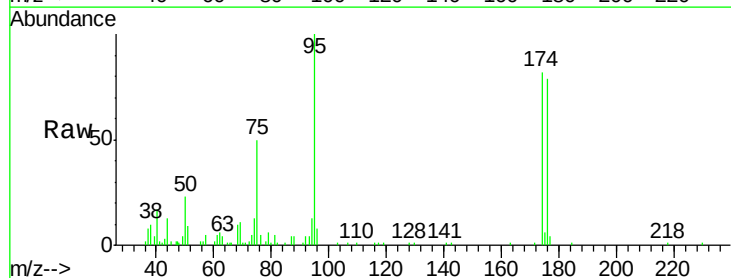
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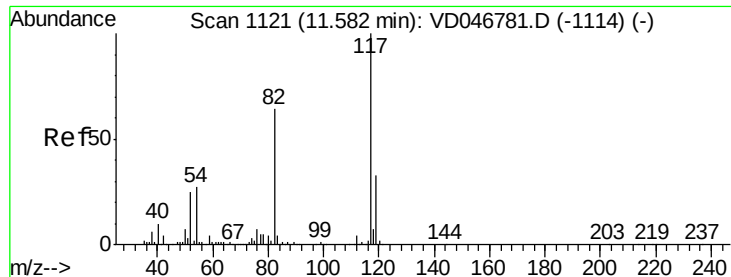
MMDadoda
 9/21/2015 11:38:24 AM



#62
 4-Bromofluorobenzene
 Concen: 4.97 ug/l
 RT: 12.85 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 95 Resp: 12513
 Ion Ratio Lower Upper
 95 100
 174 81.6 0.0 149.8
 176 79.2 0.0 143.4





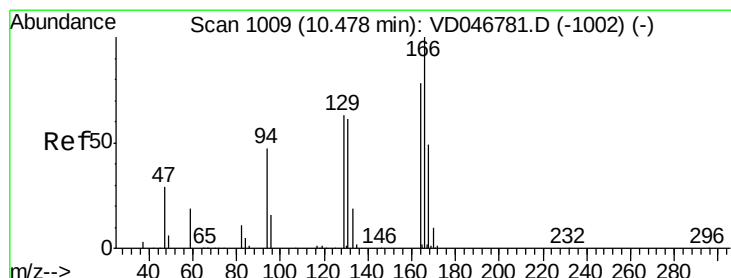
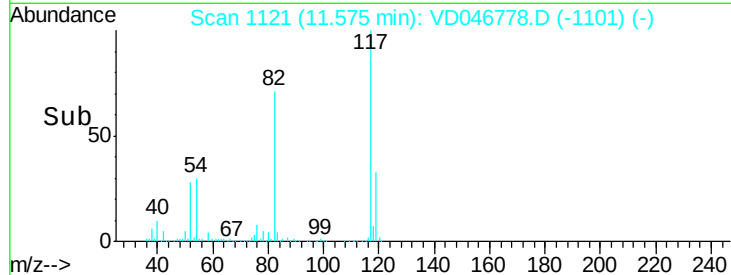
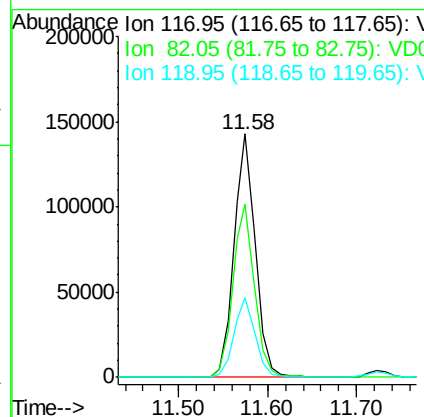
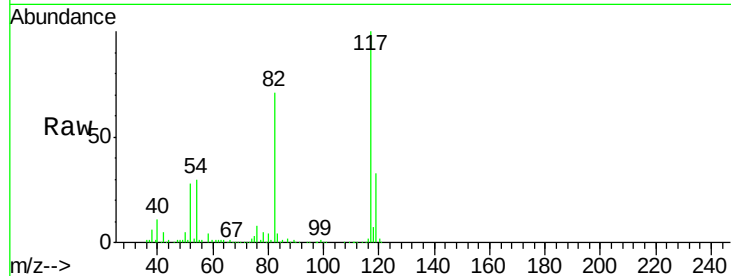
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	241890		
82	71.0	50.6	75.8	
119	33.0	25.8	38.8	

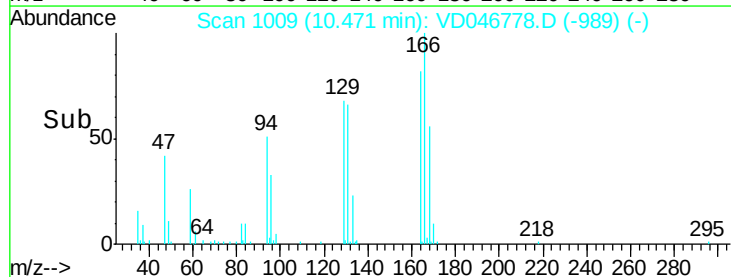
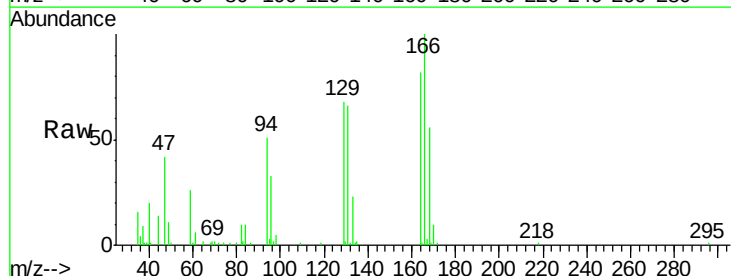
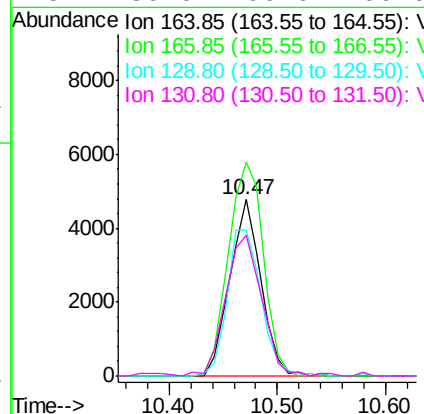
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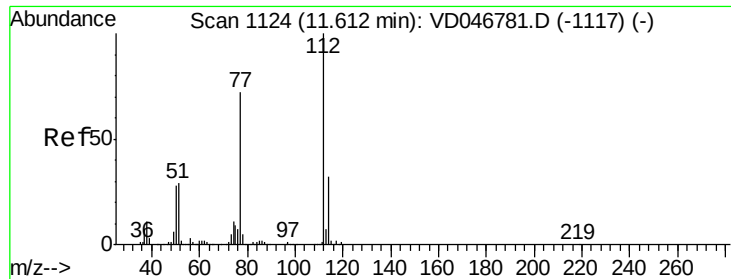
MMDadoda
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#64
Tetrachloroethene
Concen: 4.90 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9580		
166	121.3	106.8	160.2	
129	82.5	70.6	106.0	
131	80.0	66.6	100.0	





#65

Chlorobenzene

Concen: 5.17 ug/l

RT: 11.60 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 26343

Ion Ratio Lower Upper

112 100

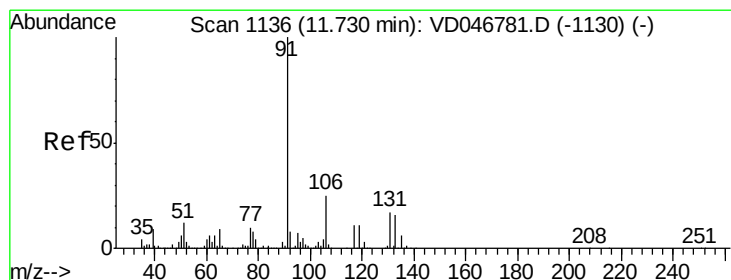
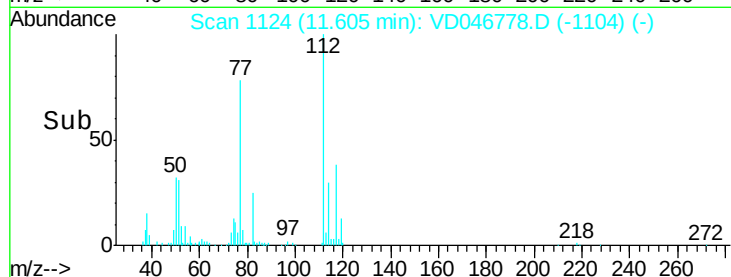
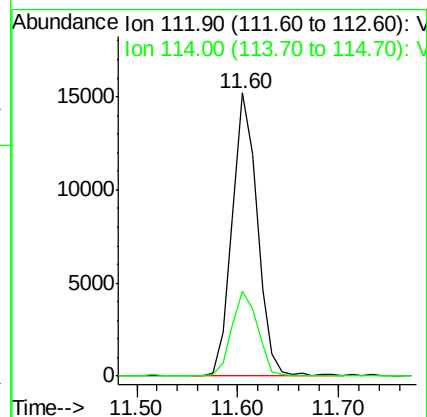
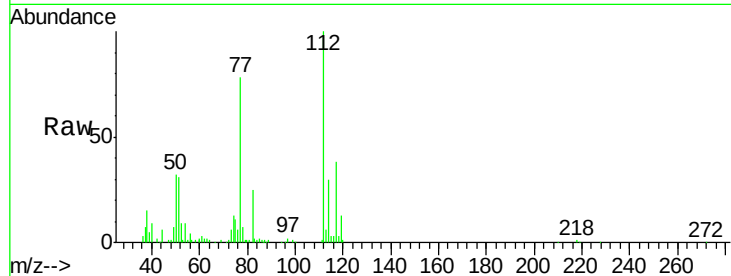
114 29.9 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.10 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

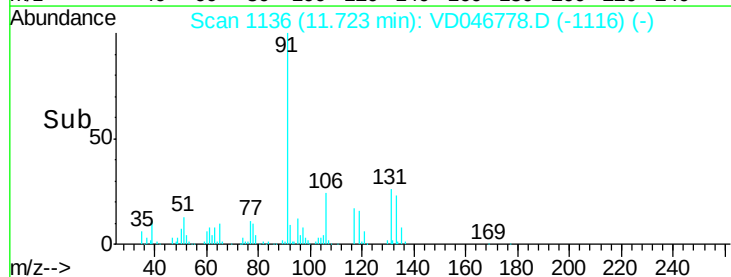
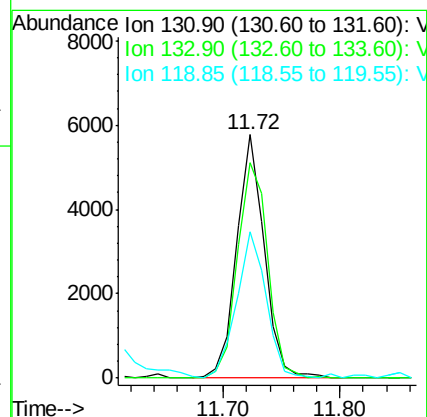
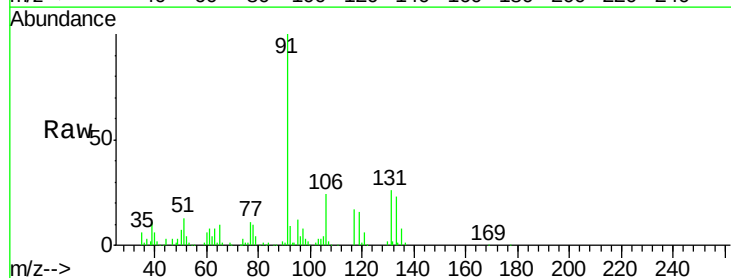
Tgt Ion:131 Resp: 9543

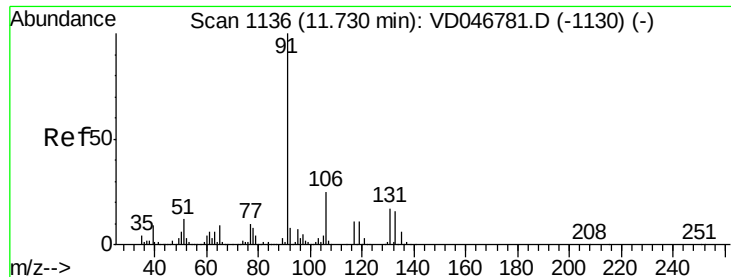
Ion Ratio Lower Upper

131 100

133 88.7 48.4 145.0

119 60.1 31.5 94.5





#67

Ethyl Benzene

Concen: 4.63 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 47338

Ion Ratio Lower Upper

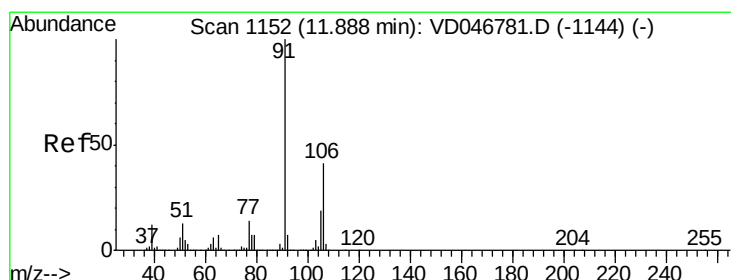
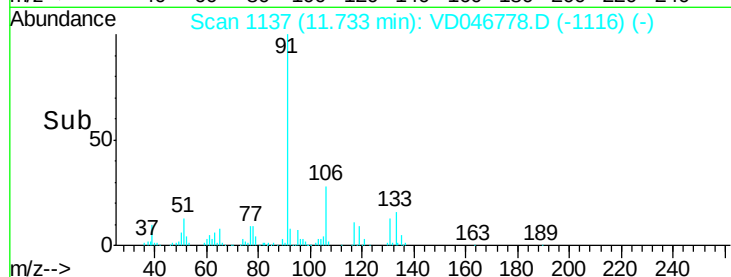
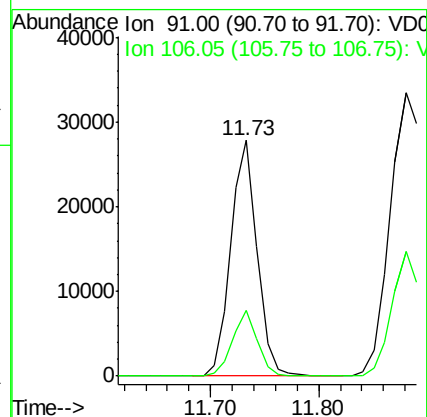
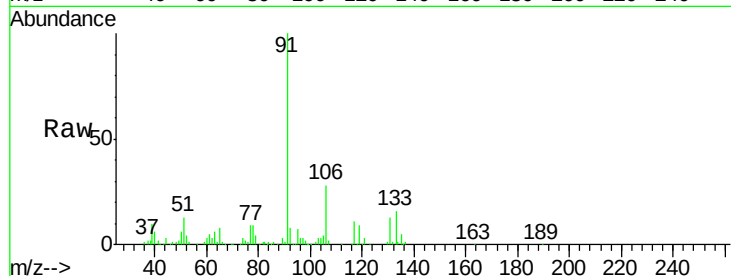
91 100

106 27.9 20.2 30.2

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#68

m/p-Xylenes

Concen: 9.07 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VD046778.D

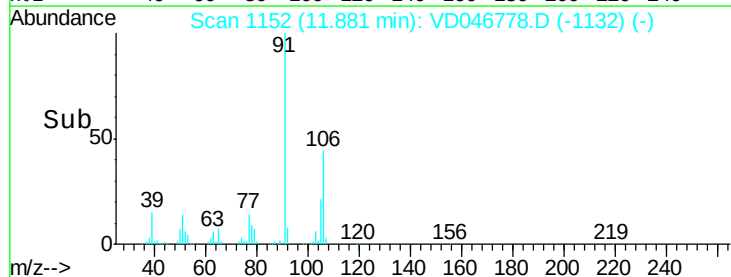
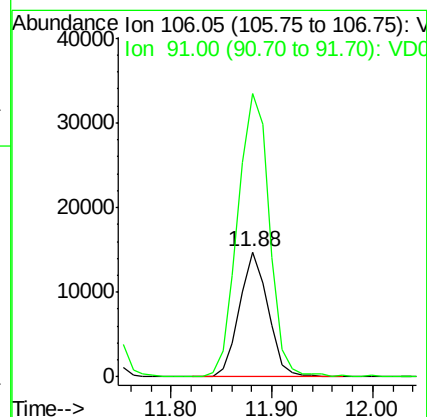
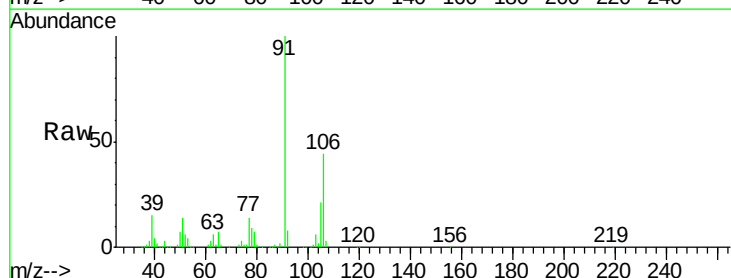
Acq: 18 Sep 2015 11:30

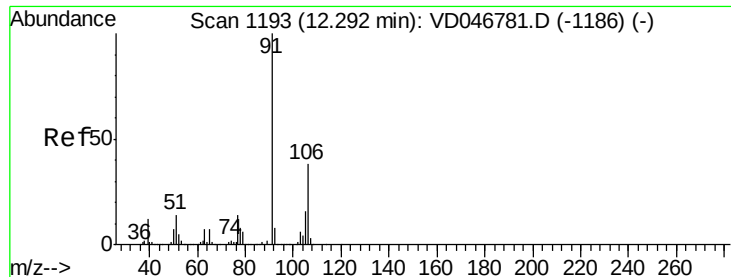
Tgt Ion: 106 Resp: 29258

Ion Ratio Lower Upper

106 100

91 226.3 187.9 281.9





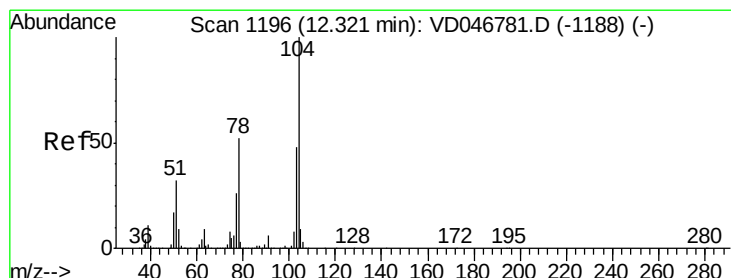
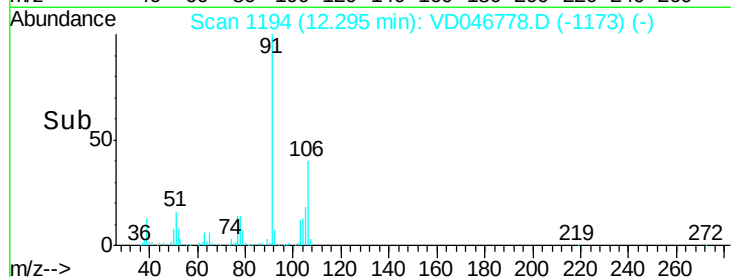
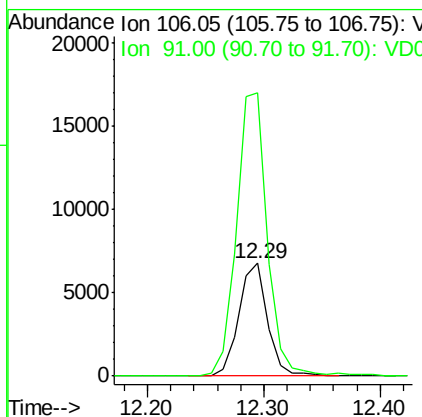
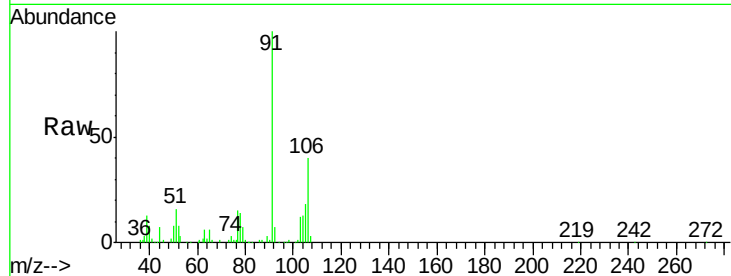
#69
o-Xylene
Concen: 3.98 ug/l
RT: 12.29 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 11572
Ion Ratio Lower Upper
106 100
91 250.6 124.8 374.5

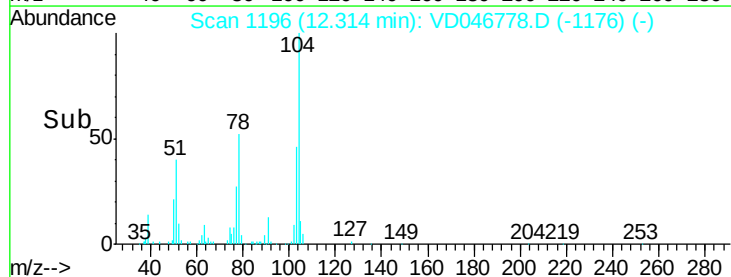
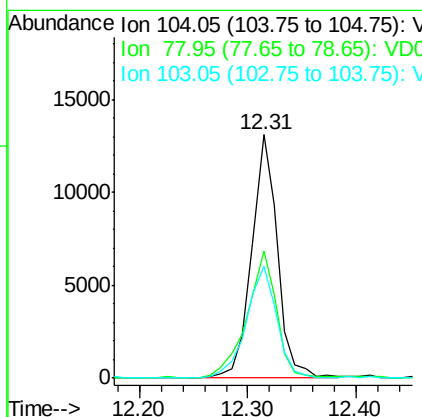
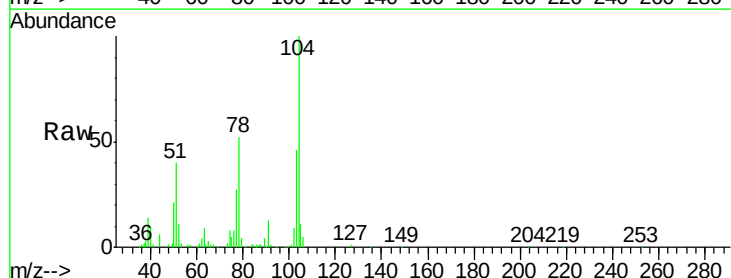
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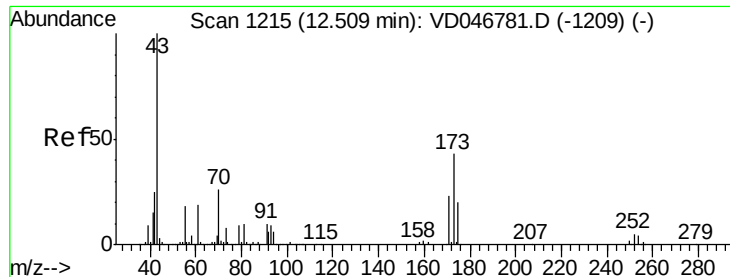
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#70
Styrene
Concen: 4.33 ug/l
RT: 12.31 min Scan# 1196
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:104 Resp: 21793
Ion Ratio Lower Upper
104 100
78 52.1 44.5 66.7
103 45.9 40.3 60.5





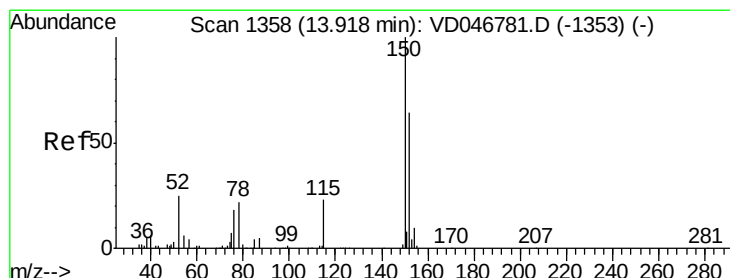
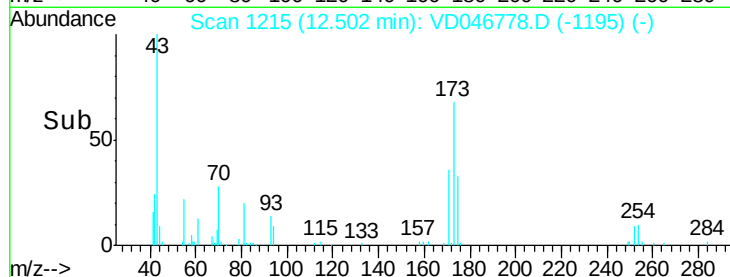
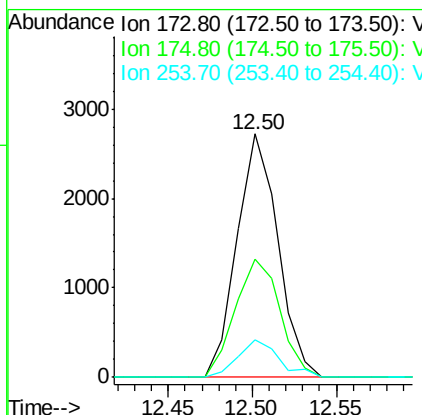
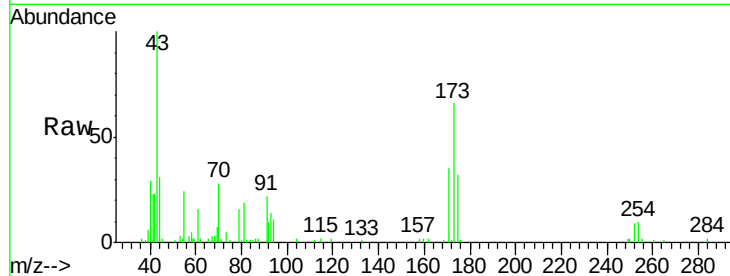
#71
Bromoform
Concen: 4.60 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	4583		
175	48.7	23.1	69.3	
254	15.4	8.7	13.1	

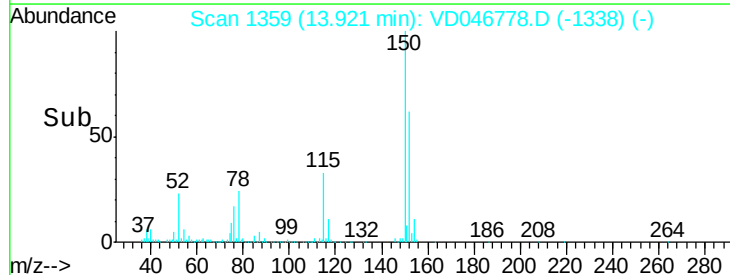
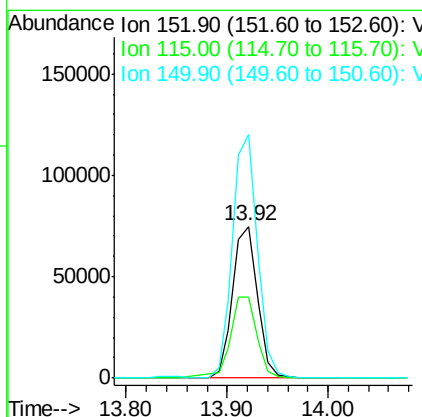
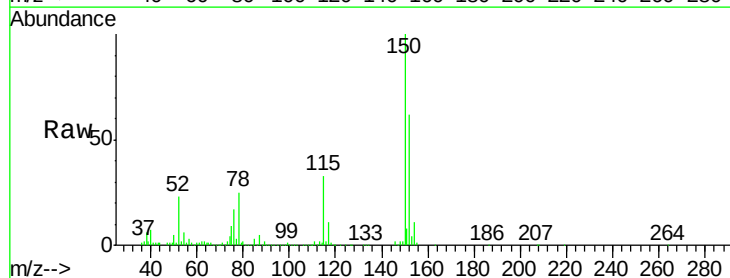
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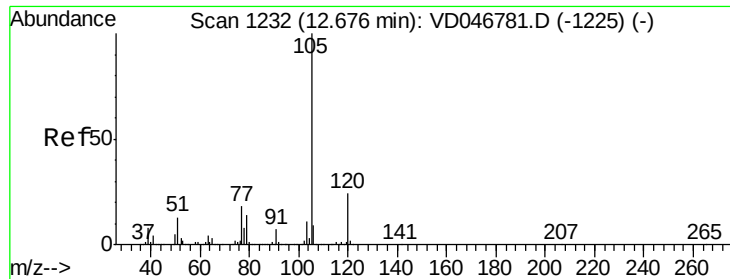
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	128472		
115	53.0	26.2	78.6	
150	160.3	0.0	311.8	





#73

Isopropylbenzene

Concen: 4.00 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 36268

Ion Ratio Lower Upper

105 100

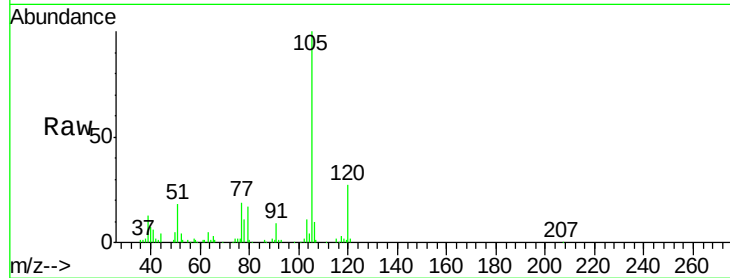
120 26.7 12.4 37.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

25000

20000

15000

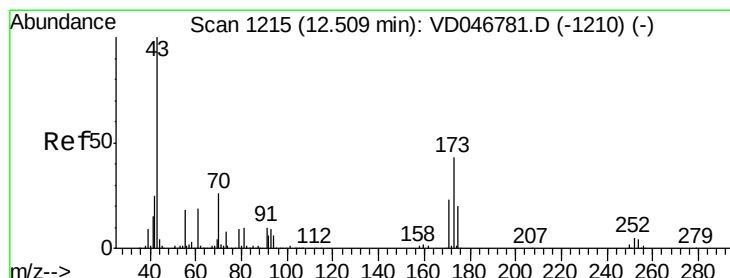
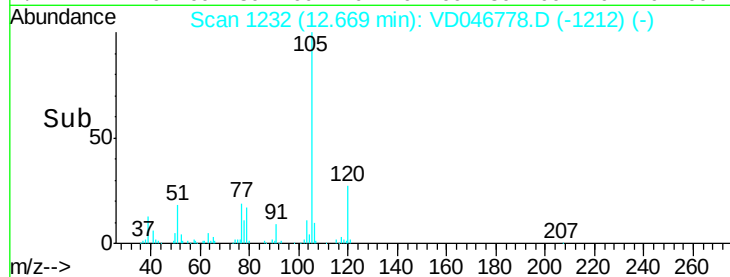
10000

5000

0

12.60 12.67 12.70 12.80

Time-->



#74

N-ethyl acetate

Concen: 7.49 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion: 43 Resp: 6979

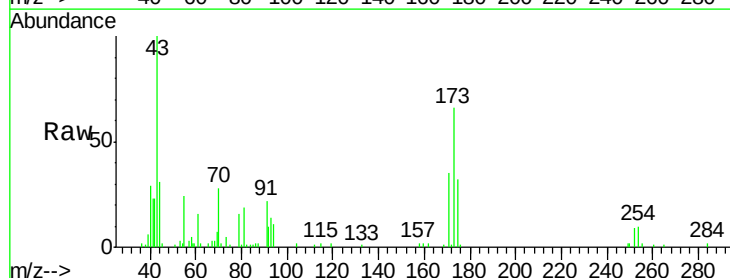
Ion Ratio Lower Upper

43 100

70 27.6 22.1 33.1

55 23.8 14.5 21.7#

61 16.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

6000

5000

4000

3000

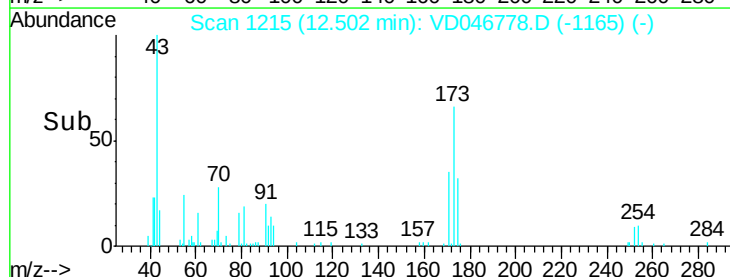
2000

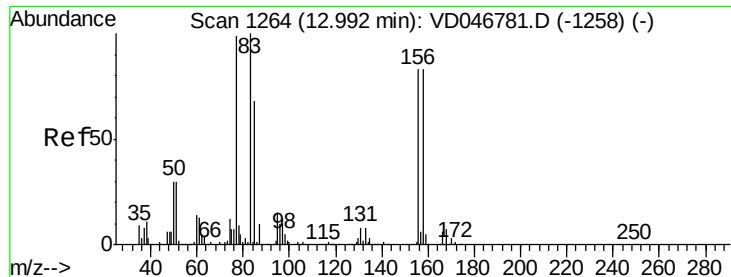
1000

0

12.50 12.55 12.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.03 ug/l

RT: 12.98 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

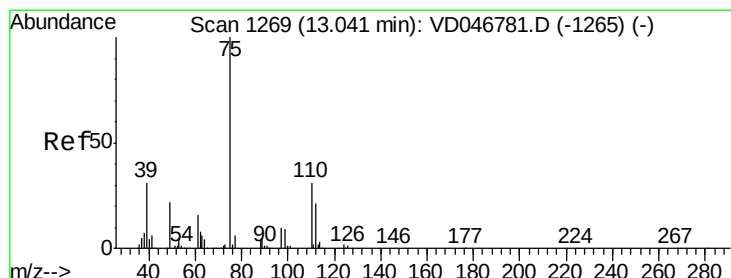
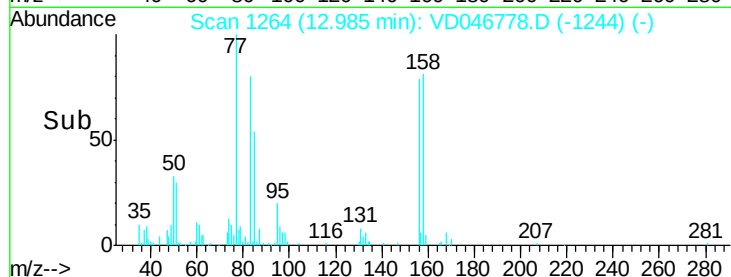
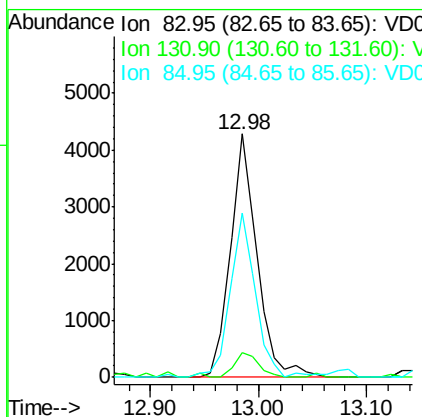
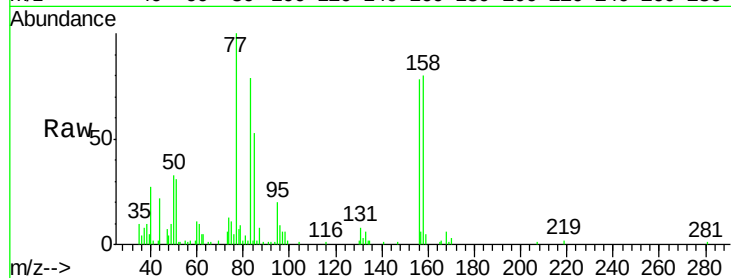
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	7356
Ion Ratio	Lower	Upper	
83	100		
131	10.2	3.9	11.7
85	67.5	30.5	91.5

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#76

1,2,3-Trichloropropane

Concen: 4.78 ug/l

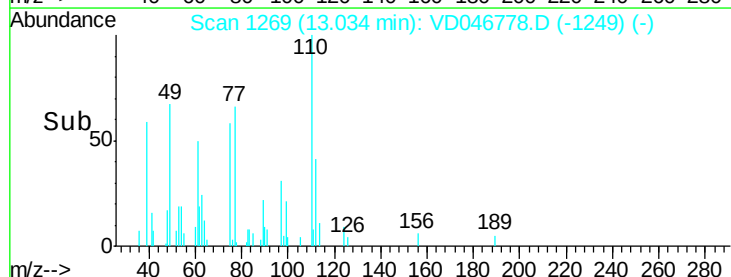
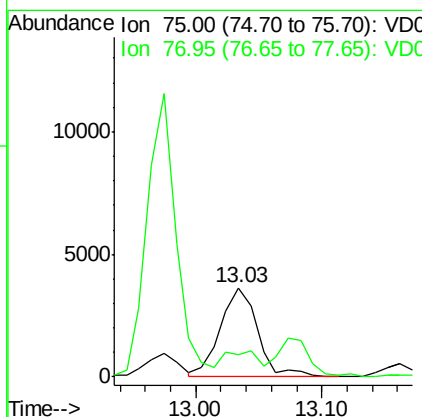
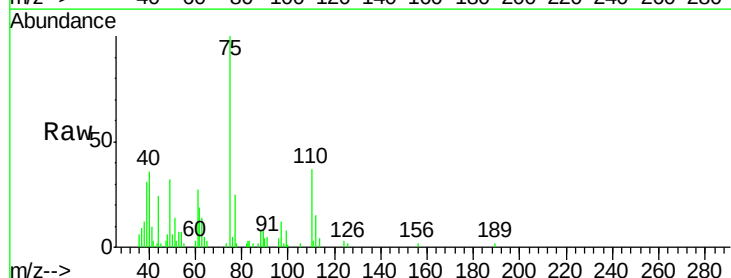
RT: 13.03 min Scan# 1269

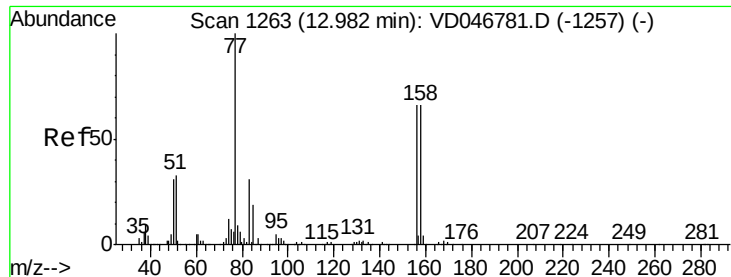
Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion:	75	Resp:	7478
Ion Ratio	Lower	Upper	
75	100		
77	24.8	16.0	48.0





#77

Bromobenzene

Concen: 4.63 ug/l

RT: 12.97 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

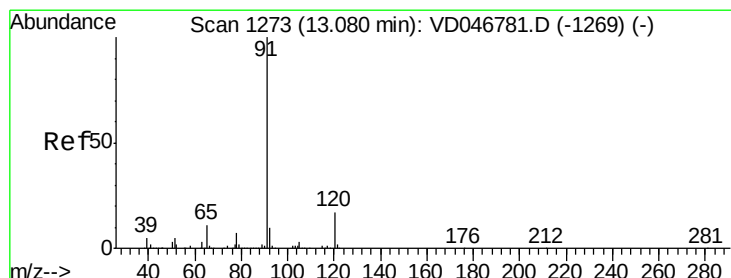
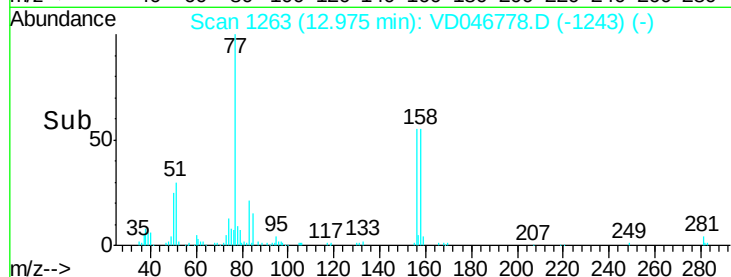
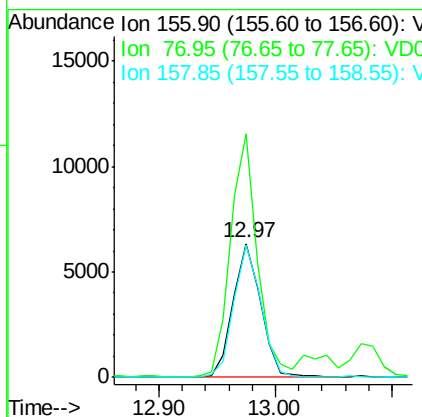
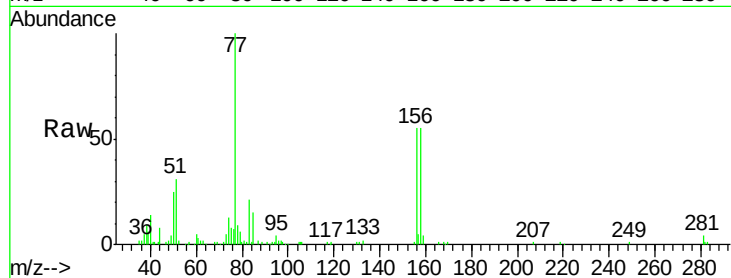
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.5	70.3	210.8
158	99.1	49.0	147.0

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#78

n-propylbenzene

Concen: 4.31 ug/l

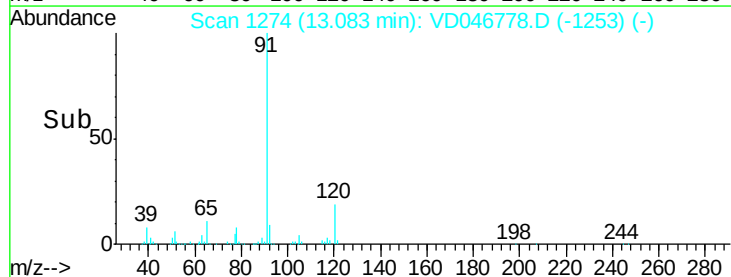
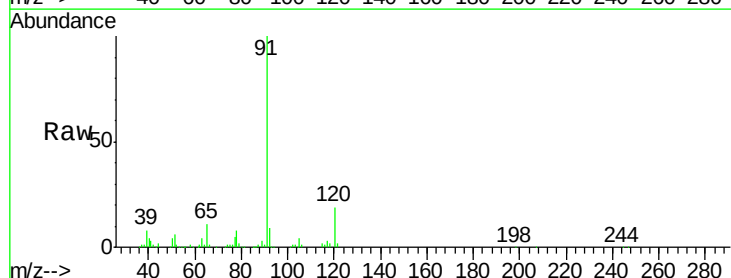
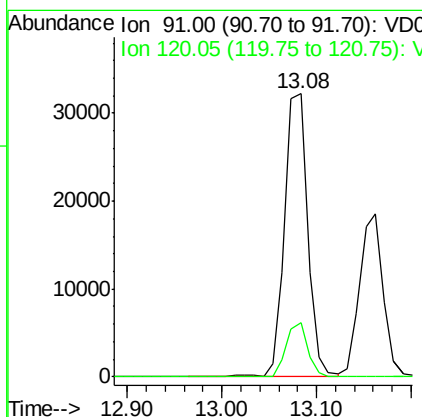
RT: 13.08 min Scan# 1274

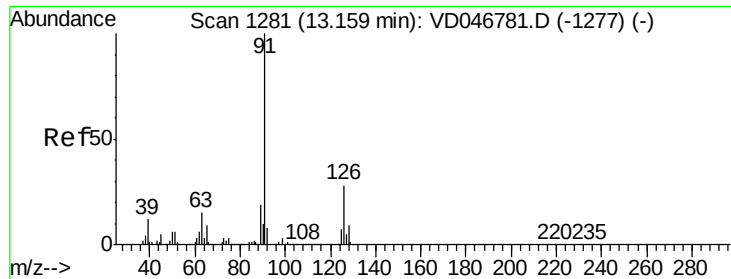
Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.4	9.3	27.7





#79

2-Chlorotoluene

Concen: 4.49 ug/l

RT: 13.16 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 31859

Ion Ratio Lower Upper

91 100

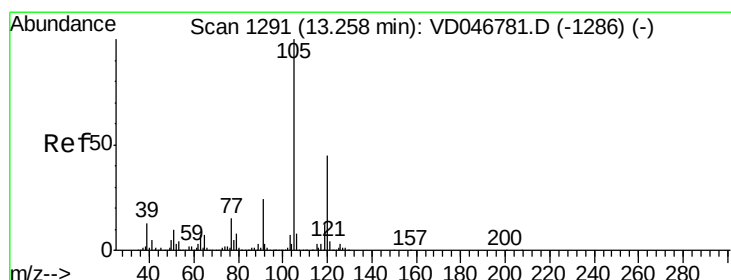
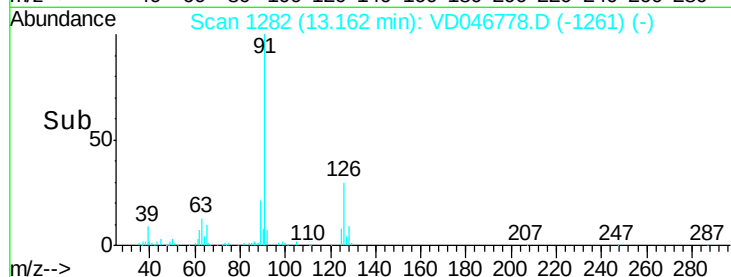
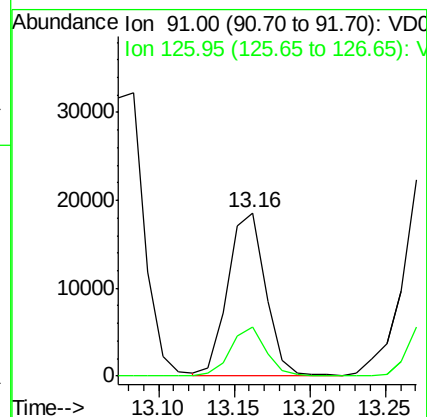
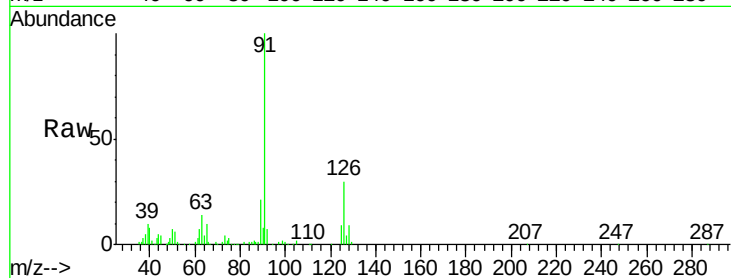
126 29.8 14.1 42.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 4.28 ug/l

RT: 13.25 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VD046778.D

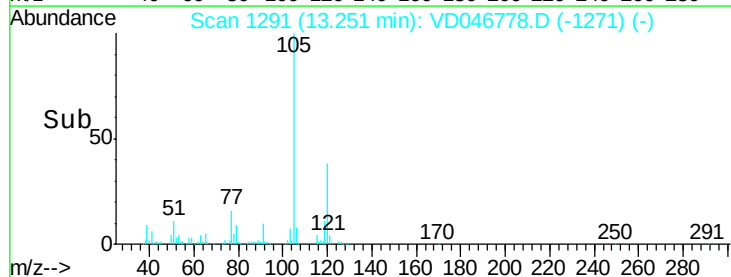
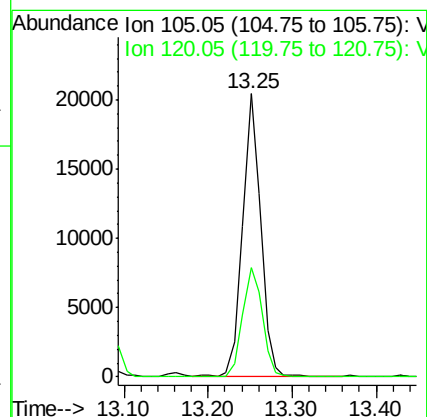
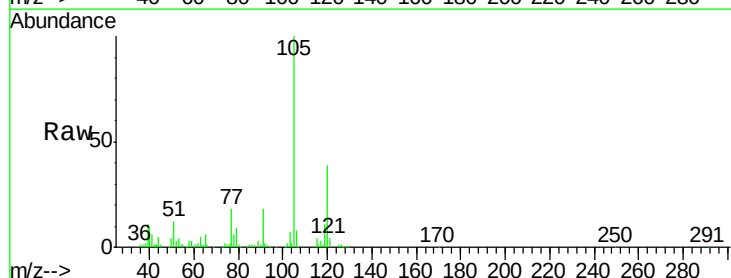
Acq: 18 Sep 2015 11:30

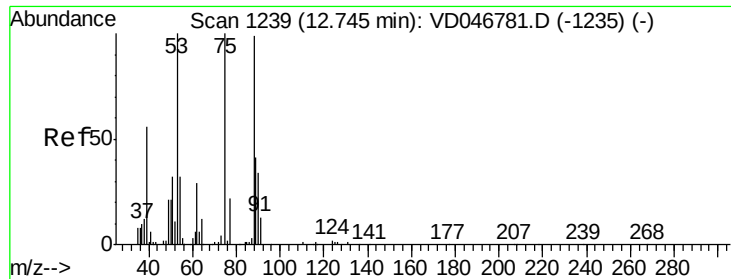
Tgt Ion: 105 Resp: 30908

Ion Ratio Lower Upper

105 100

120 38.6 22.3 66.8





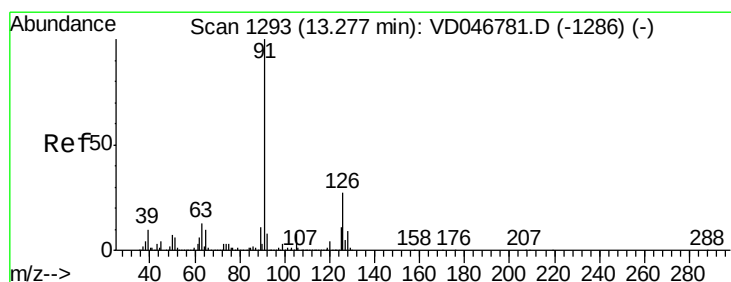
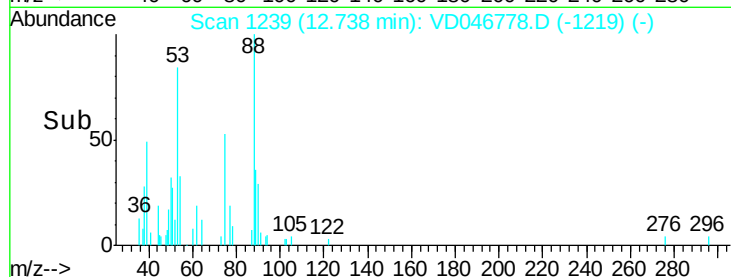
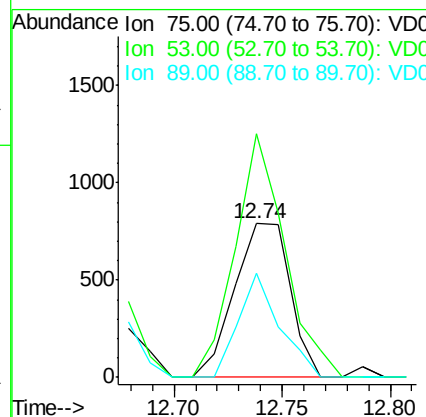
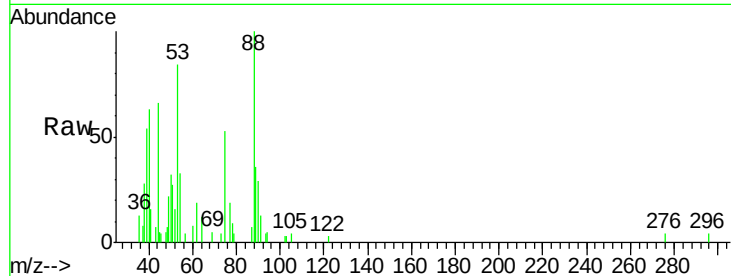
#81
trans-1,4-Dichloro-2-butene
Concen: 6.80 ug/l
RT: 12.74 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	158.7	82.3	123.5#
89	67.7	36.6	54.8#

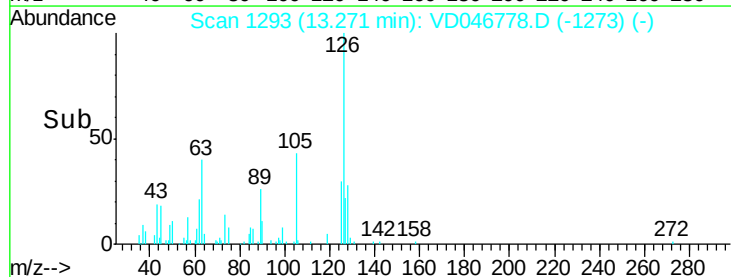
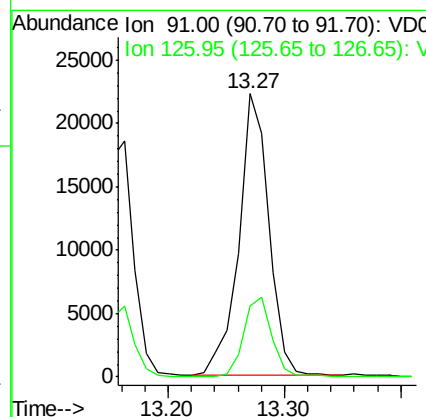
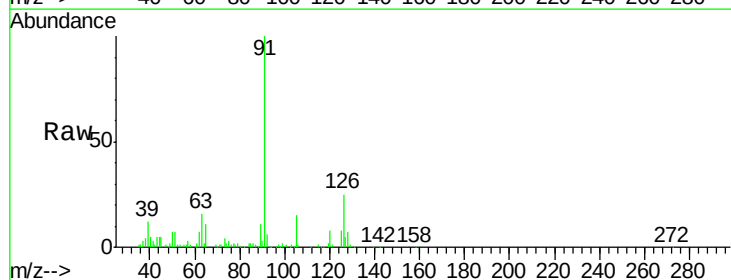
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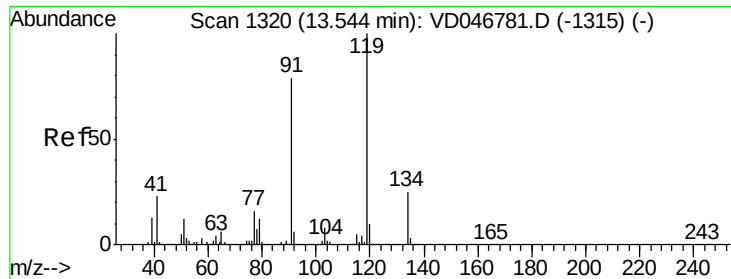
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#82
4-Chlorotoluene
Concen: 4.70 ug/l
RT: 13.27 min Scan# 1293
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	25.2	14.1	42.4





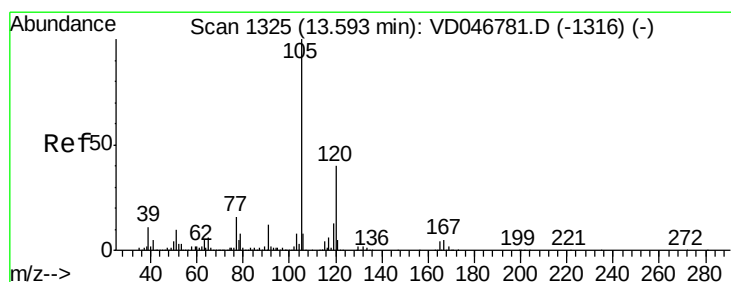
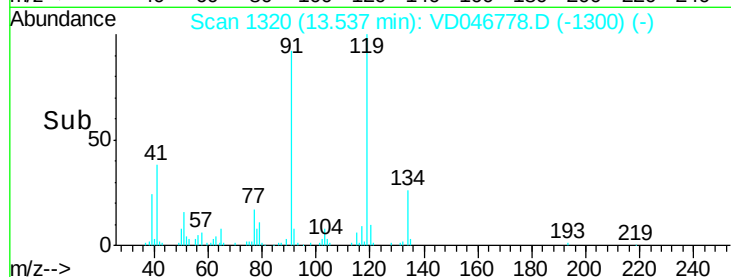
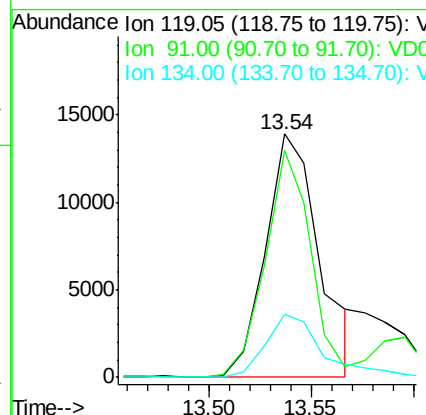
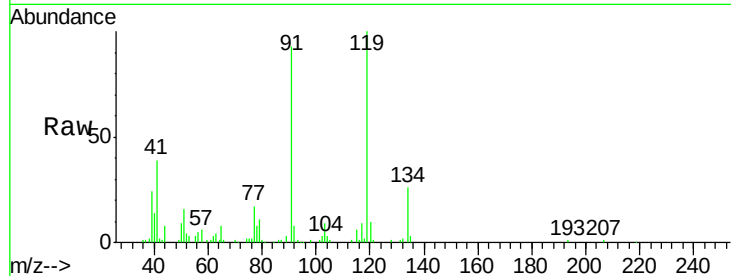
#83
 tert-Butylbenzene
 Concen: 3.81 ug/l m
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	93.0	41.6	124.9
134	25.7	12.4	37.4

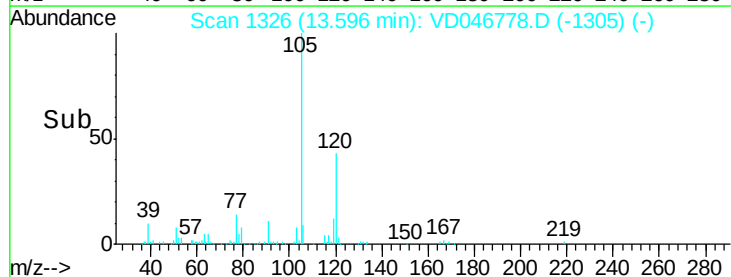
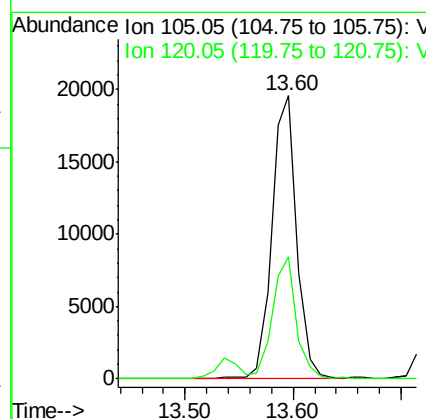
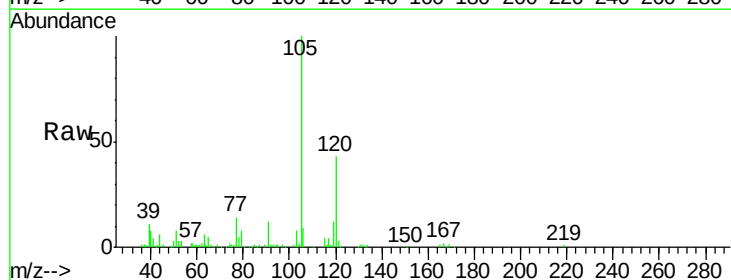
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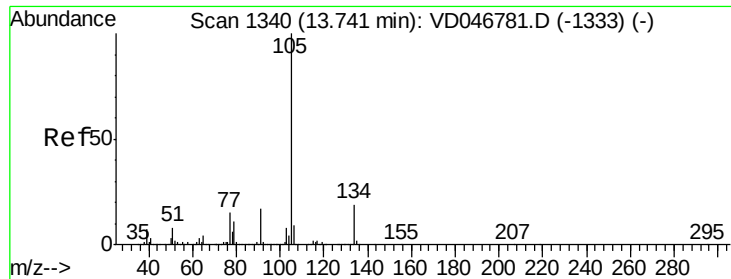
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.34 ug/l
 RT: 13.60 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.1	63.1





#85

sec-Butylbenzene

Concen: 4.30 ug/l

RT: 13.73 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 41128

Ion Ratio Lower Upper

105 100

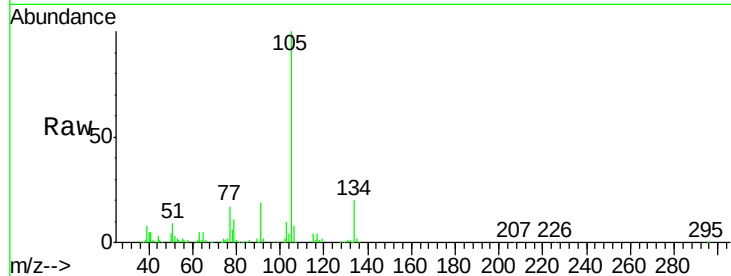
134 19.5 10.1 30.3

Manual Integrations

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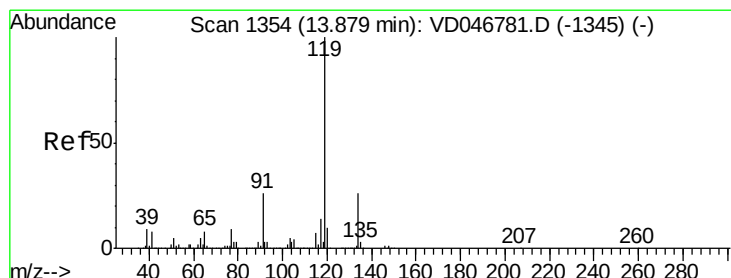
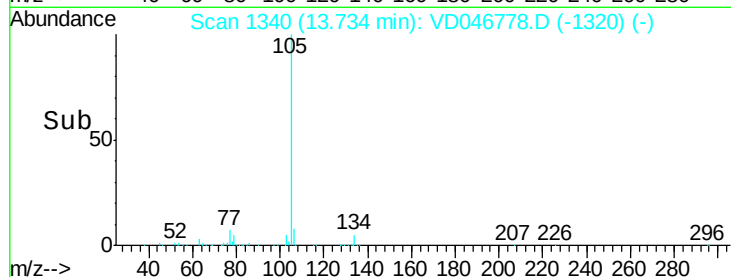
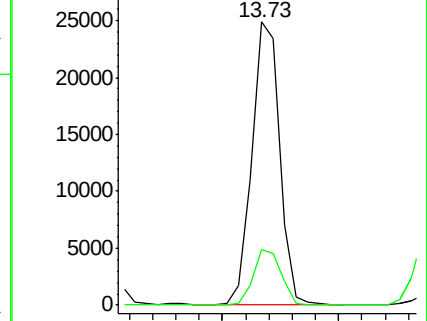
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 4.25 ug/l

RT: 13.87 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

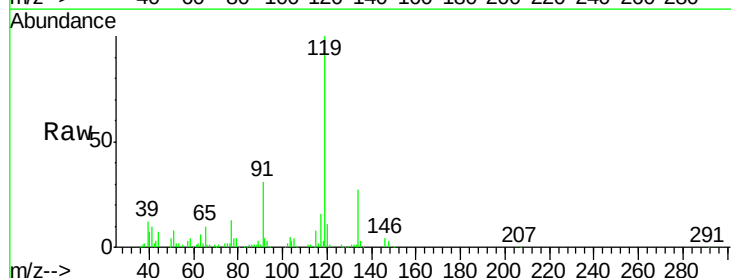
Tgt Ion:119 Resp: 31916

Ion Ratio Lower Upper

119 100

134 27.4 13.0 38.9

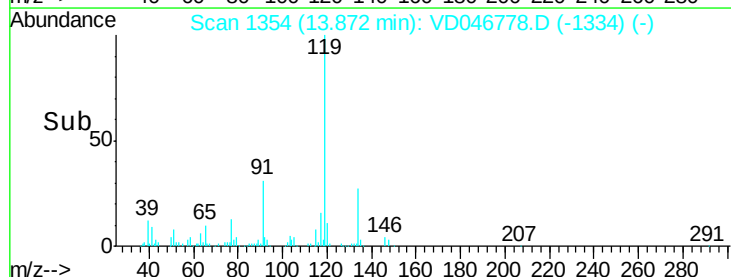
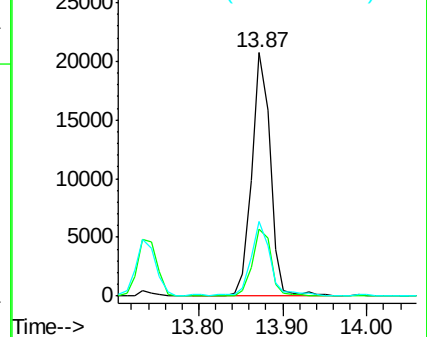
91 30.9 13.8 41.3

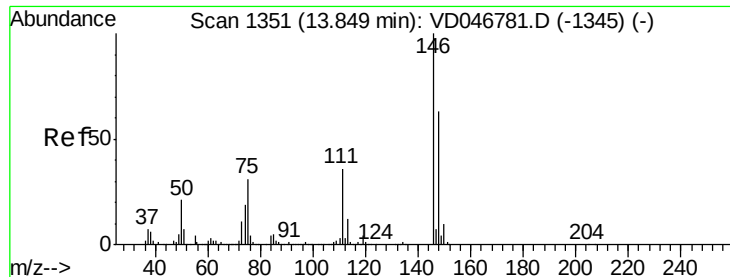


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





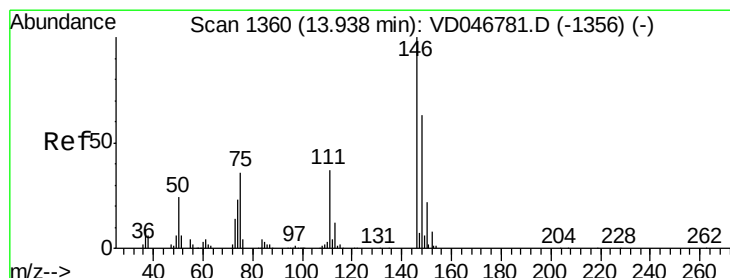
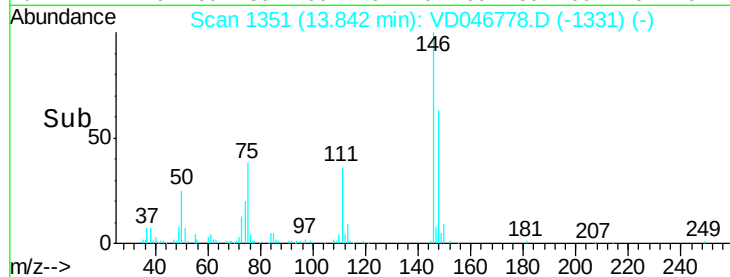
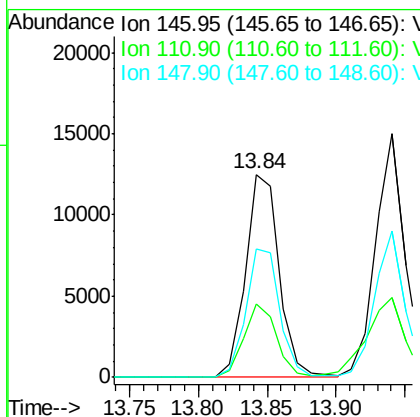
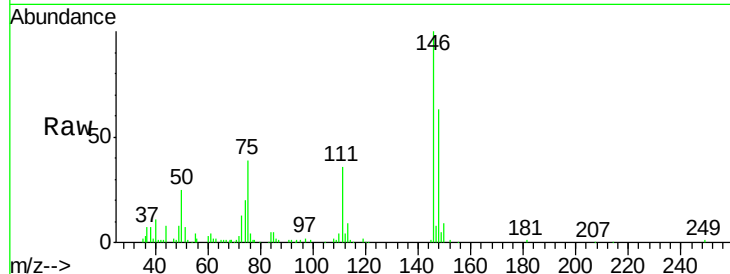
#87
 1,3-Dichlorobenzene
 Concen: 5.03 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.4	52.2
148	63.2	33.0	99.0

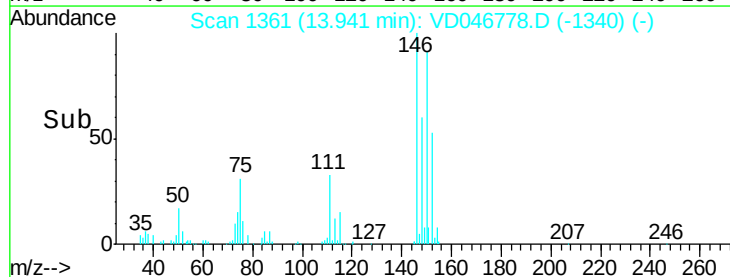
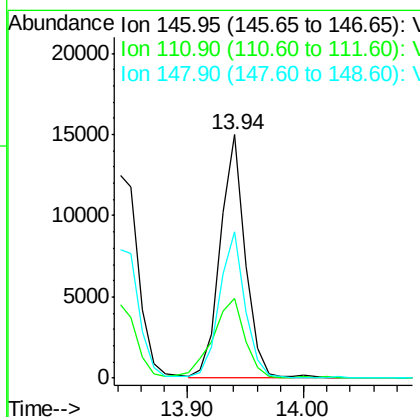
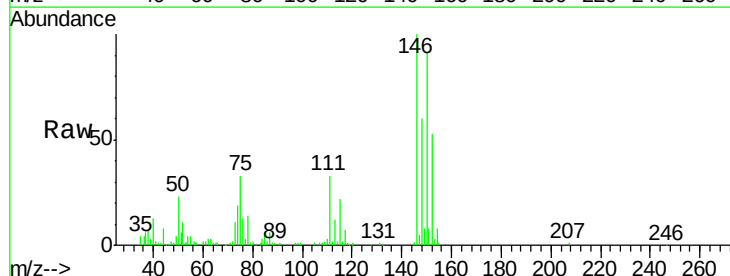
Manual Integrations
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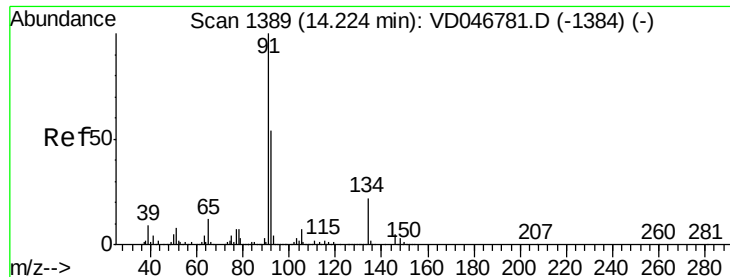
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#88
 1,4-Dichlorobenzene
 Concen: 5.30 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.8	17.0	51.0
148	60.0	31.9	95.7





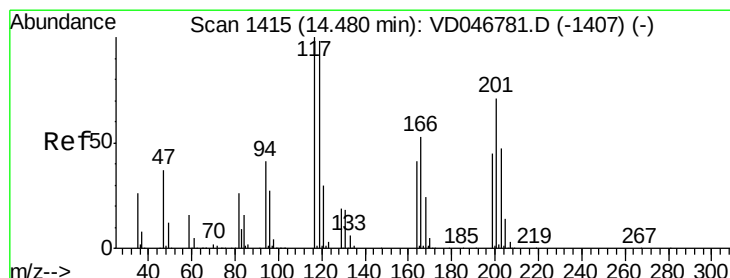
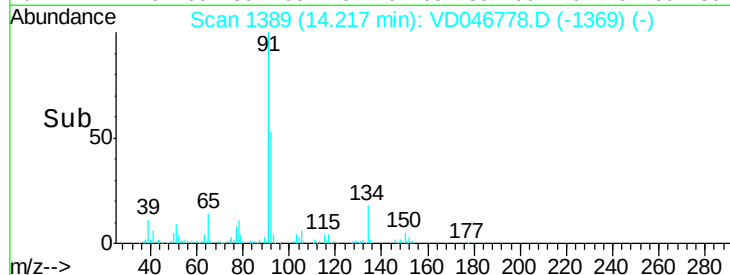
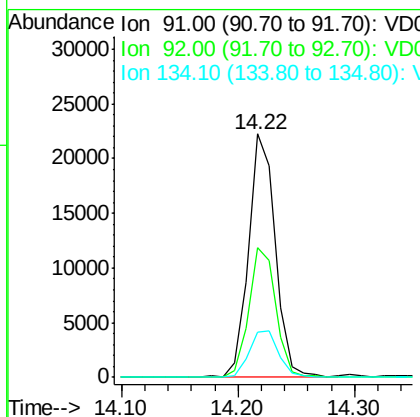
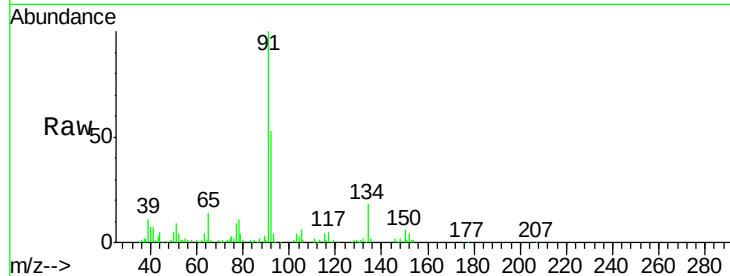
#89
n-Butylbenzene
Concen: 4.17 ug/l
RT: 14.22 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.1	81.2
134	18.3	9.6	28.6

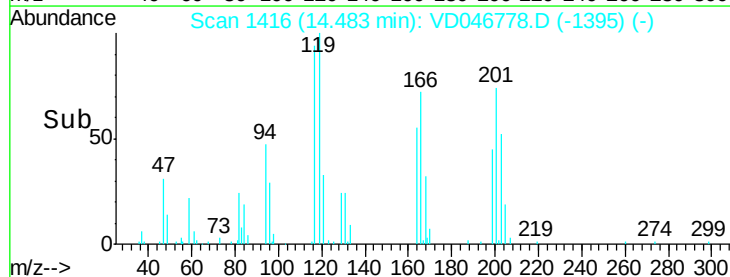
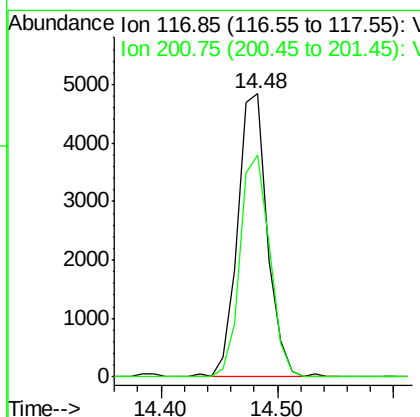
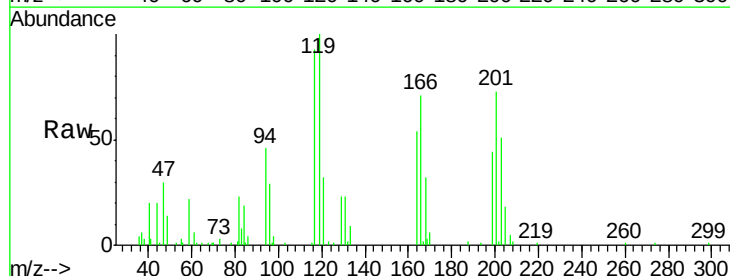
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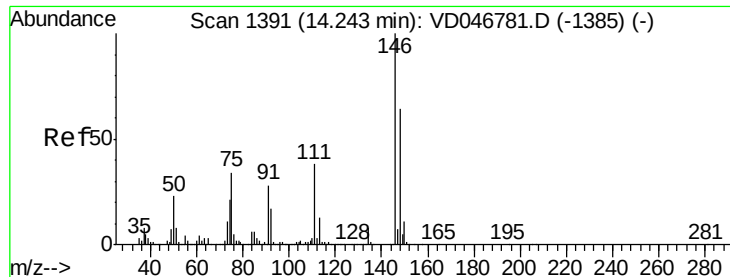
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#90
Hexachloroethane
Concen: 4.93 ug/l
RT: 14.48 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	41.0	123.0





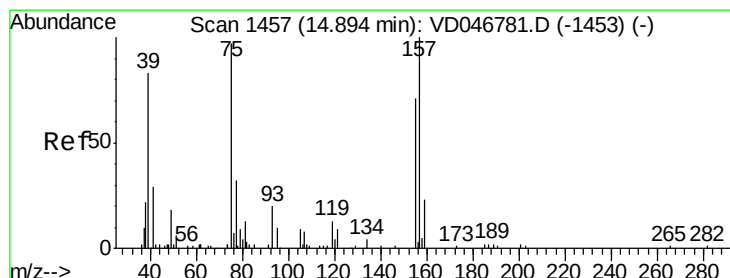
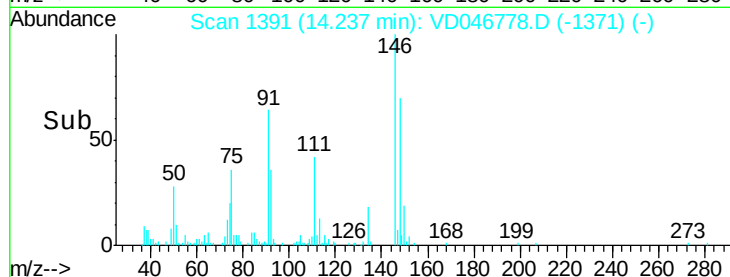
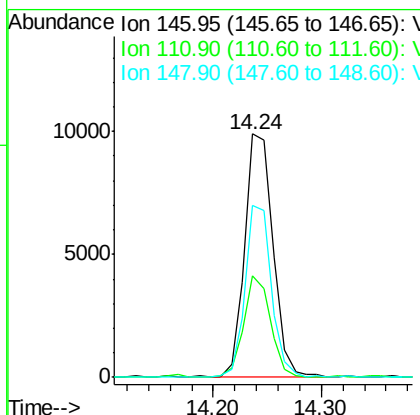
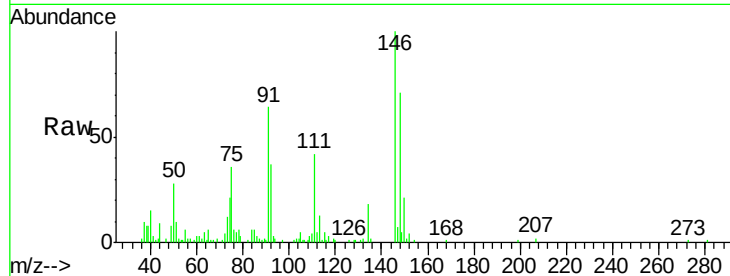
#91
 1,2-Dichlorobenzene
 Concen: 5.06 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	18048		
111	41.8	18.2	54.6	
148	70.8	31.1	93.3	

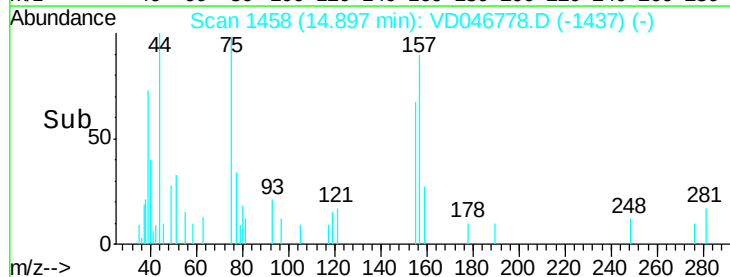
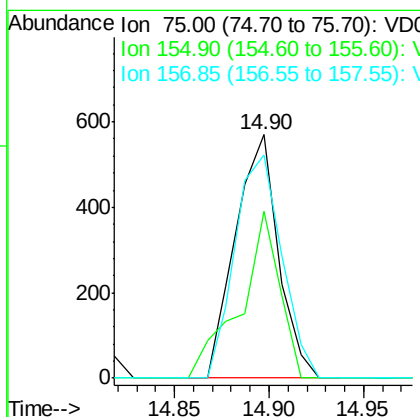
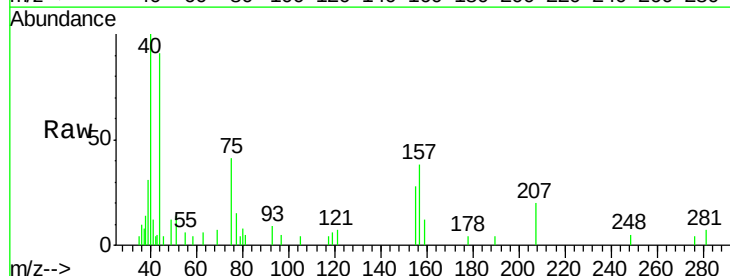
Manual Integrations
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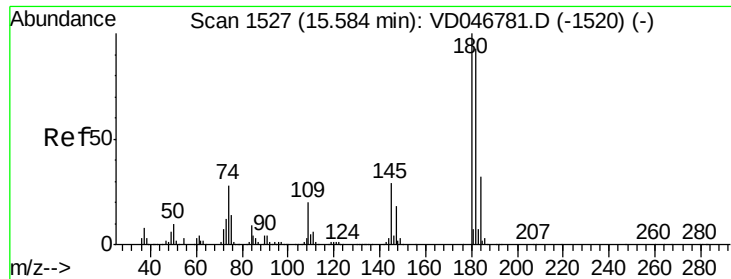
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.19 ug/l
 RT: 14.90 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	895		
155	68.8	41.4	124.4	
157	91.6	65.0	195.1	





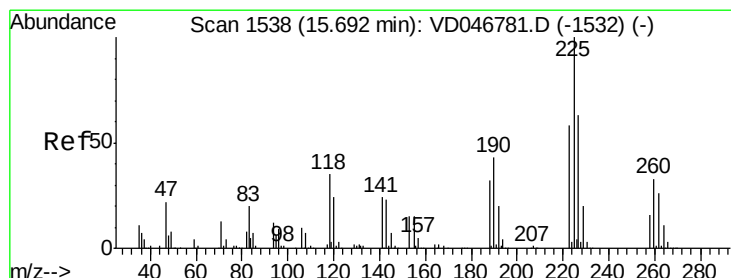
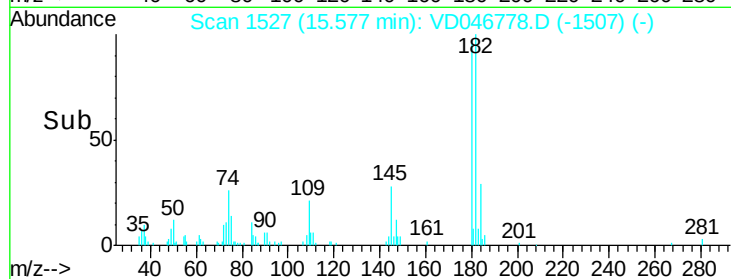
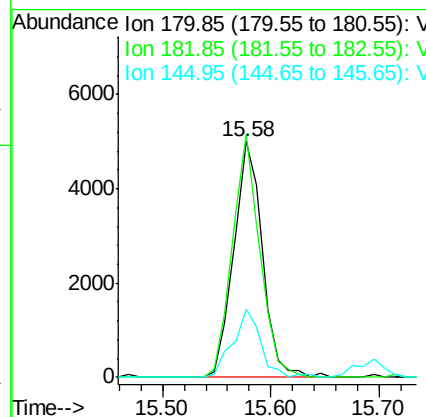
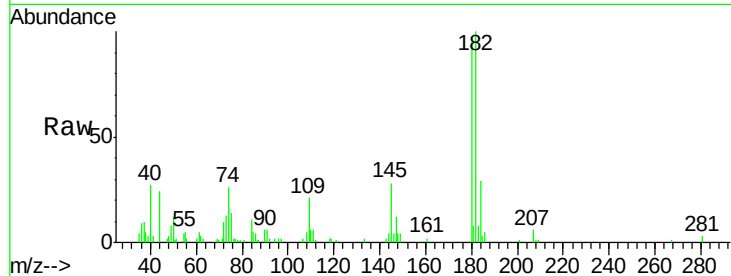
#93
 1,2,4-Trichlorobenzene
 Concen: 4.50 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	9245		
182	103.3	47.5	142.5	
145	28.7	14.6	44.0	

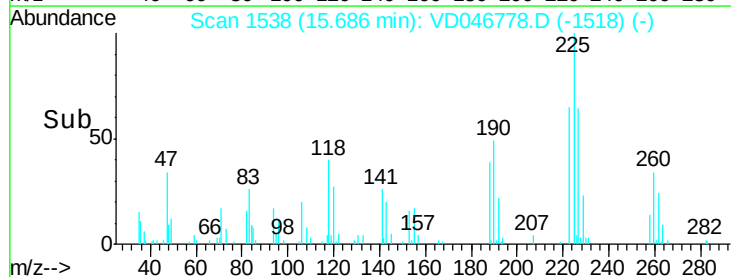
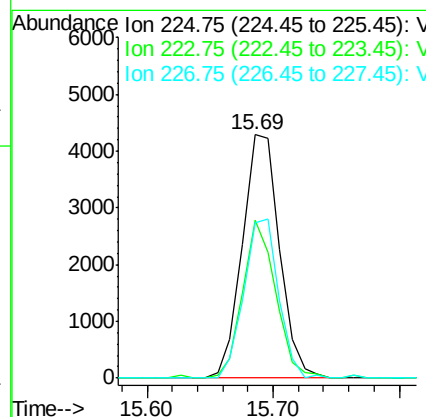
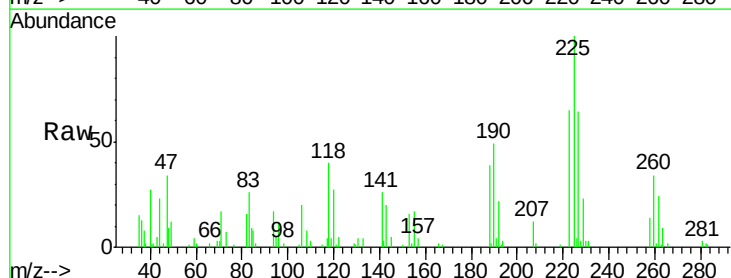
Manual Integrations
 APPROVED

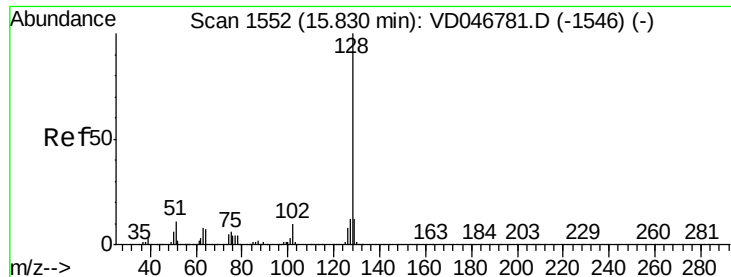
MMDadoda
 9/21/2015 11:38:24 AM



#94
 Hexachlorobutadiene
 Concen: 5.18 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	8761		
223	64.8	30.4	91.2	
227	63.6	31.3	93.9	





#95

Naphthalene

Concen: 5.52 ug/l

RT: 15.82 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

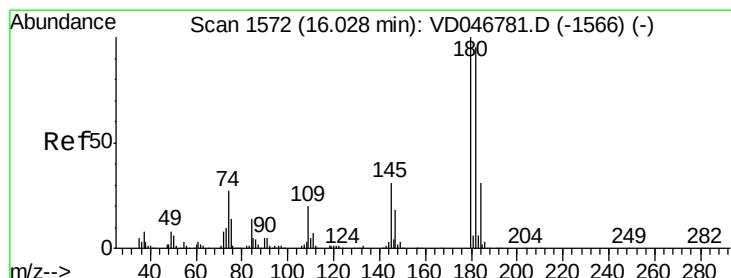
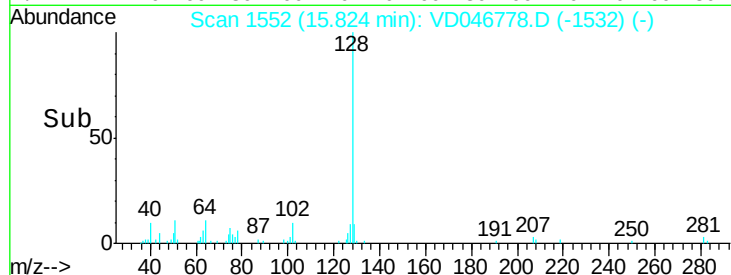
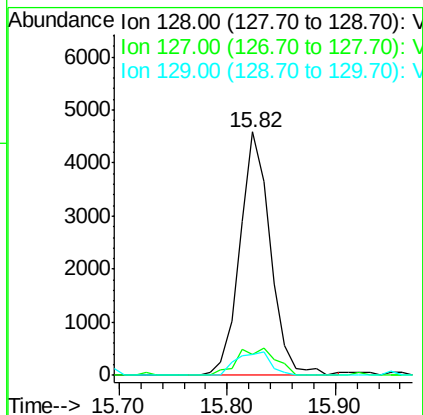
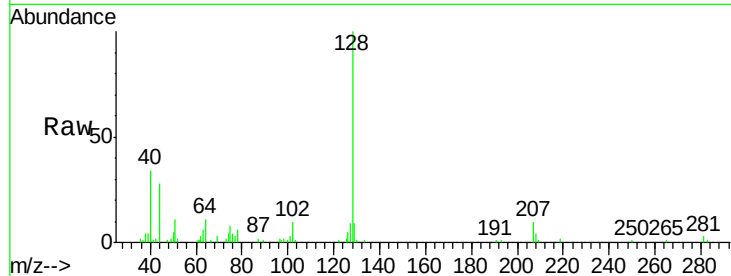
ClientSampleId :

VSTDIC005

Tgt Ion:	128	Resp:	8964
Ion Ratio	Lower	Upper	
128	100		
127	8.8	9.8	14.6#
129	8.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/21/2015 11:38:24 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.57 ug/l

RT: 16.02 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion:	180	Resp:	7848
Ion Ratio	Lower	Upper	
180	100		
182	87.5	47.4	142.3
145	33.4	15.4	46.4

