

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081518\
 Data File : VD059786.D
 Acq On : 15 Aug 2018 1:47
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/15/2018 4:19:55 PM

Quant Time: Aug 15 11:54:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:11:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	278293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	386851	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	312397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	169798	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	361223	85.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.68%	
35) Dibromofluoromethane	5.54	113	332865	85.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	171.82%	
50) Toluene-d8	8.70	98	779821	98.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.86%	
62) 4-Bromofluorobenzene	11.93	95	328921	85.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	170.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.33	85	330614	82.45	ug/l	99
3) Chloromethane	1.48	50	192881	119.87	ug/l	98
4) Vinyl Chloride	1.55	62	217622	110.05	ug/l	97
5) Bromomethane	1.78	94	45746	56.07	ug/l	94
6) Chloroethane	1.87	64	65235	66.41	ug/l	97
7) Trichlorofluoromethane	2.07	101	282542	69.38	ug/l	100
8) Diethyl Ether	2.34	74	64463	97.11	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.54	101	170527	80.86	ug/l	96
10) Methyl Iodide	2.68	142	219817	96.43	ug/l	96
11) Tert butyl alcohol	3.26	59	62552m	423.75	ug/l	
12) 1,1-Dichloroethene	2.53	96	130184	86.00	ug/l	93
13) Acrolein	2.47	56	61889	644.68	ug/l	87
14) Allyl chloride	2.92	41	328983	97.15	ug/l	93
15) Acrylonitrile	3.35	53	232162	609.71	ug/l	95
16) Acetone	2.60	43	317220	474.87	ug/l	96
17) Carbon Disulfide	2.75	76	475395	94.38	ug/l	98
18) Methyl Acetate	2.93	43	119138	87.62	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	590121	97.17	ug/l	100
20) Methylene Chloride	3.07	84	150735	76.03	ug/l	95
21) trans-1,2-Dichloroethene	3.38	96	239363	115.17	ug/l	99
22) Diisopropyl ether	4.07	45	851790	124.14	ug/l	99
23) Vinyl Acetate	4.01	43	2452871	548.61	ug/l	98
24) 1,1-Dichloroethane	3.97	63	504049	103.64	ug/l	100
25) 2-Butanone	4.84	43	495443	640.38	ug/l	100
26) 2,2-Dichloropropane	4.80	77	450309	82.38	ug/l	97
27) cis-1,2-Dichloroethene	4.80	96	264185	107.52	ug/l	96
28) Bromochloromethane	5.14	49	201826	113.94	ug/l	95
29) Tetrahydrofuran	5.18	42	202013	684.81	ug/l	98
30) Chloroform	5.32	83	590414	93.63	ug/l	97
31) Cyclohexane	5.58	56	339227	116.64	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	535378	84.03	ug/l	99
36) 1,1-Dichloropropene	5.74	75	366561	84.06	ug/l	96
37) Ethyl Acetate	4.92	43	206764	106.63	ug/l	98
38) Carbon Tetrachloride	5.72	117	457565	69.02	ug/l	99

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 QLast Update : Wed Aug 15 08:11:18 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	335847	100.53	ug/l	94
40) Benzene	6.01	78	796216	100.76	ug/l	99
41) Methacrylonitrile	5.12	41	107472	113.85	ug/l	97
42) 1,2-Dichloroethane	6.12	62	456703	78.33	ug/l	97
43) Isopropyl Acetate	7.61	43	270911	110.01	ug/l #	94
44) Trichloroethene	6.97	130	276965	90.27	ug/l	94
45) 1,2-Dichloropropane	7.34	63	225133	110.46	ug/l	99
46) Dibromomethane	7.45	93	183071	90.02	ug/l	90
47) Bromodichloromethane	7.74	83	438282	82.30	ug/l	97
48) Methyl methacrylate	7.50	41	178005	100.74	ug/l	98
49) 1,4-Dioxane	7.49	88	34131	2712.52	ug/l	87
51) 4-Methyl-2-Pentanone	8.59	43	1035785	546.71	ug/l	98
52) Toluene	8.80	92	513674	100.94	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	370025	86.08	ug/l	96
54) cis-1,3-Dichloropropene	8.36	75	404255	94.64	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	187406	94.92	ug/l	94
56) Ethyl methacrylate	9.31	69	228404	101.51	ug/l	97
57) 1,3-Dichloropropane	9.67	76	299685	92.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.19	63	505783	489.57	ug/l	97
59) 2-Hexanone	9.78	43	777421	557.37	ug/l	99
60) Dibromochloromethane	9.96	129	302600	83.26	ug/l	97
61) 1,2-Dibromoethane	10.09	107	220621	91.79	ug/l	99
64) Tetrachloroethene	9.51	164	269513	90.24	ug/l	96
65) Chlorobenzene	10.72	112	607541	96.10	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.85	131	245265	79.46	ug/l	98
67) Ethyl Benzene	10.86	91	1008522	86.32	ug/l	96
68) m/p-Xylenes	11.01	106	721033	188.42	ug/l	90
69) o-Xylene	11.41	106	343852	93.00	ug/l	86
70) Styrene	11.43	104	596843	97.40	ug/l	97
71) Bromoform	11.59	173	210017	91.09	ug/l #	95
73) Isopropylbenzene	11.77	105	1053421	92.31	ug/l	100
74) N-amyl acetate	11.64	43	360908	109.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	214185	101.34	ug/l	98
76) 1,2,3-Trichloropropane	12.12	75	239254	97.64	ug/l	98
77) Bromobenzene	12.04	156	292531	87.71	ug/l	80
78) n-propylbenzene	12.15	91	1231596	88.53	ug/l	99
79) 2-Chlorotoluene	12.21	91	777506	88.49	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	789007	80.58	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.84	75	66453	117.15	ug/l	90
82) 4-Chlorotoluene	12.32	91	789736	77.10	ug/l	96
83) tert-Butylbenzene	12.58	119	917296	85.84	ug/l	92
84) 1,2,4-Trimethylbenzene	12.63	105	883789	87.35	ug/l	99
85) sec-Butylbenzene	12.76	105	1062482	92.60	ug/l	99
86) p-Isopropyltoluene	12.88	119	881589	85.99	ug/l	95
87) 1,3-Dichlorobenzene	12.84	146	531039	94.12	ug/l	98
88) 1,4-Dichlorobenzene	12.92	146	518623	91.19	ug/l	95
89) n-Butylbenzene	13.20	91	821906	80.34	ug/l	97
90) Hexachloroethane	13.39	117	244107	92.76	ug/l	76
91) 1,2-Dichlorobenzene	13.19	146	403871	83.57	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	43031	85.96	ug/l	83

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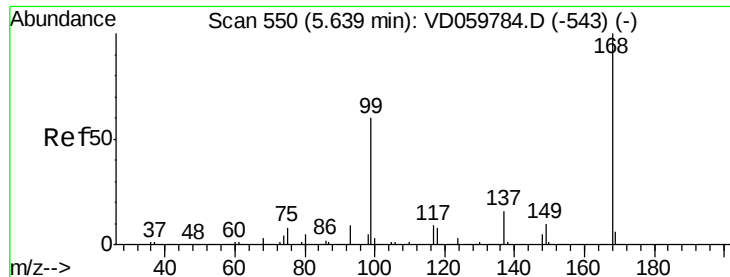
Manual Integrations
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8/15/2018 4:19:55 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081518S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	369392	82.27	ug/l	97
94) Hexachlorobutadiene	14.44	225	266363	72.42	ug/l	98
95) Naphthalene	14.52	128	591307	96.51	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	332982	86.85	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 278293

Ion Ratio Lower Upper

168 100

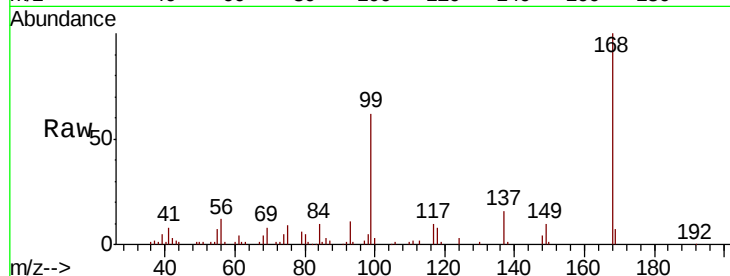
99 61.9 50.3 75.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

120000

100000

80000

60000

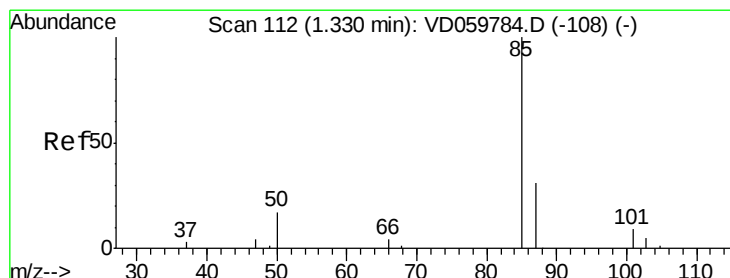
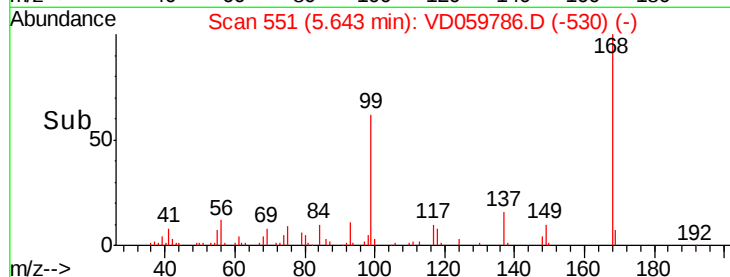
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 82.45 ug/l

RT: 1.33 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD059786.D

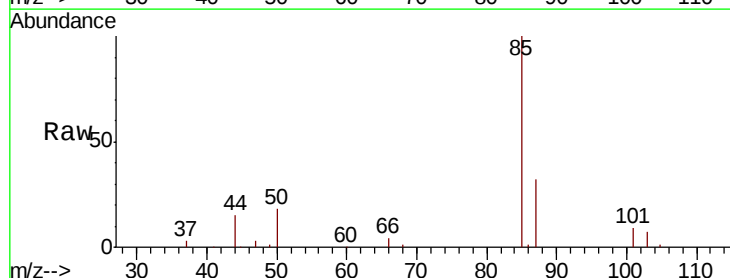
Acq: 15 Aug 2018 1:47

Tgt Ion: 85 Resp: 330614

Ion Ratio Lower Upper

85 100

87 31.8 15.7 47.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

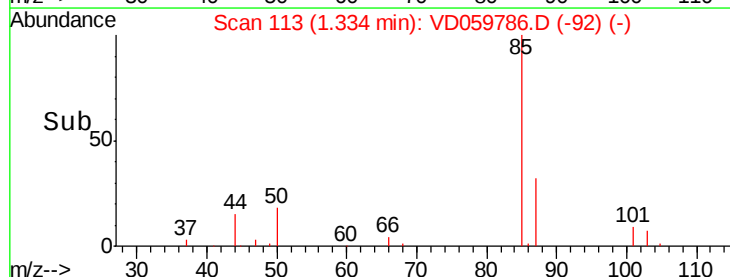
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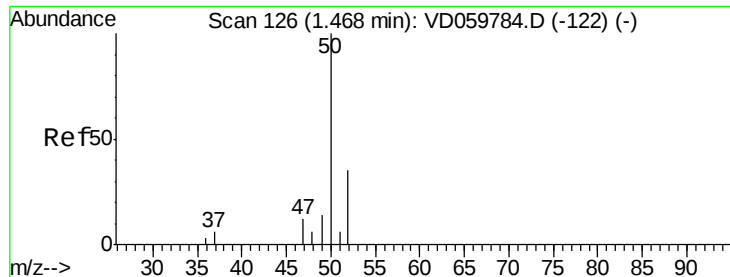
50000

0

1.30 1.40 1.50

Time-->





#3

Chloromethane

Concen: 119.87 ug/l

RT: 1.48 min Scan# 128

Delta R.T. 0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 192881

Ion Ratio Lower Upper

50 100

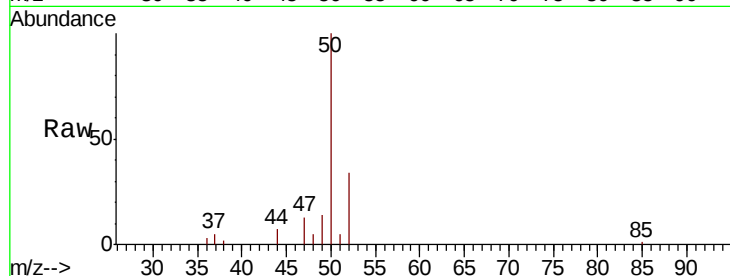
52 34.4 28.4 42.6

Manual Integrations

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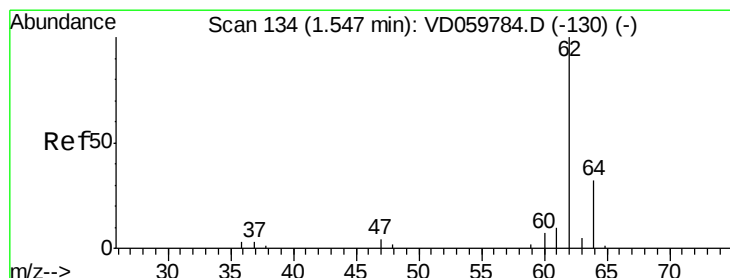
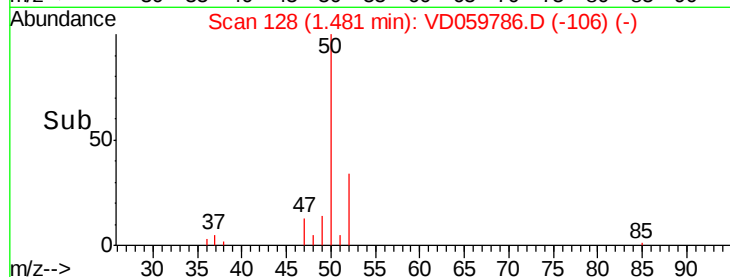
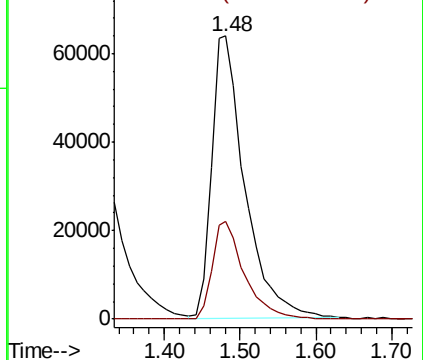
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 110.05 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD059786.D

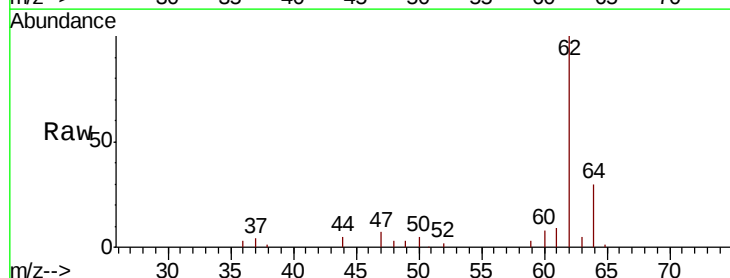
Acq: 15 Aug 2018 1:47

Tgt Ion: 62 Resp: 217622

Ion Ratio Lower Upper

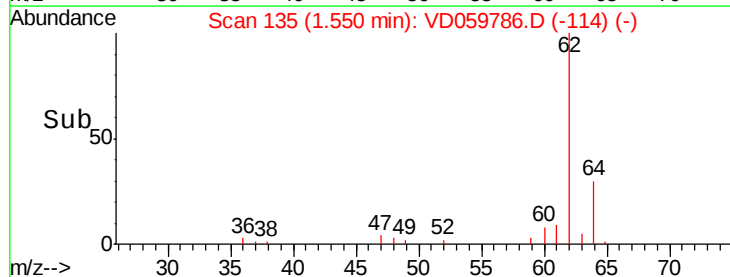
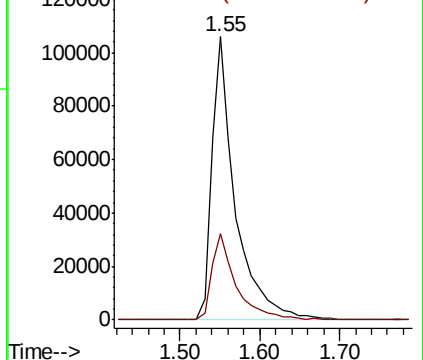
62 100

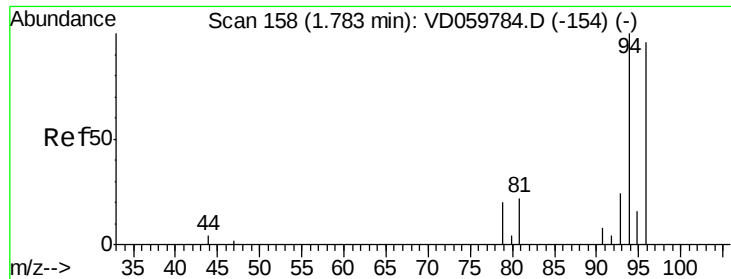
64 30.3 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 56.07 ug/l

RT: 1.78 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

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MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 45746

Ion Ratio Lower Upper

94 100

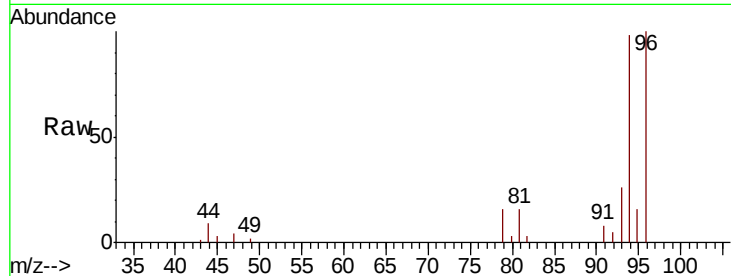
96 101.9 76.7 115.1

Manual Integrations

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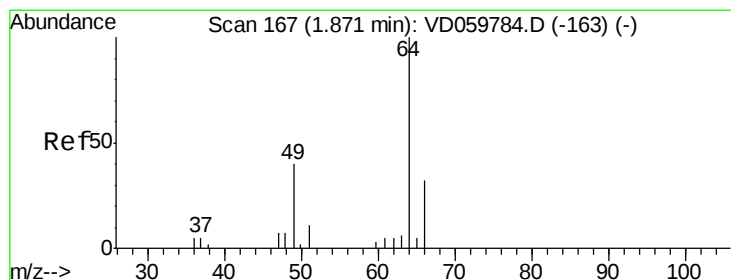
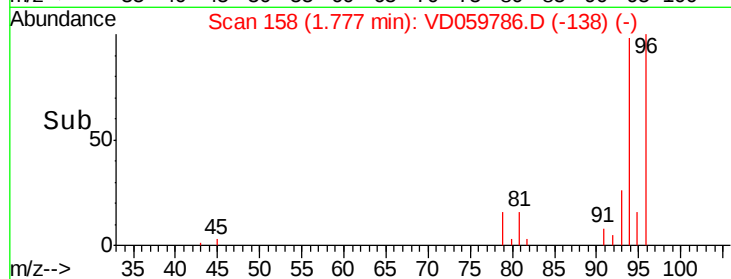
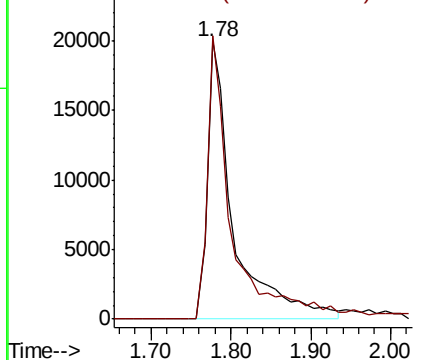
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 66.41 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.01 min

Lab File: VD059786.D

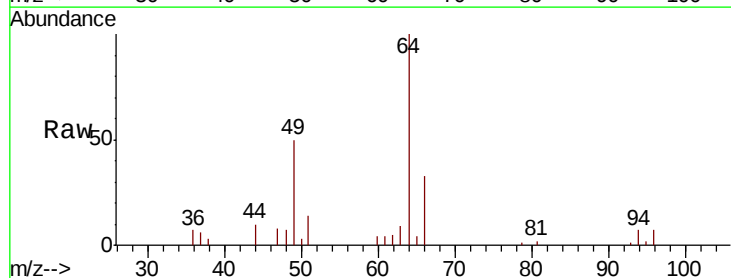
Acq: 15 Aug 2018 1:47

Tgt Ion: 64 Resp: 65235

Ion Ratio Lower Upper

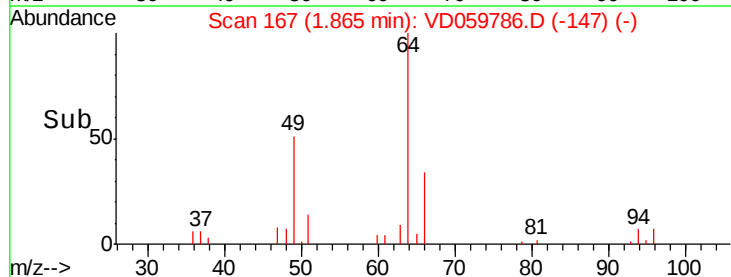
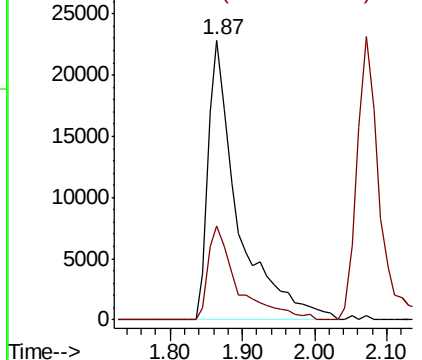
64 100

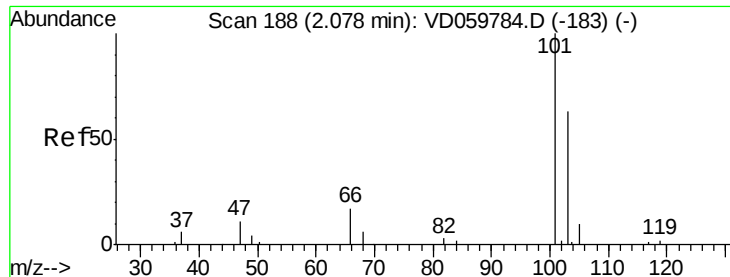
66 33.5 25.4 38.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

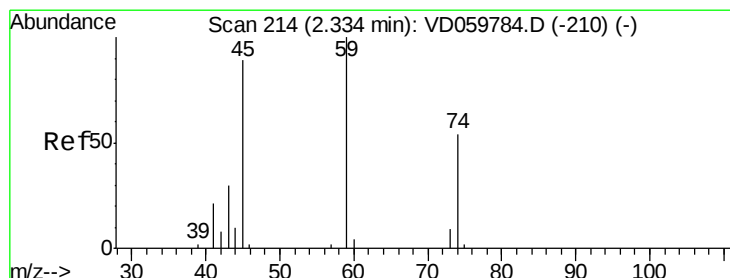
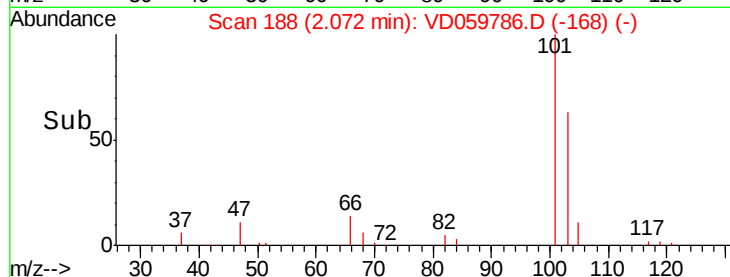
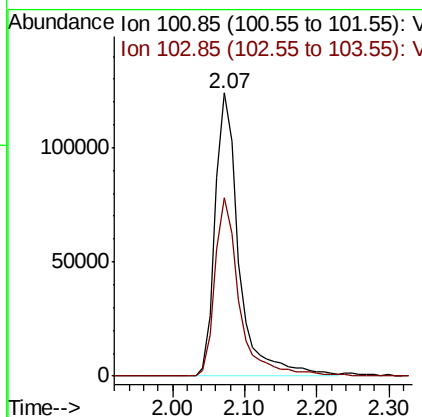
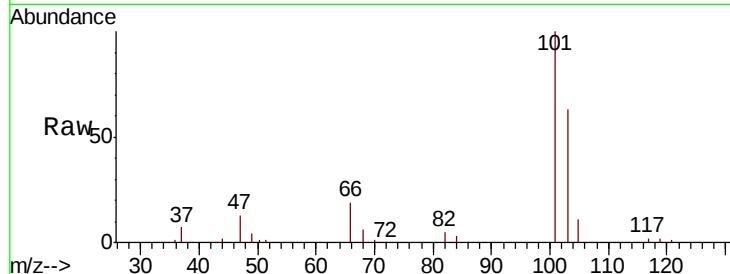
Trichlorofluoromethane
 Concen: 69.38 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.01 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	282542		
103	62.9	50.4	75.6	

Manual Integrations
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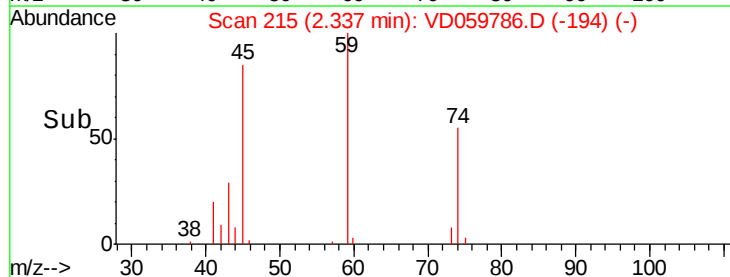
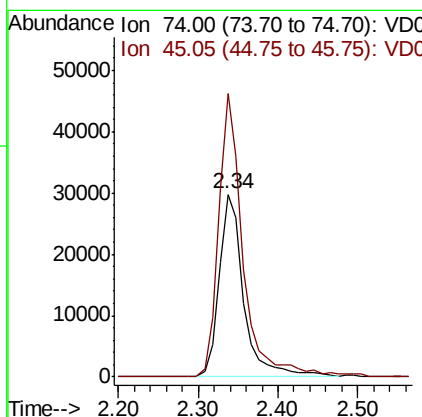
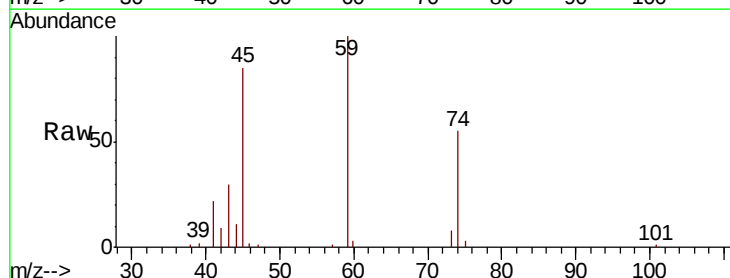
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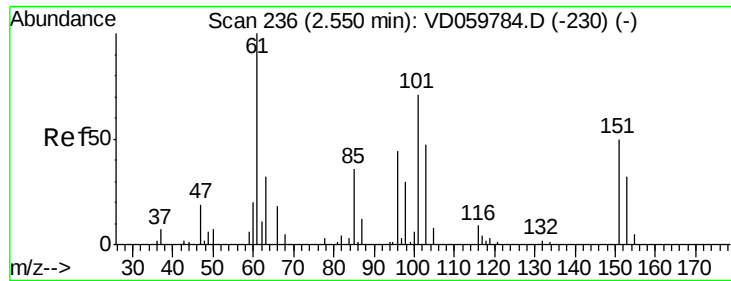


#8

Diethyl Ether
 Concen: 97.11 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	64463		
45	155.0	81.6	244.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 80.86 ug/l

RT: 2.54 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

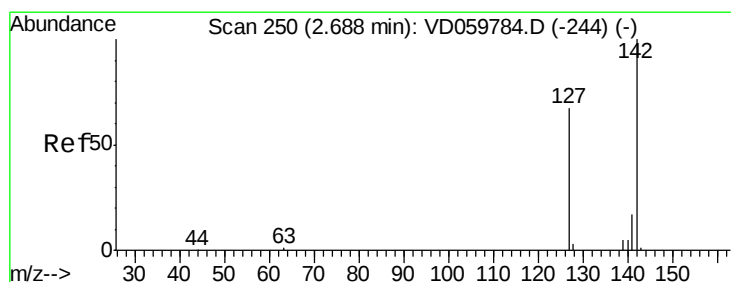
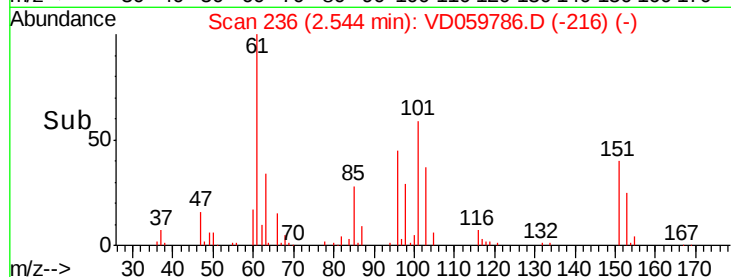
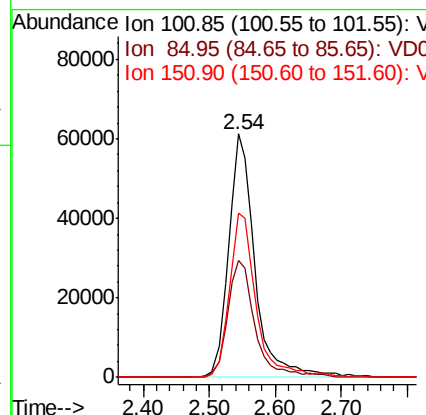
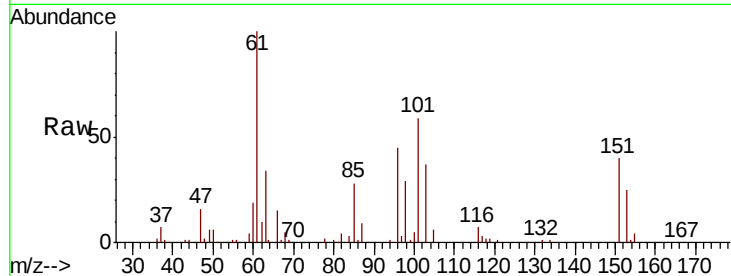
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	170527
Ion Ratio	Lower	Upper	
101	100		
85	48.1	40.6	61.0
151	67.5	57.1	85.7

Manual Integrations
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#10

Methyl Iodide

Concen: 96.43 ug/l

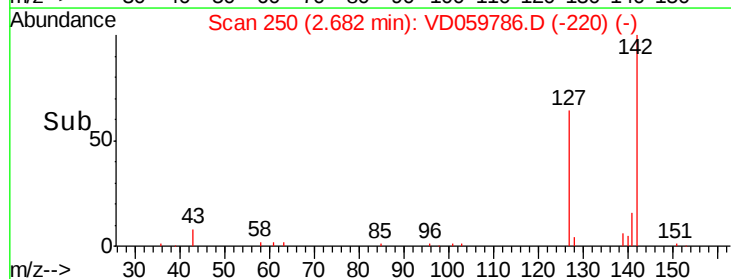
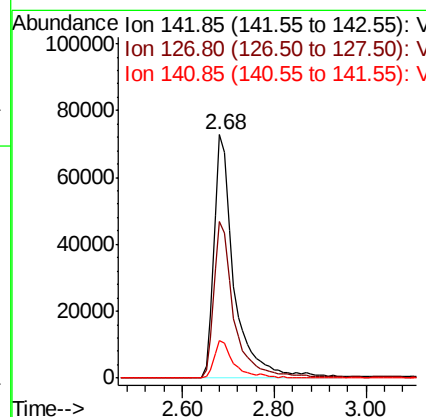
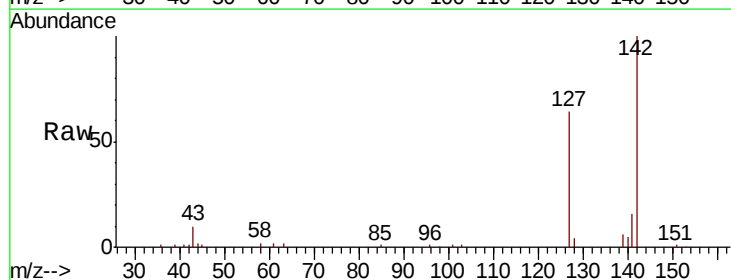
RT: 2.68 min Scan# 250

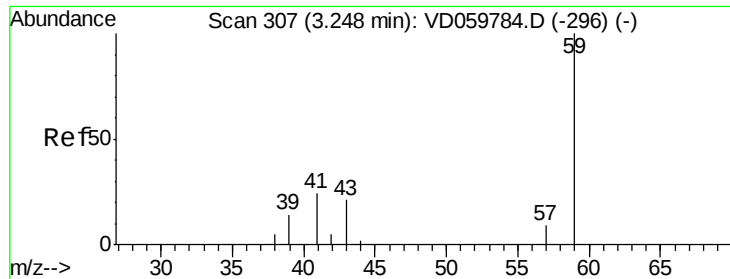
Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion:	142	Resp:	219817
Ion Ratio	Lower	Upper	
142	100		
127	64.1	54.0	81.0
141	15.6	13.3	19.9





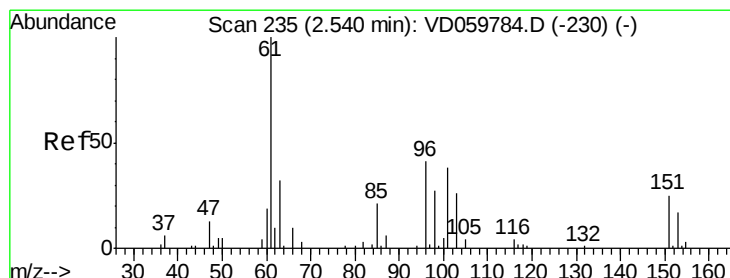
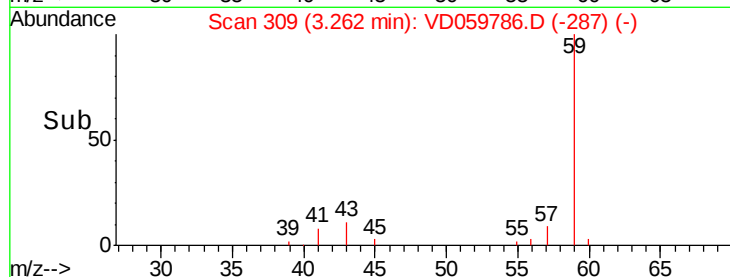
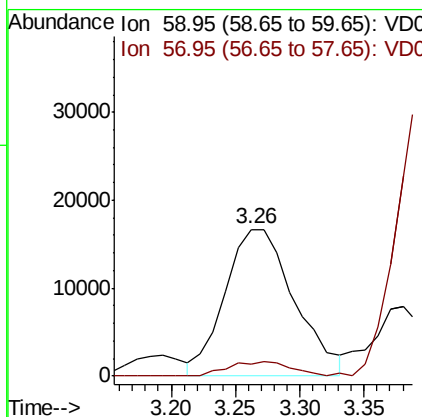
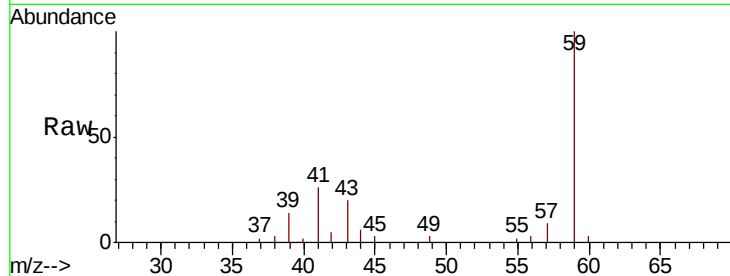
#11
Tert butyl alcohol
Concen: 423.75 ug/l m
RT: 3.26 min Scan# 309
Delta R.T. 0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.6	7.5	11.3

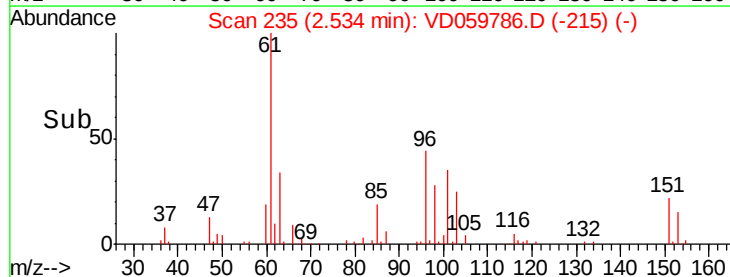
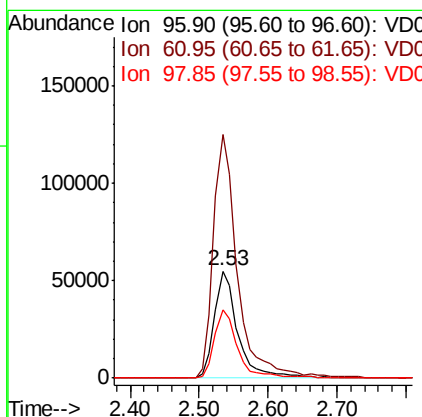
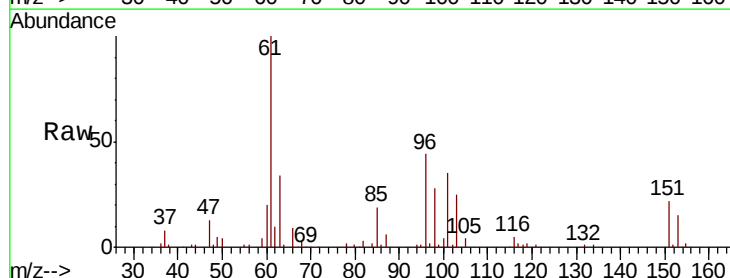
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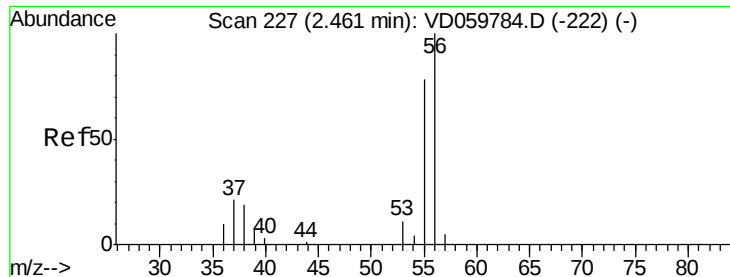
apatel
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#12
1,1-Dichloroethene
Concen: 86.00 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	227.7	194.1	291.1
98	63.9	52.3	78.5





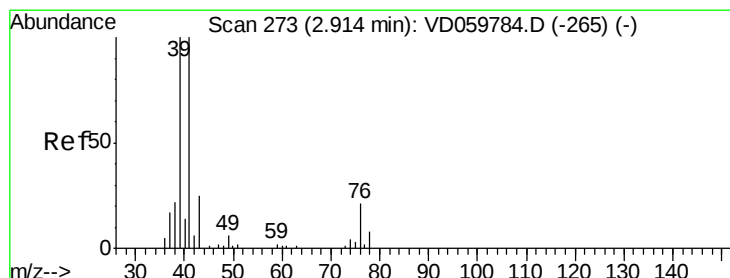
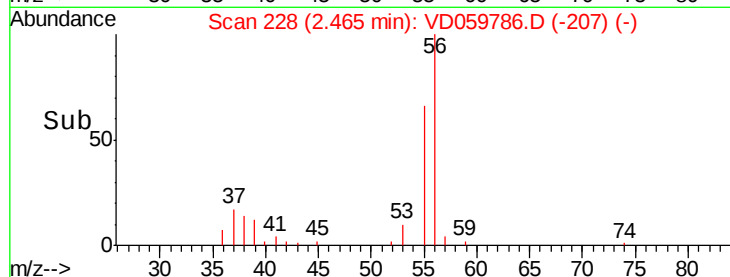
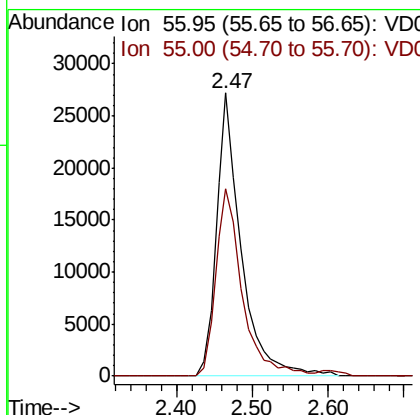
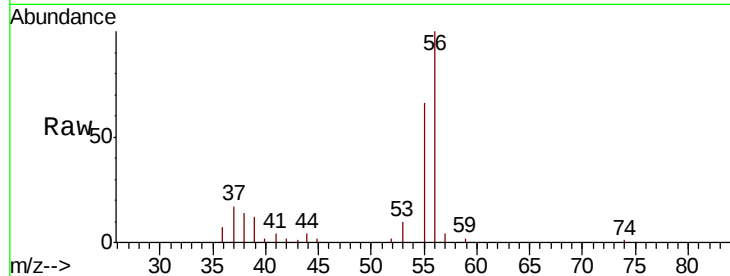
#13
Acrolein
Concen: 644.68 ug/l
RT: 2.47 min Scan# 228
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	61889
Ion Ratio	100	Lower	Upper
56	100		
55	66.0	62.2	93.2

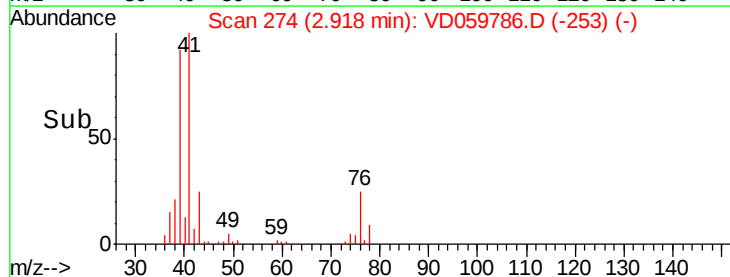
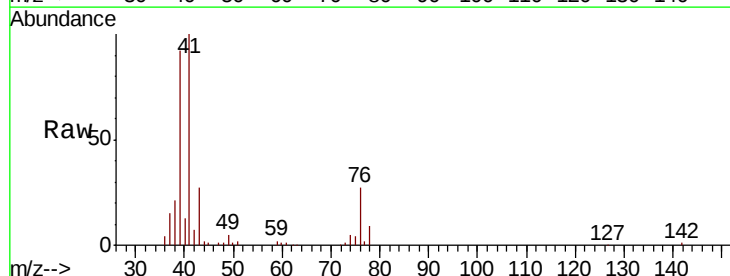
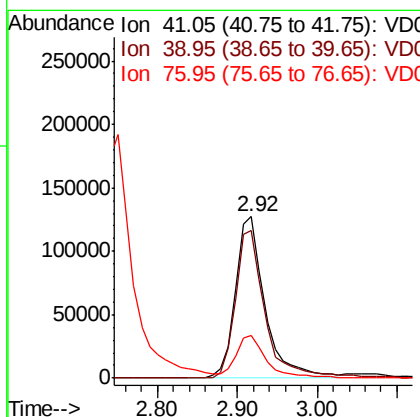
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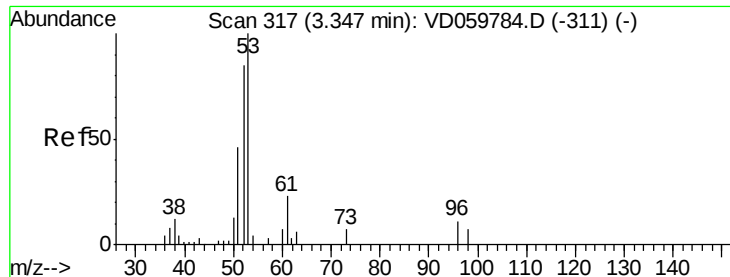
apatel
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#14
Allyl chloride
Concen: 97.15 ug/l
RT: 2.92 min Scan# 274
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	41	Resp	328983
Ion Ratio	100	Lower	Upper
41	100		
39	91.6	79.8	119.6
76	26.7	20.4	30.6





#15

Acrylonitrile

Concen: 609.71 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD059786.D

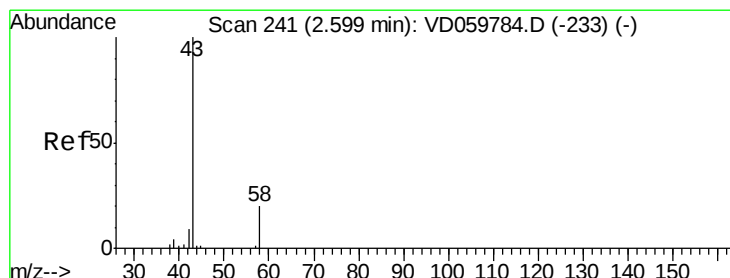
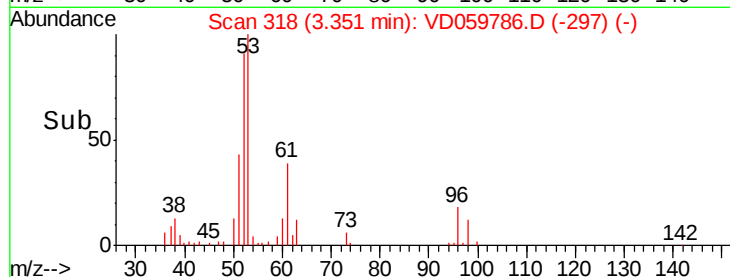
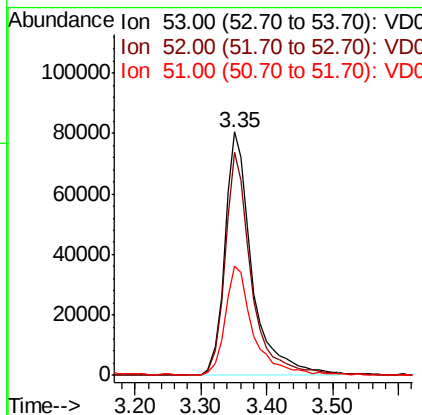
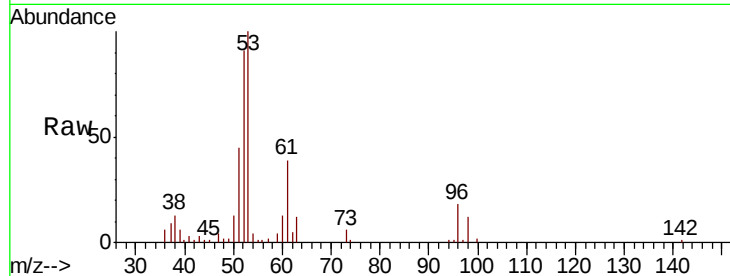
Acq: 15 Aug 2018 1:47

Tot Ion:	53	Resp:	232162
Ion	Ratio	Lower	Upper
53	100		
52	91.4	68.2	102.2
51	44.6	36.6	54.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Manual Integrations
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#16

Acetone

Concen: 474.87 ug/l

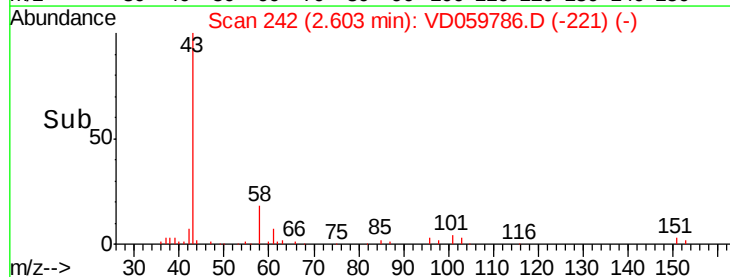
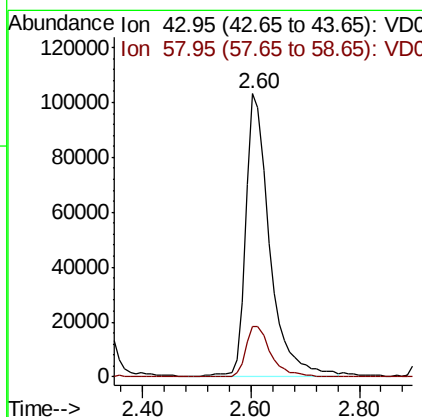
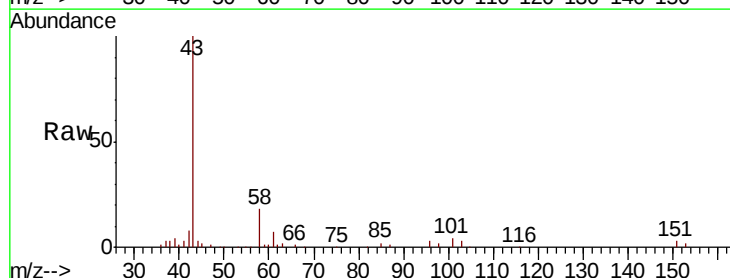
RT: 2.60 min Scan# 242

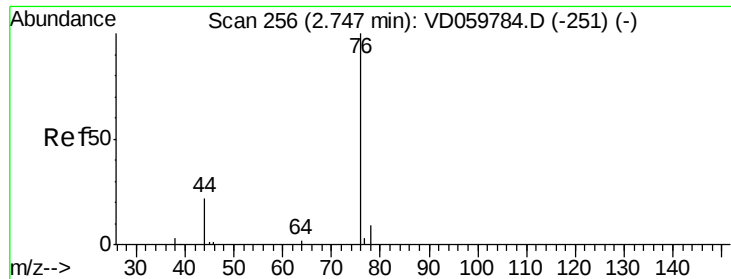
Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion:	43	Resp:	317220
Ion	Ratio	Lower	Upper
43	100		
58	17.9	15.7	23.5





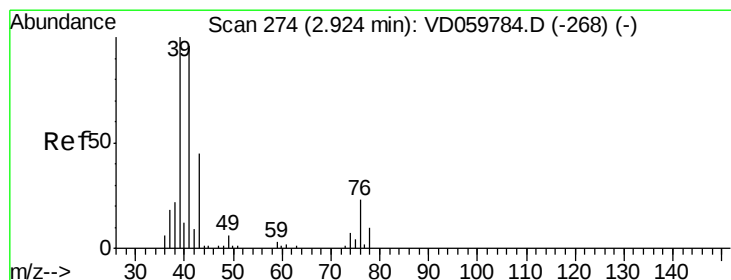
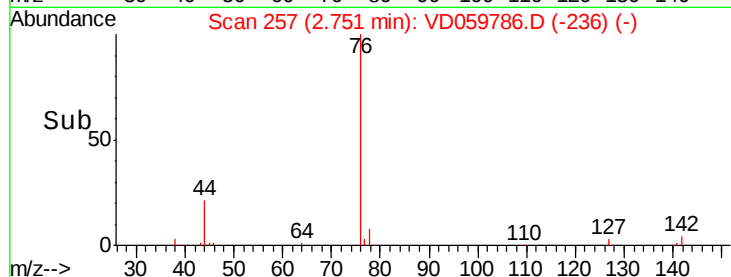
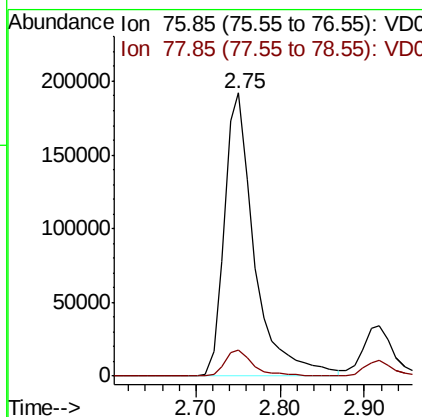
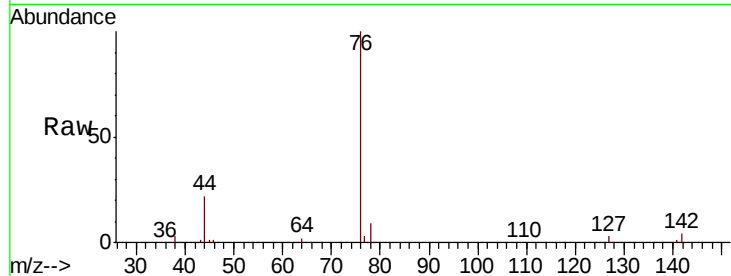
#17
Carbon Disulfide
Concen: 94.38 ug/l
RT: 2.75 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.9	10.3

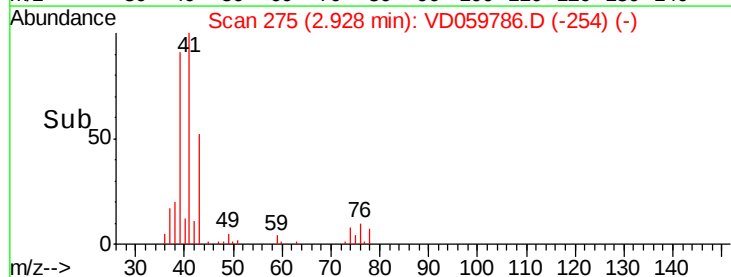
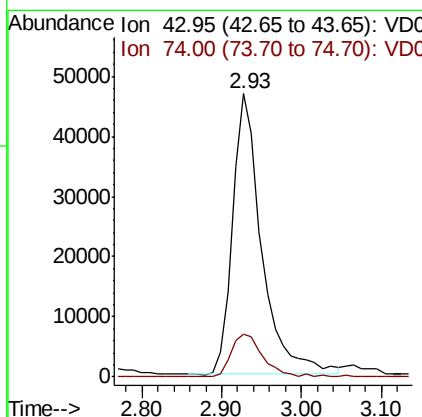
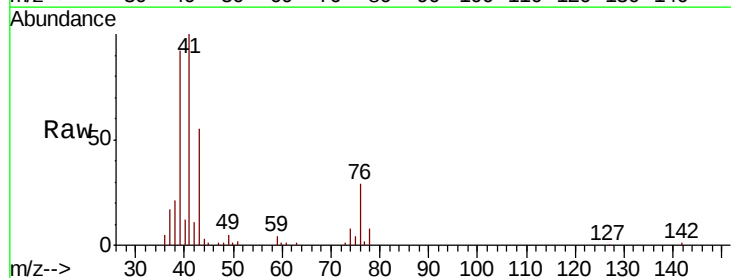
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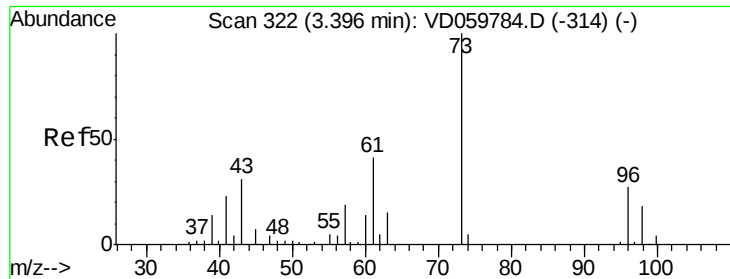
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#18
Methyl Acetate
Concen: 87.62 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.2	12.4	18.6





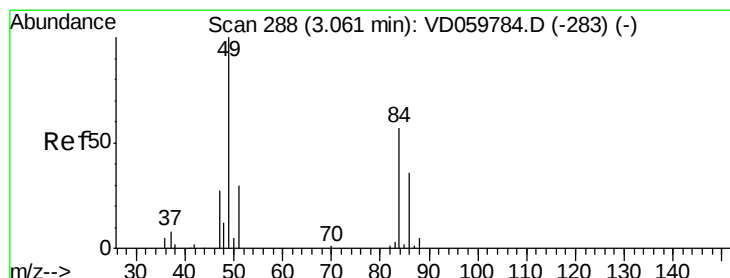
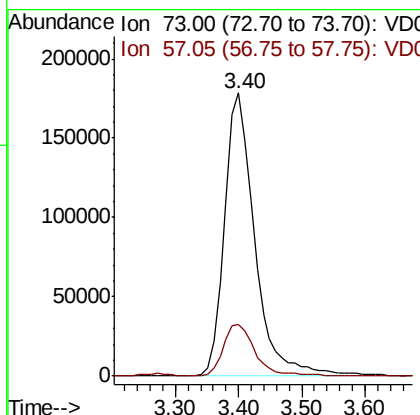
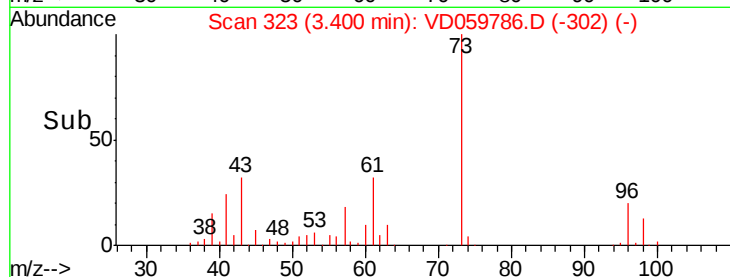
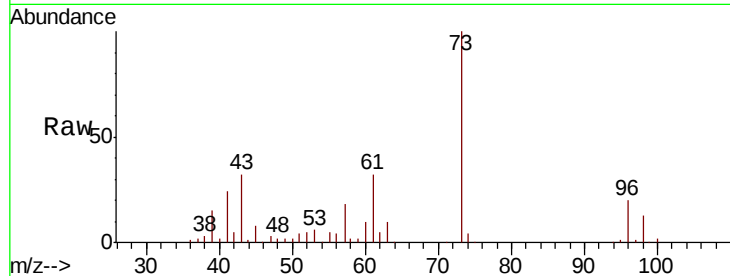
#19
Methvl tert-butvl Ether
Concen: 97.17 ug/l
RT: 3.40 min Scan# 323
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.3	14.8	22.2

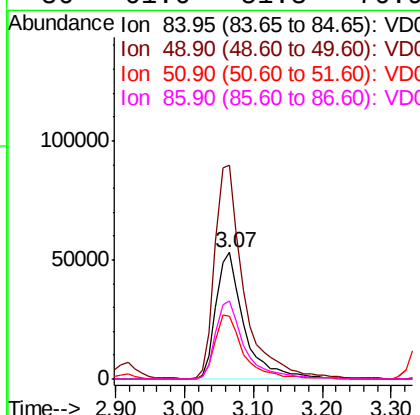
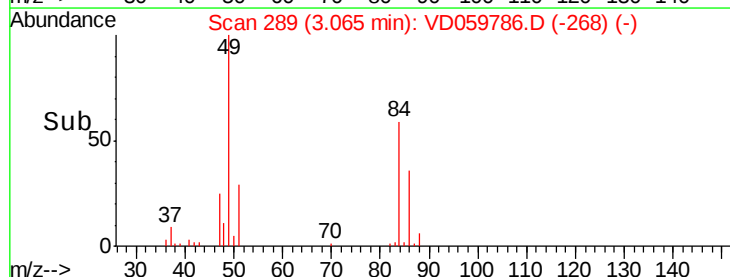
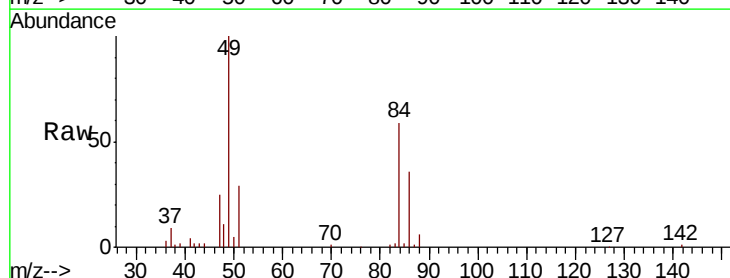
Manual Integrations
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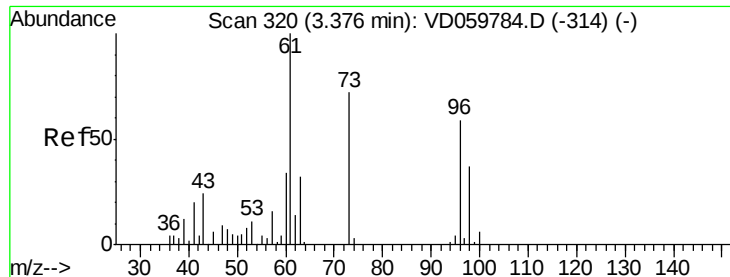
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#20
Methylene Chloride
Concen: 76.03 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	168.9	140.9	211.3
51	49.2	42.8	64.2
86	61.6	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 115.17 ug/l

RT: 3.38 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 239363

Ion Ratio Lower Upper

96 100

61 165.8 134.8 202.2

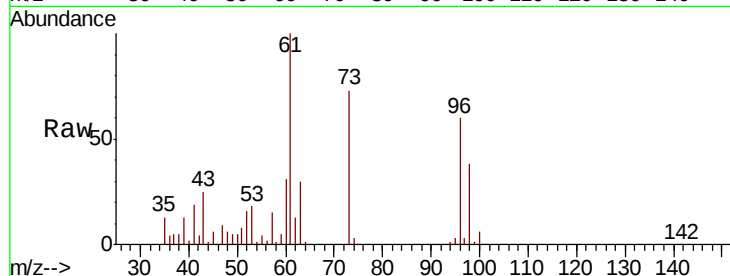
98 62.6 50.0 75.0

Manual Integrations

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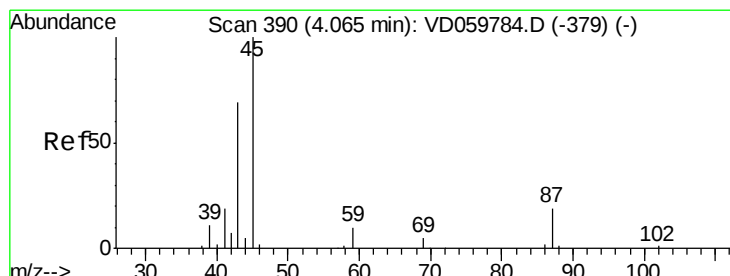
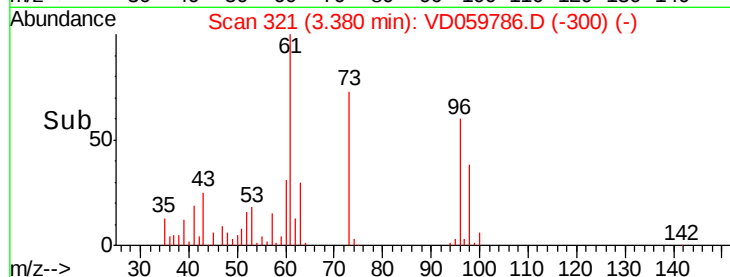
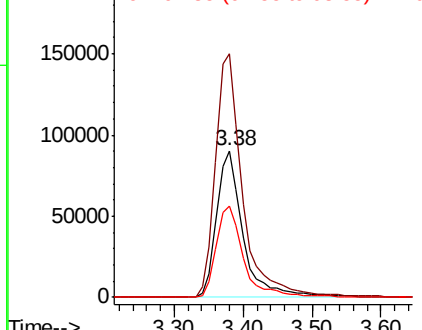


Abundance

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



#22

Diisopropyl ether

Concen: 124.14 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion: 45 Resp: 851790

Ion Ratio Lower Upper

45 100

43 70.9 57.5 86.3

87 19.3 16.1 24.1

59 10.6 8.4 12.6

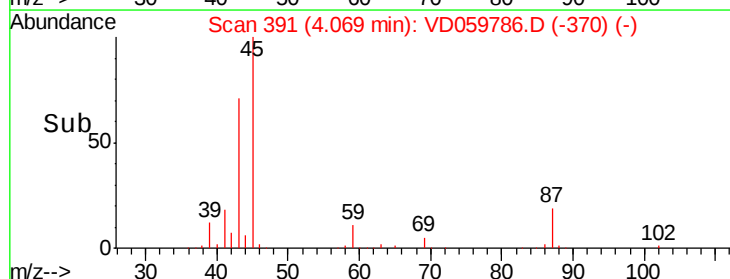
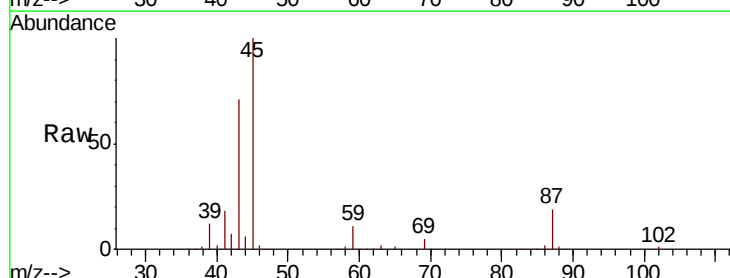
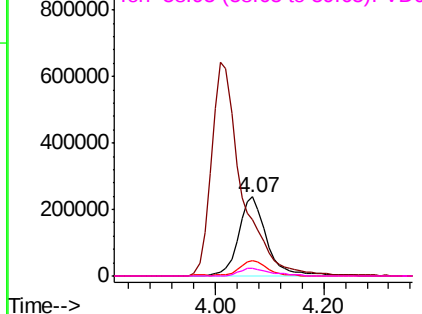
Abundance

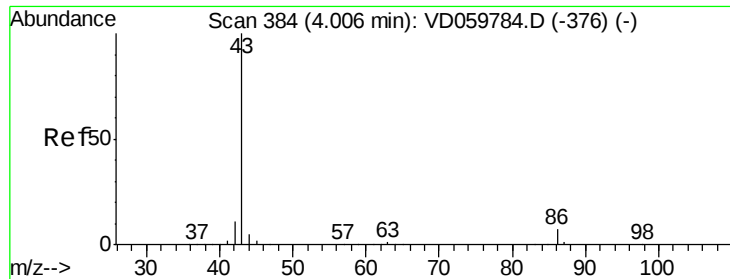
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 548.61 ug/l

RT: 4.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 2452871

Ion Ratio Lower Upper

43 100

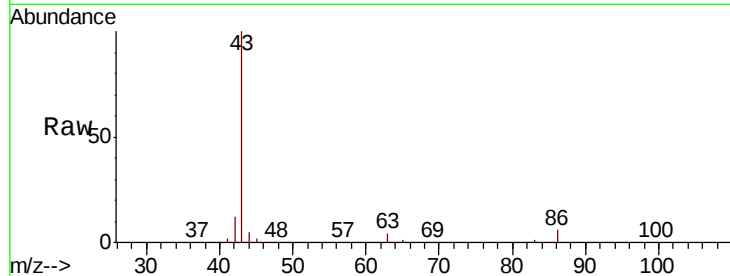
86 5.9 5.4 8.0

Manual Integrations

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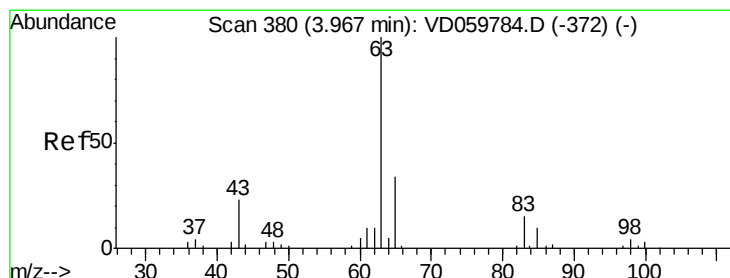
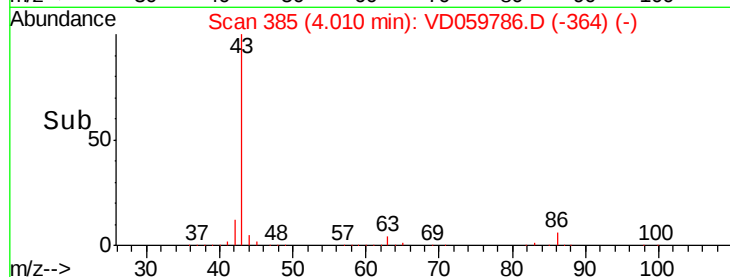
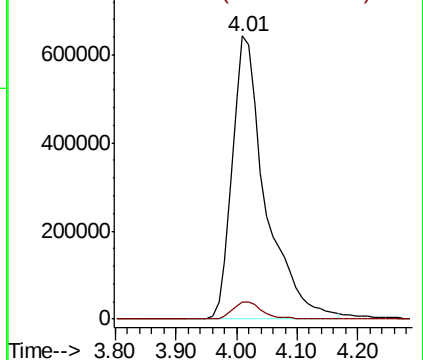
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 103.64 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

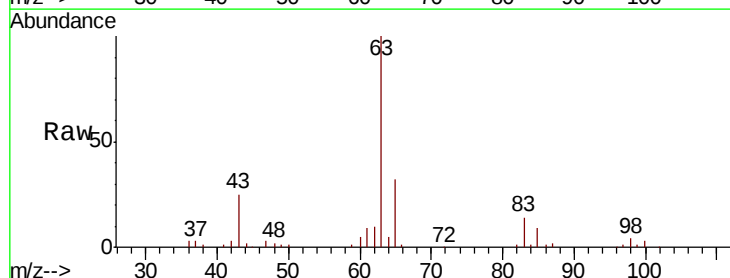
Tgt Ion: 63 Resp: 504049

Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

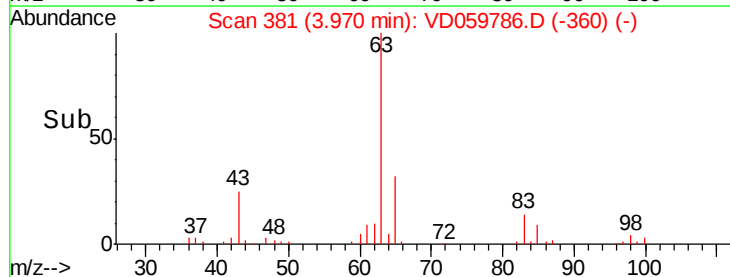
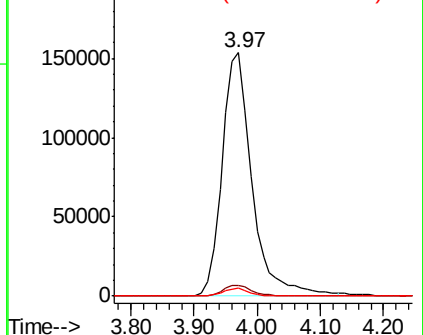
100 3.2 1.6 4.7

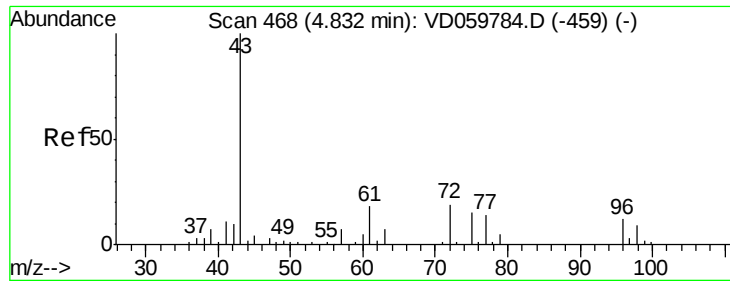


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 640.38 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tot Ion: 43 Resp: 495443

Ion Ratio Lower Upper

43 100

72 18.7 14.9 22.3

Instrument :

MSVOA_D

ClientSampleId :

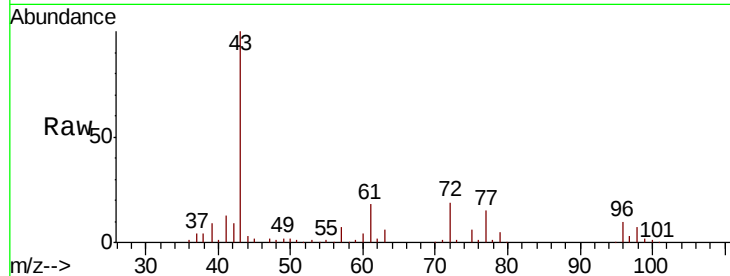
VSTDIC100

Manual Integrations

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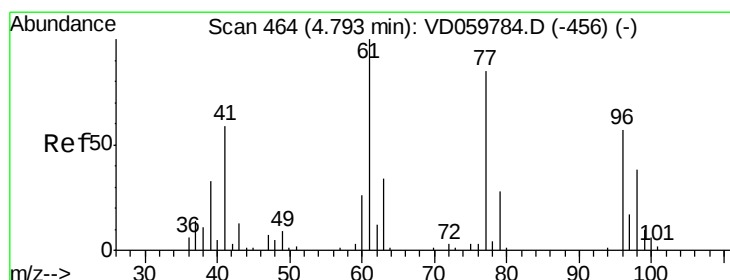
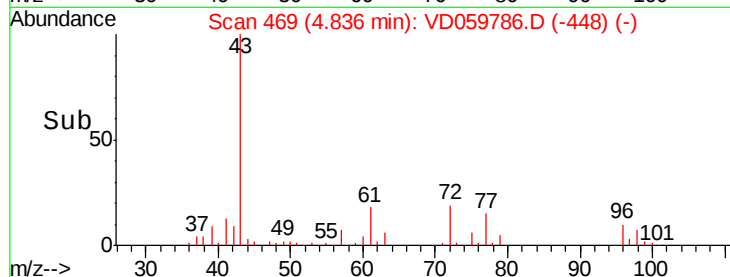
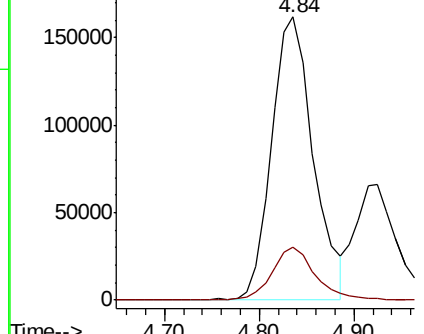
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 82.38 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059786.D

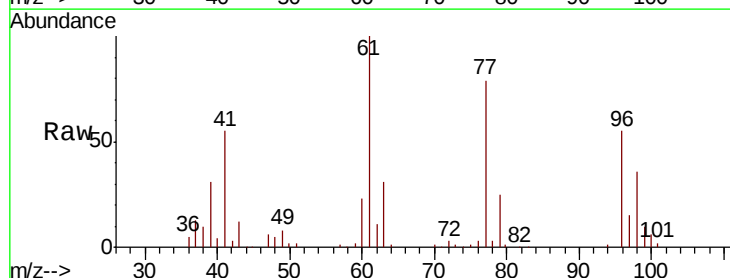
Acq: 15 Aug 2018 1:47

Tgt Ion: 77 Resp: 450309

Ion Ratio Lower Upper

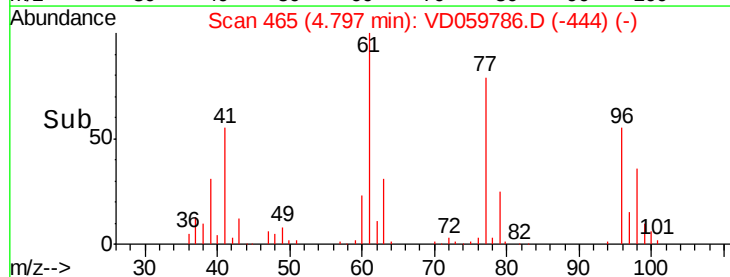
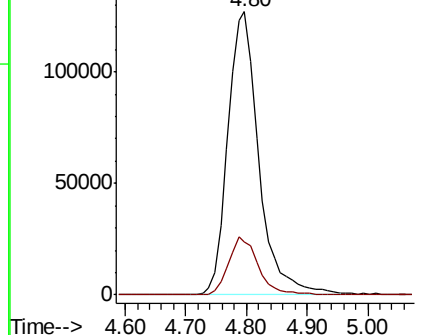
77 100

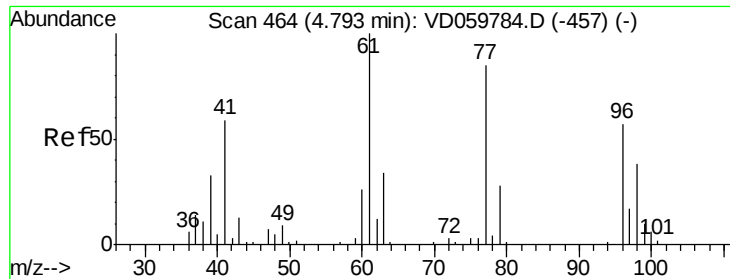
97 18.9 10.3 30.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

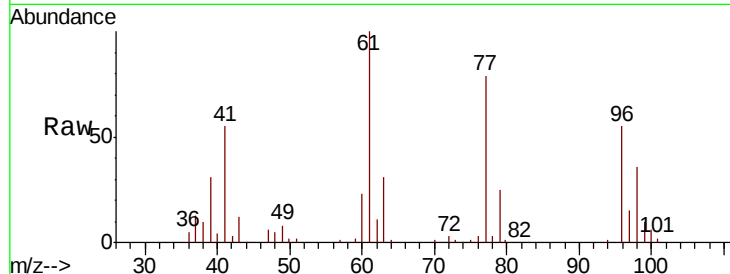
cis-1,2-Dichloroethene
Concen: 107.52 ug/l
RT: 4.80 min Scan# 465
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

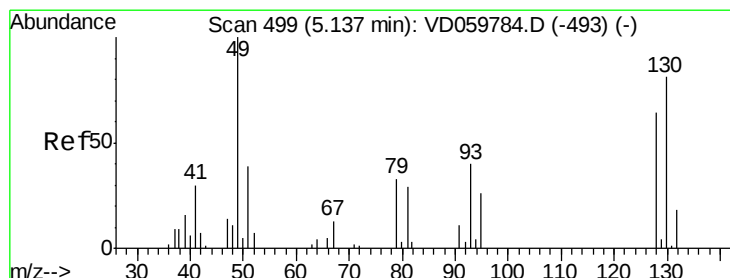
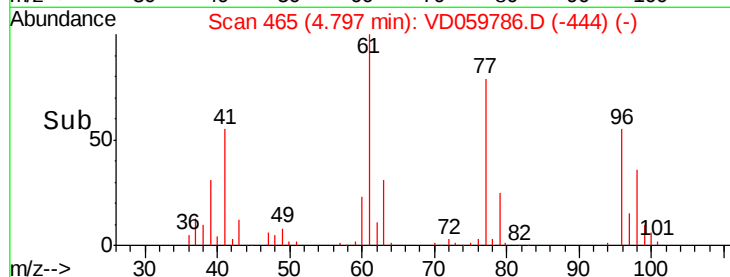
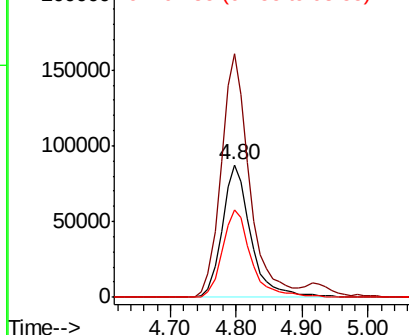
Tot Ion	Ratio	Resp	Lower	Upper
96	100	264185		
61	183.5	0.0	351.6	
98	66.1	0.0	135.2	

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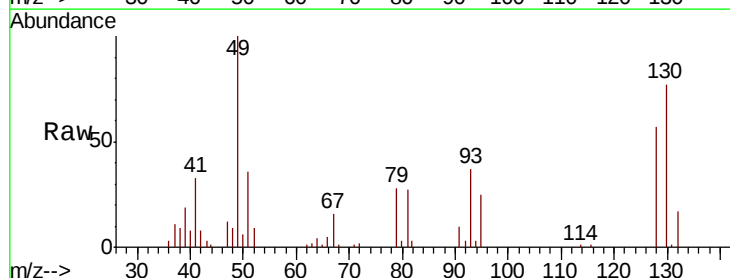
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



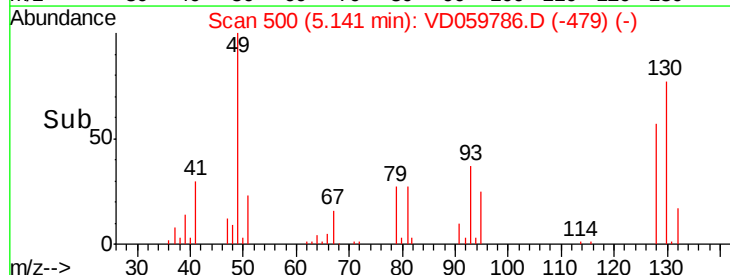
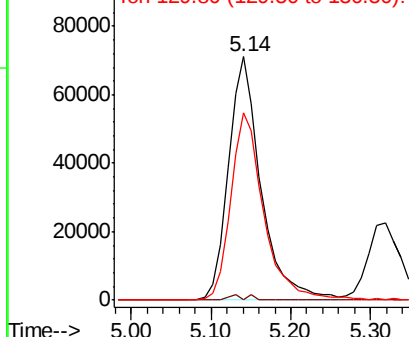
#28

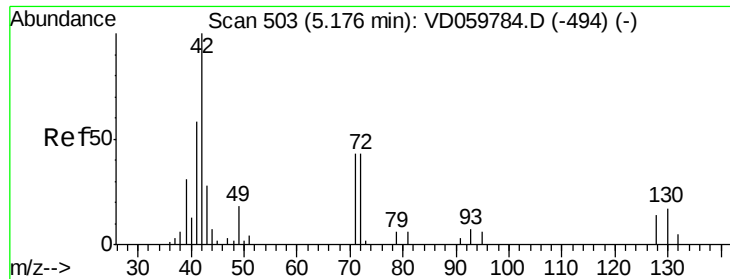
Bromochloromethane
Concen: 113.94 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	201826		
129	0.0	0.0	7.0	
130	76.7	64.8	97.2	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





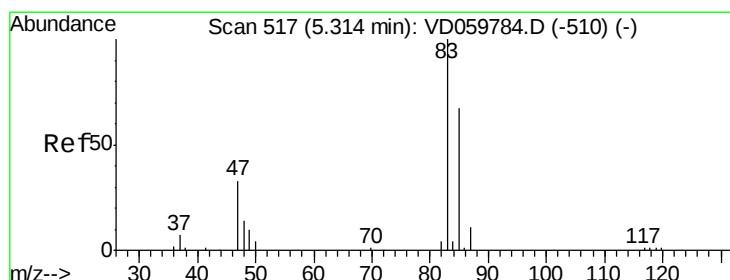
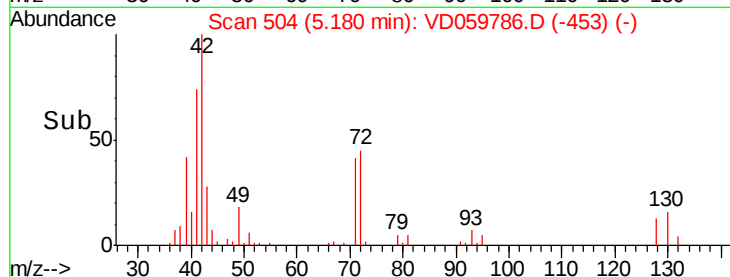
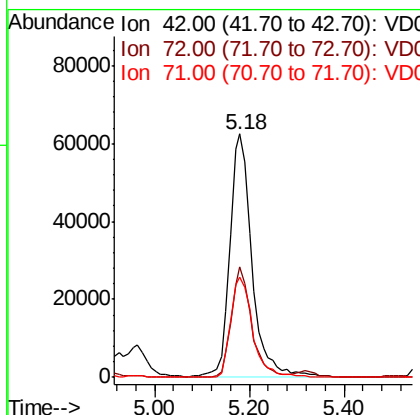
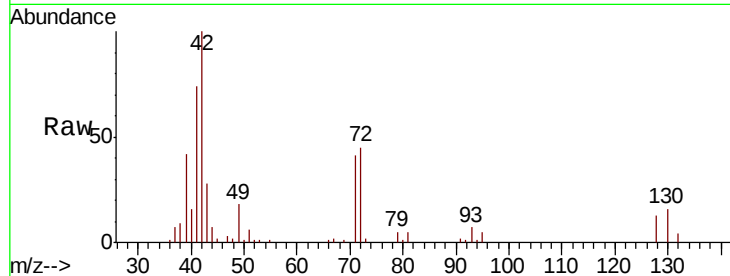
#29
Tetrahydrofuran
Concen: 684.81 ug/l
RT: 5.18 min Scan# 504
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.3	51.5
71	40.8	33.0	49.6

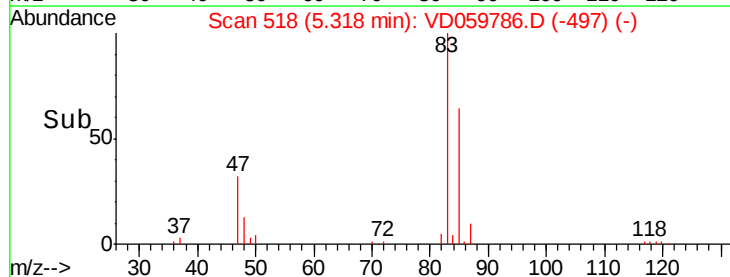
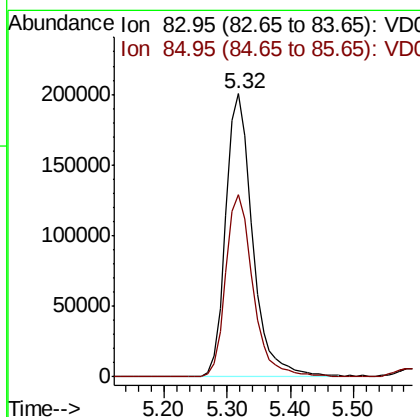
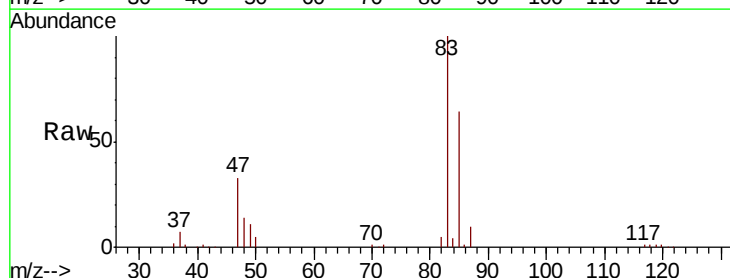
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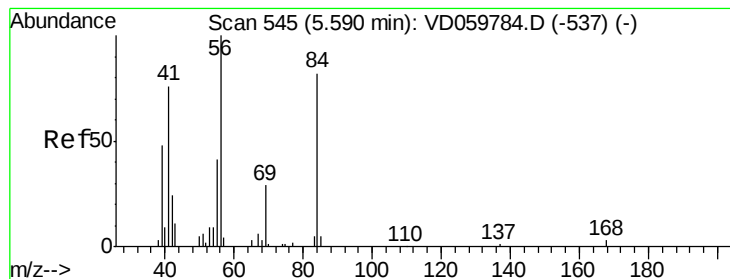
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#30
Chloroform
Concen: 93.63 ug/l
RT: 5.32 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.4	80.2





#31

Cyclohexane

Concen: 116.64 ug/l

RT: 5.58 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

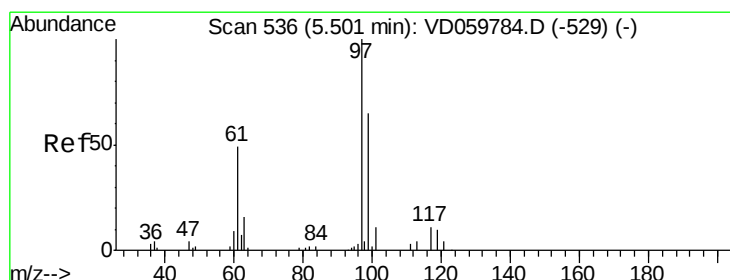
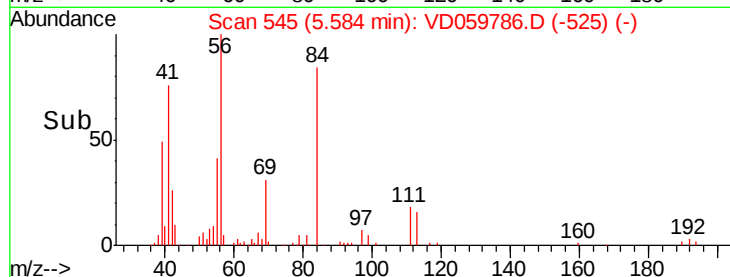
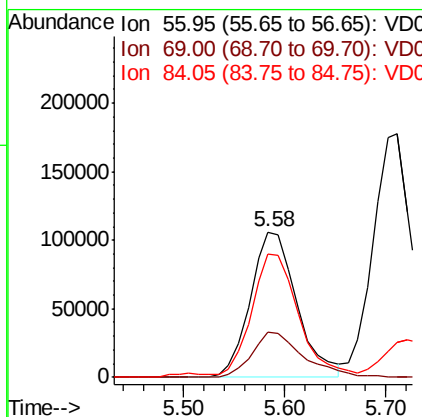
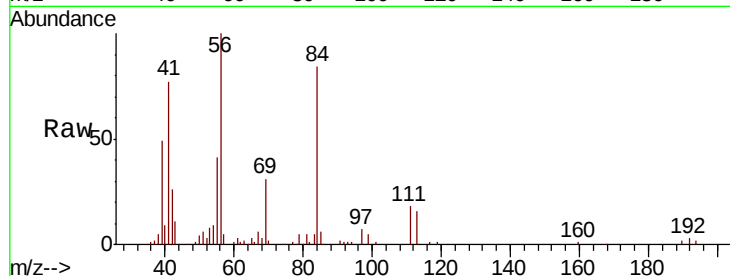
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	339227
Ion Ratio	Lower	Upper	
56	100		
69	30.7	23.4	35.2
84	84.5	65.4	98.2

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#32

1,1,1-Trichloroethane

Concen: 84.03 ug/l

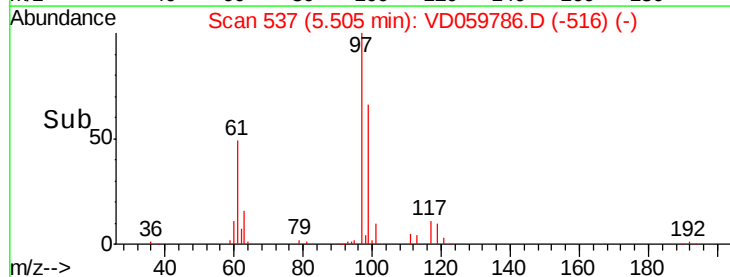
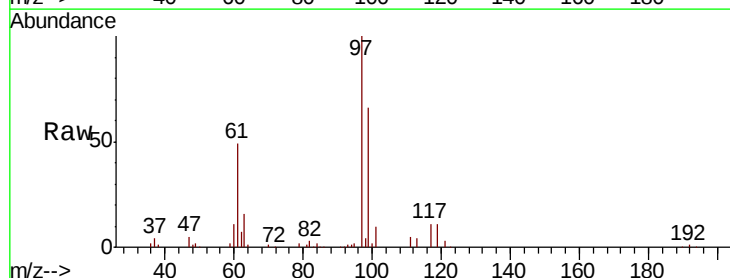
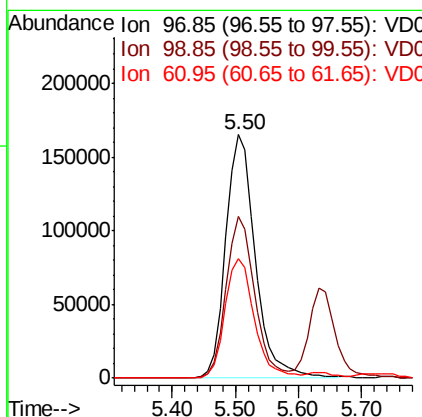
RT: 5.50 min Scan# 537

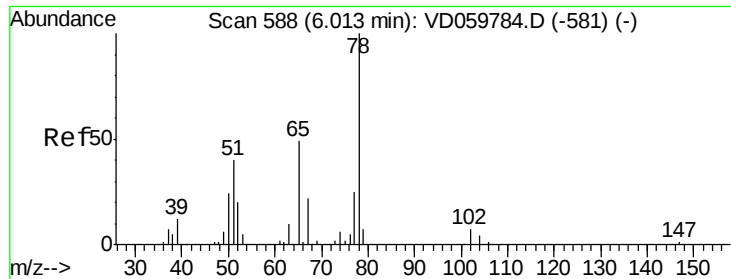
Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion:	97	Resp:	535378
Ion Ratio	Lower	Upper	
97	100		
99	66.2	52.2	78.2
61	49.2	39.6	59.4





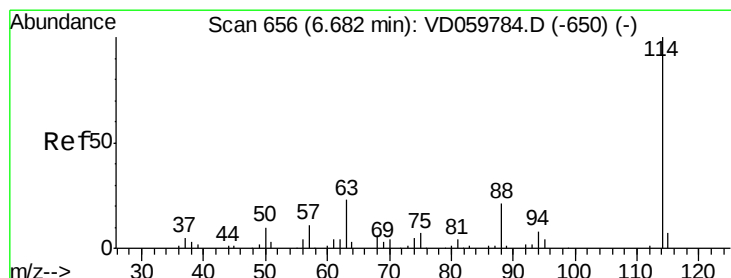
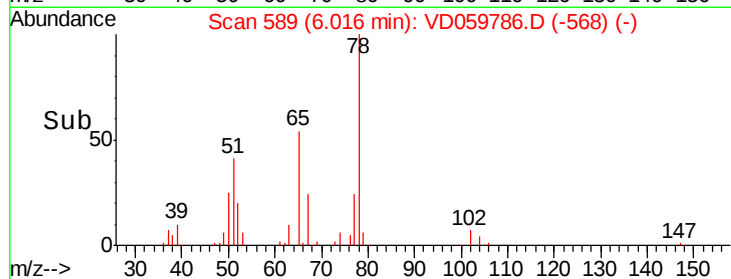
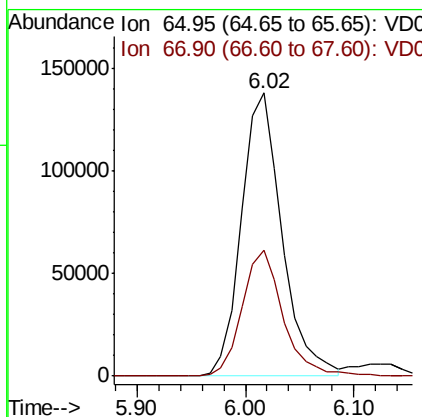
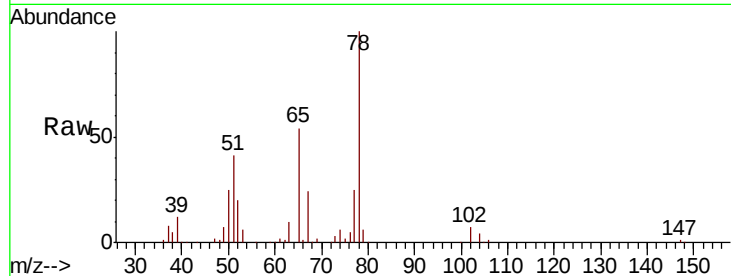
#33
 1,2-Dichloroethane-d4
 Concen: 84.03 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	44.6	0.0	87.8	

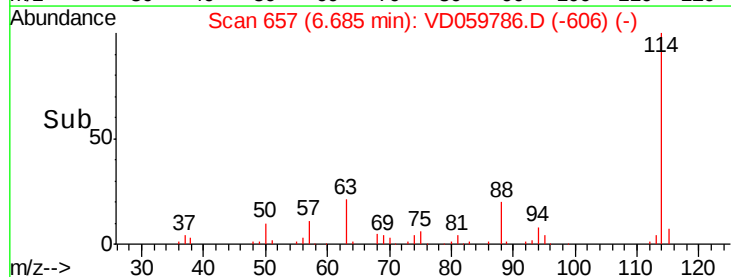
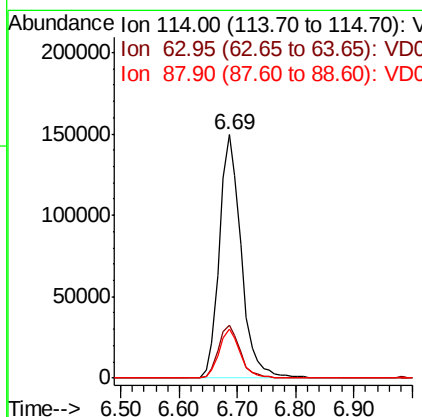
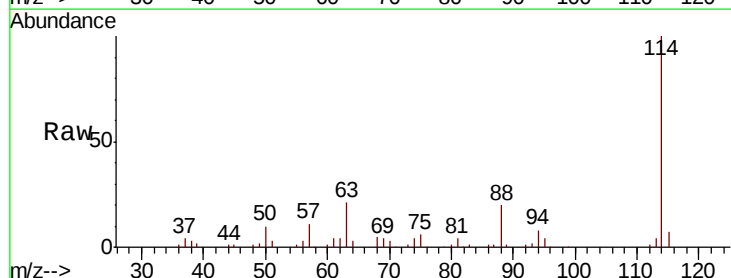
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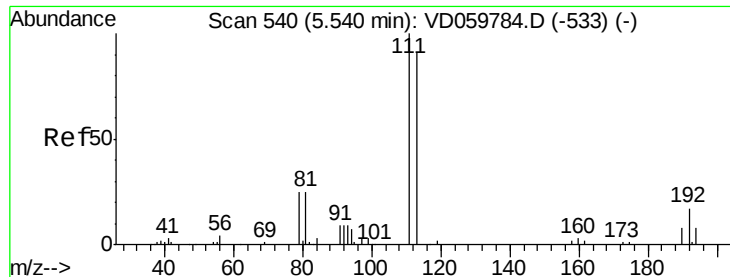
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	45.0	
88	20.2	0.0	41.2	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.54 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

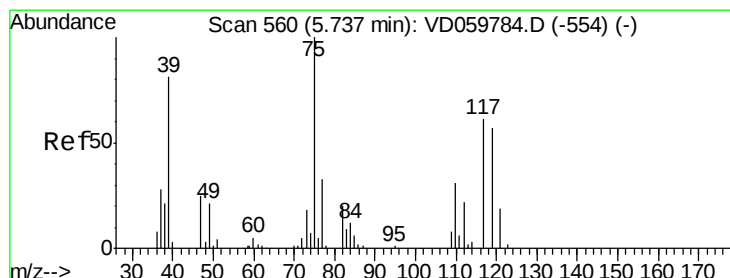
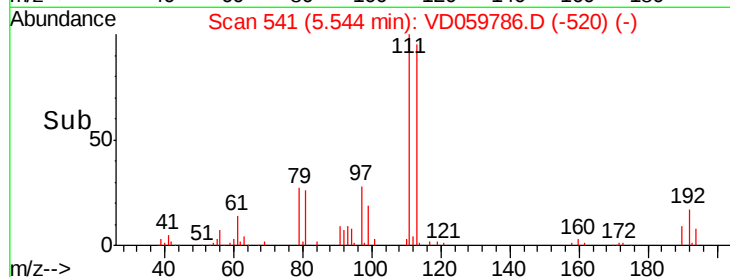
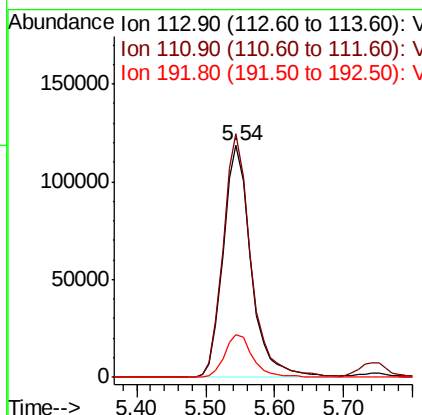
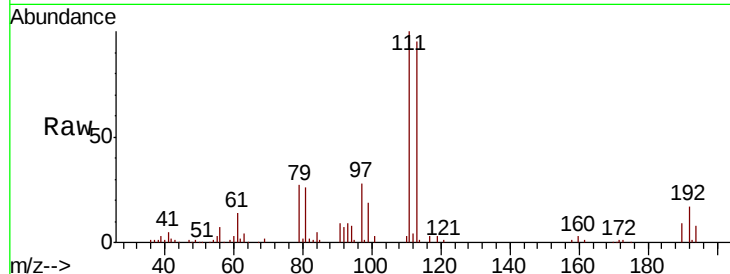
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	332865
Ion Ratio	Lower	Upper	
113	100		
111	105.0	87.7	131.5
192	18.3	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 84.06 ug/l

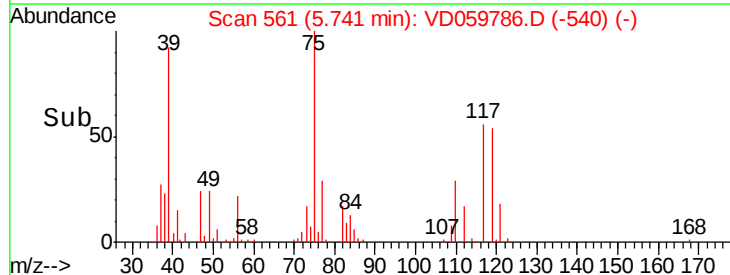
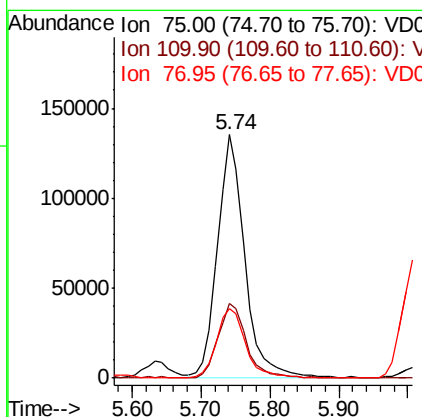
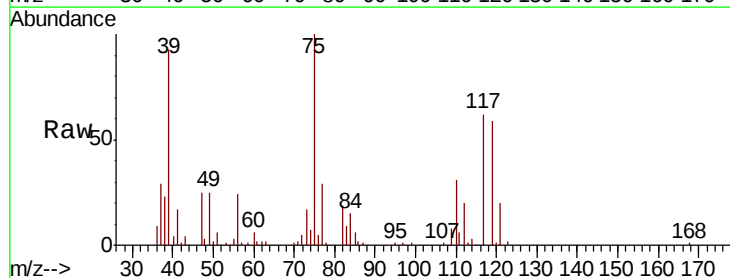
RT: 5.74 min Scan# 561

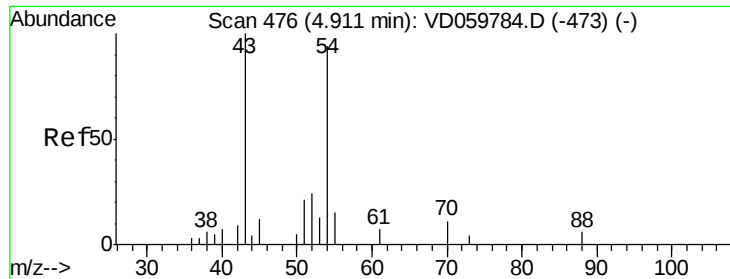
Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion:	75	Resp:	366561
Ion Ratio	Lower	Upper	
75	100		
110	30.9	15.3	45.8
77	28.8	26.2	39.4





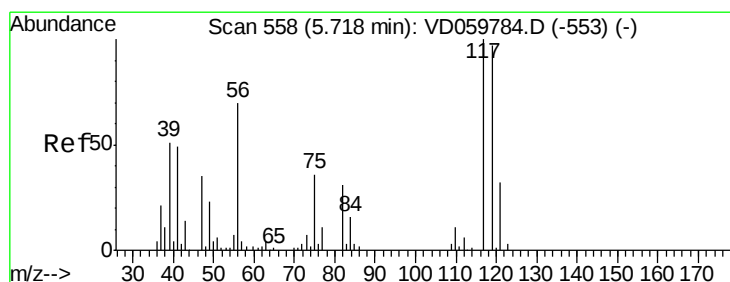
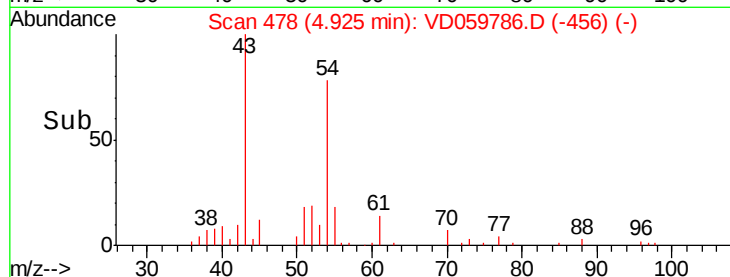
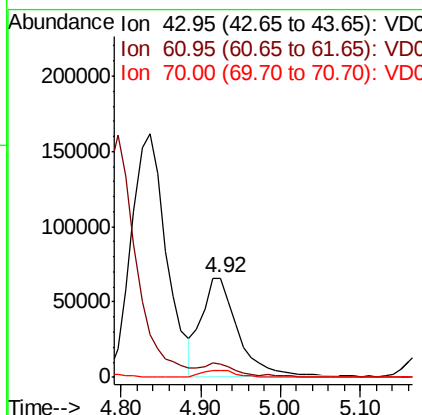
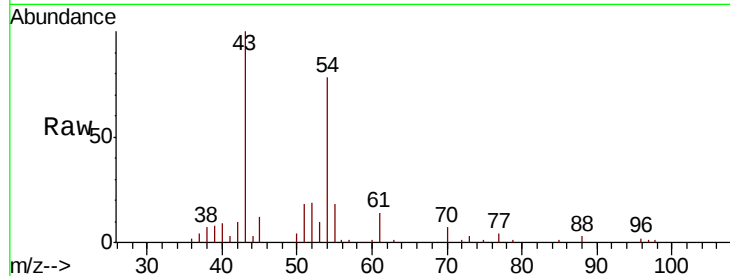
#37
Ethyl Acetate
Concen: 106.63 ug/l
RT: 4.92 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	7.3	5.8	8.8

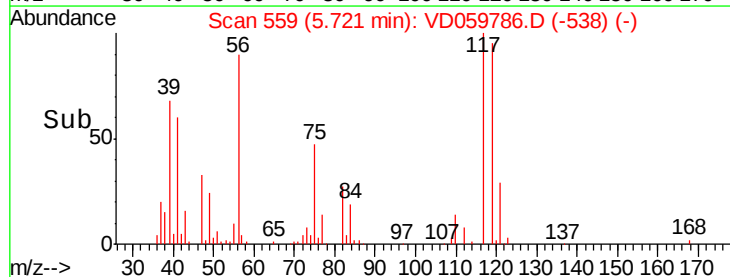
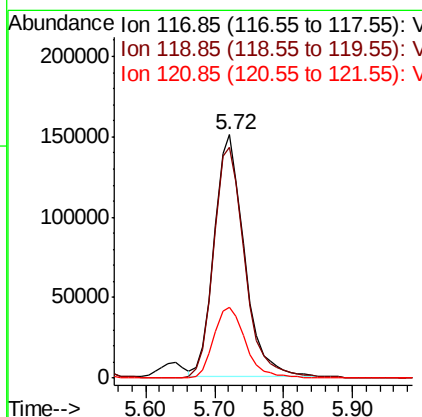
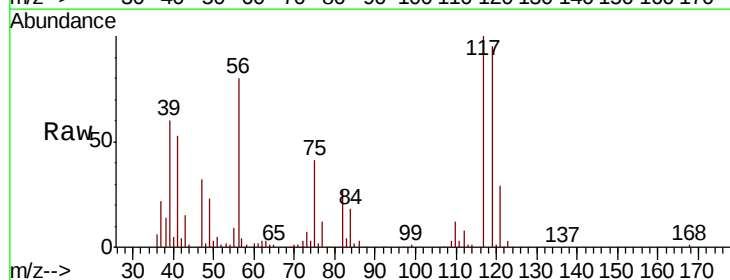
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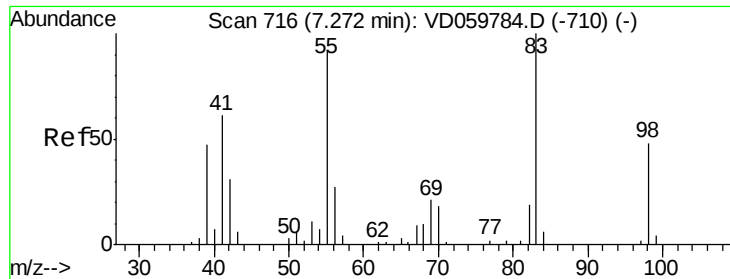
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#38
Carbon Tetrachloride
Concen: 69.02 ug/l
RT: 5.72 min Scan# 559
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.7	113.5
121	29.2	24.7	37.1





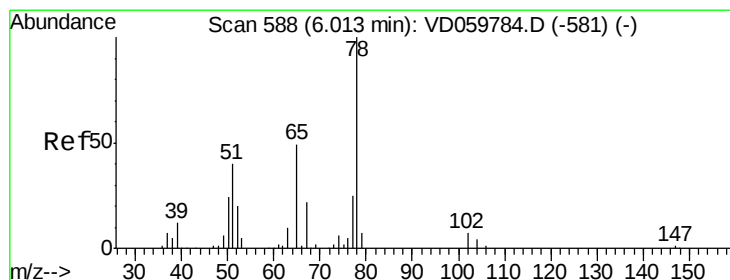
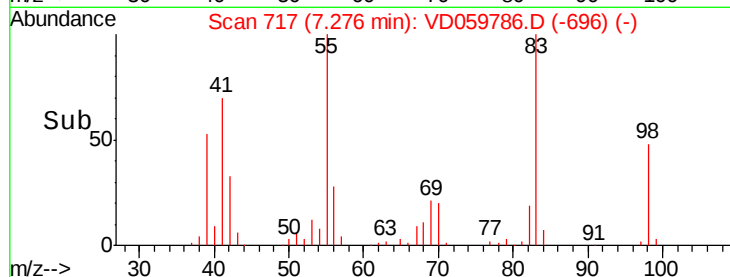
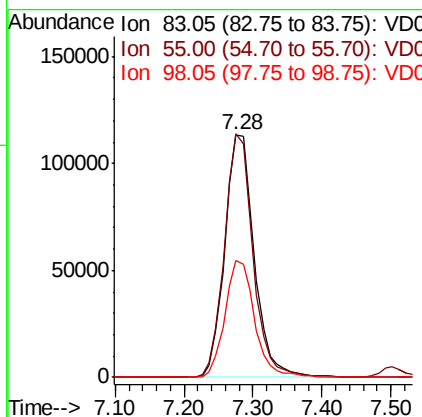
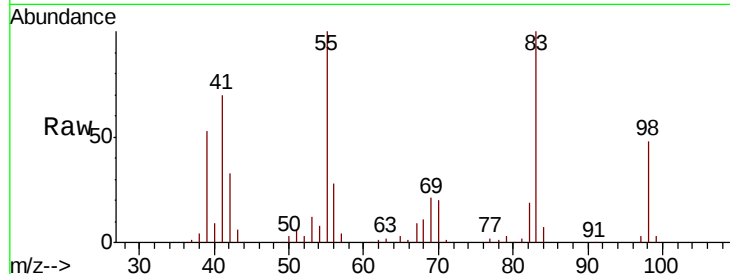
#39
Methvlcvclohexane
Concen: 100.53 ug/l
RT: 7.28 min Scan# 717
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	100.3	73.8	110.6
98	48.0	38.4	57.6

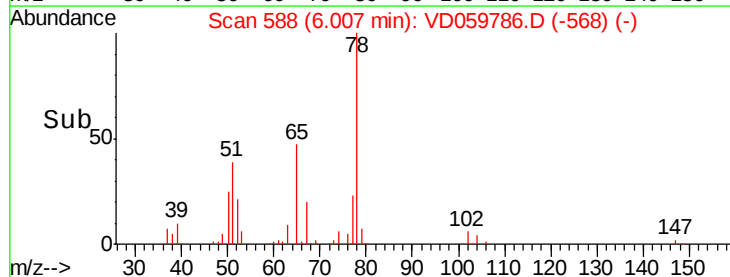
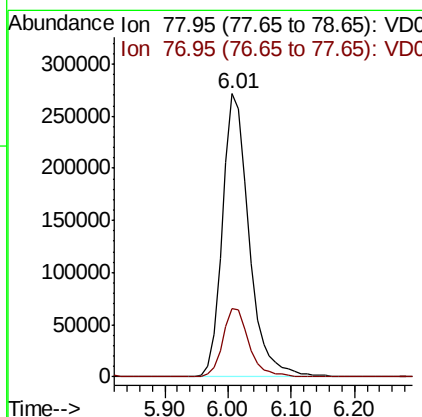
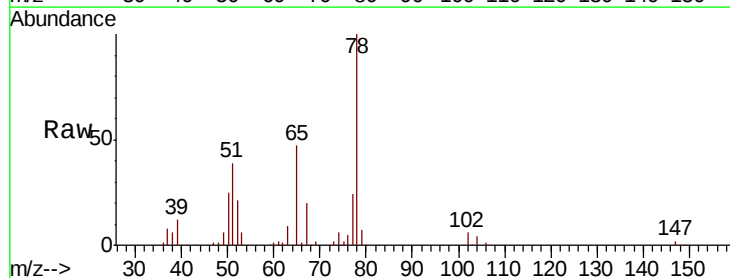
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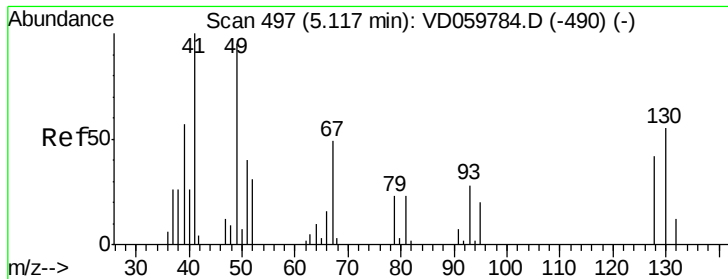
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#40
Benzene
Concen: 100.76 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.6	29.4





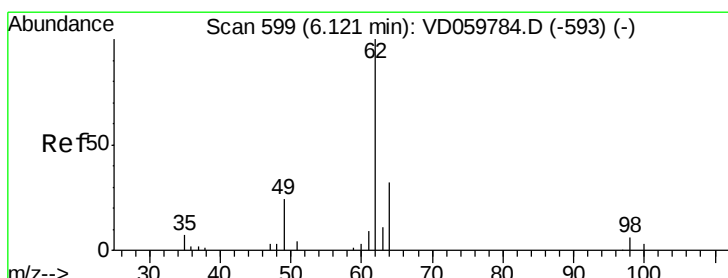
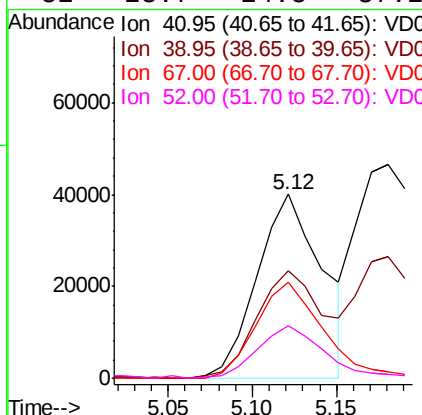
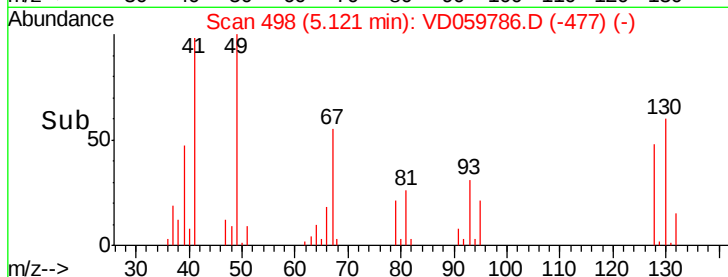
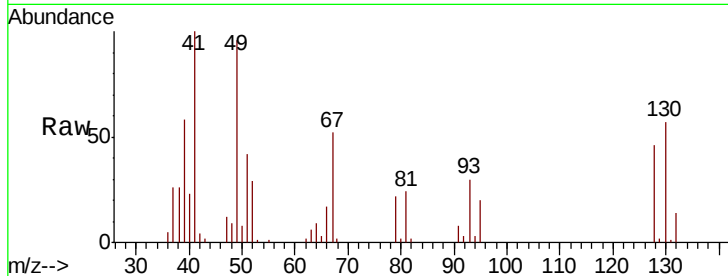
#41
Methacrylonitrile
Concen: 113.85 ug/l
RT: 5.12 min Scan# 498
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.5	45.4	68.2
67	52.0	39.5	59.3
52	28.7	24.8	37.2

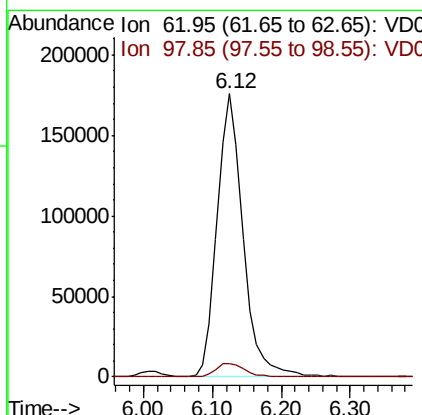
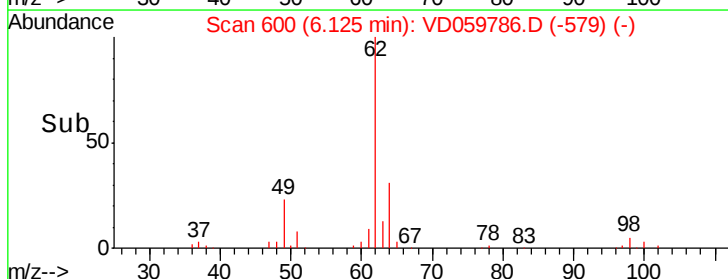
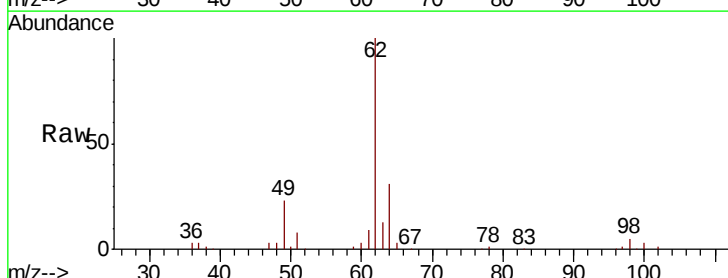
Manual Integrations
APPROVED

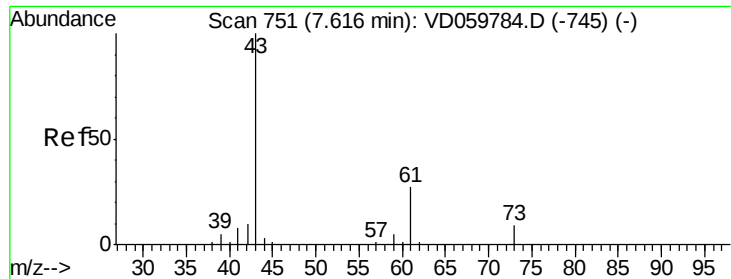
apatel
8/15/2018 4:19:55 PM



#42
1,2-Dichloroethane
Concen: 78.33 ug/l
RT: 6.12 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	12.0





#43

Isopropyl Acetate

Concen: 110.01 ug/l

RT: 7.61 min Scan# 751

Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

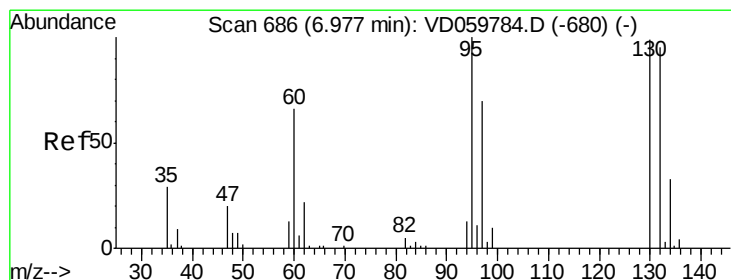
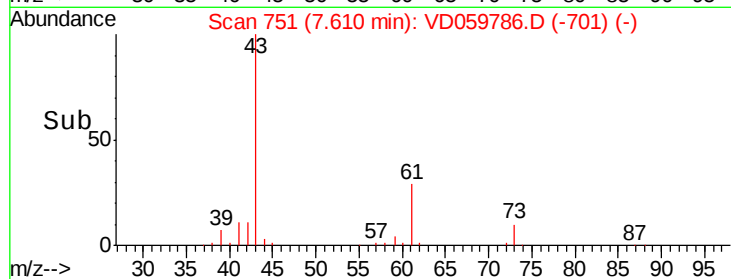
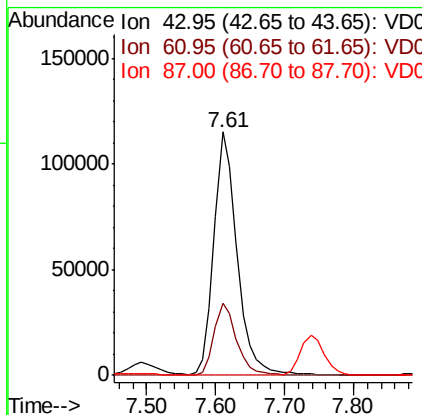
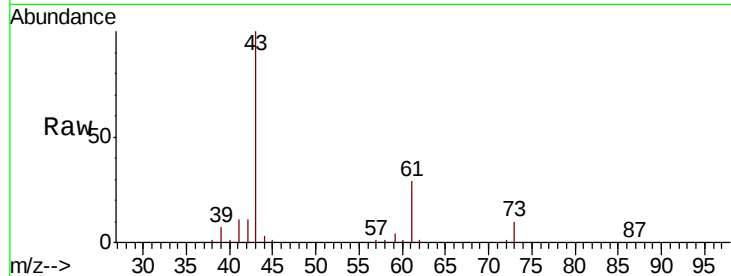
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	270911
Ion Ratio	Lower	Upper	
43	100		
61	29.5	21.2	31.8
87	0.3	0.0	0.0#

Manual Integrations
APPROVED

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#44

Trichloroethene

Concen: 90.27 ug/l

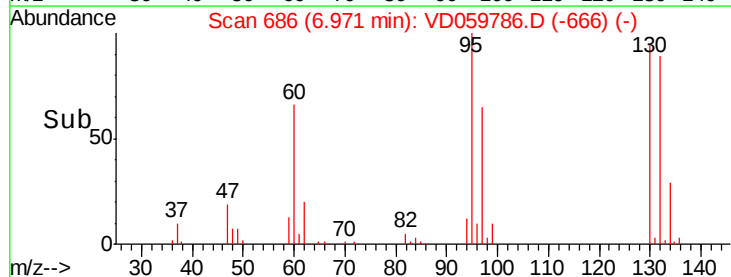
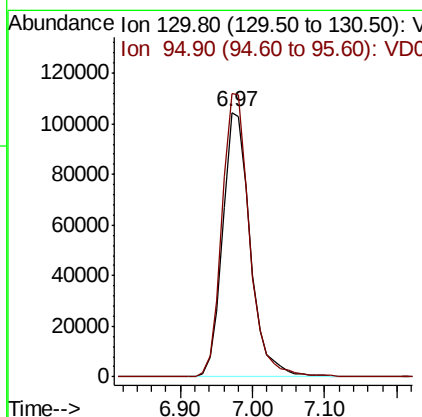
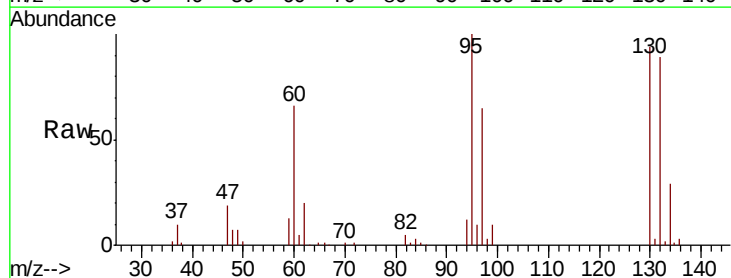
RT: 6.97 min Scan# 686

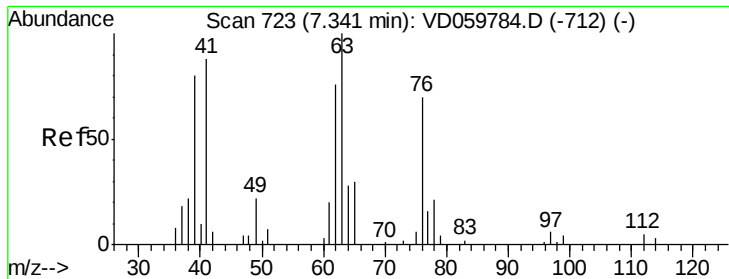
Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion:	130	Resp:	276965
Ion Ratio	Lower	Upper	
130	100		
95	106.9	0.0	201.2





#45

1,2-Dichloropropane

Concen: 110.46 ug/l

RT: 7.34 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tot Ion: 63 Resp: 225133

Ion Ratio Lower Upper

63 100

65 30.9 24.2 36.4

Instrument :

MSVOA_D

ClientSampleId :

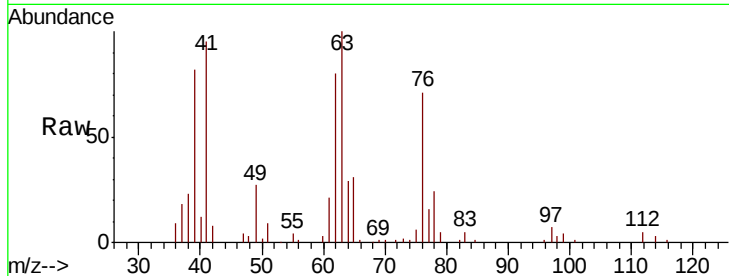
VSTDIC100

Manual Integrations

APPROVED

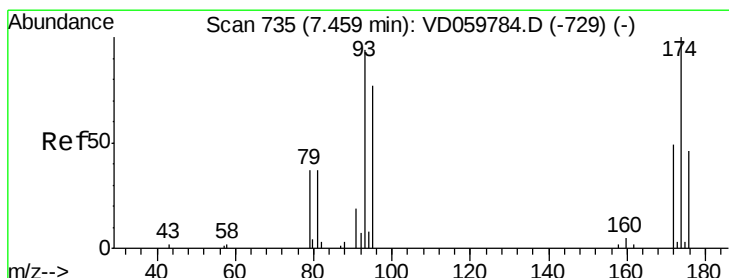
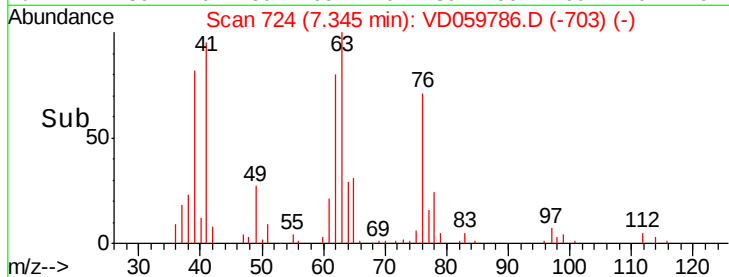
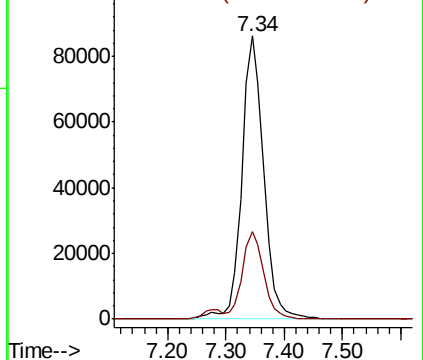
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 90.02 ug/l

RT: 7.45 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

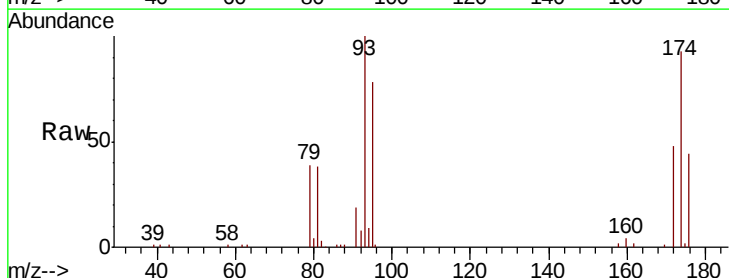
Tgt Ion: 93 Resp: 183071

Ion Ratio Lower Upper

93 100

95 77.9 66.2 99.4

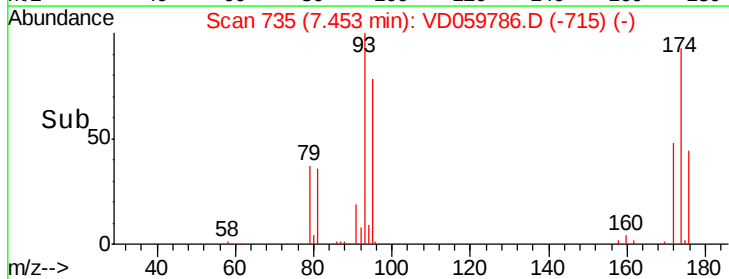
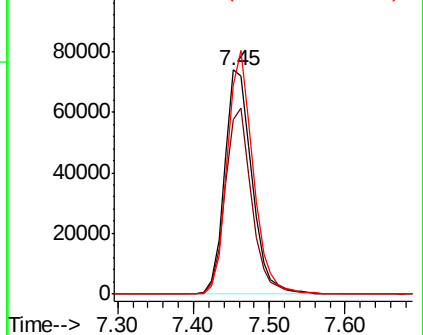
174 93.0 85.5 128.3

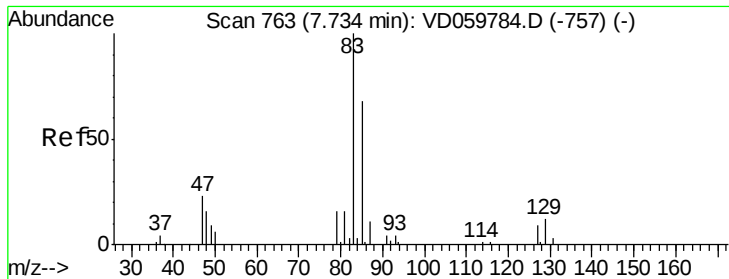


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 82.30 ug/l

RT: 7.74 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

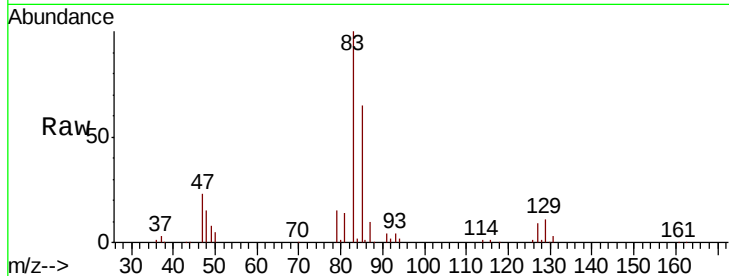
ClientSampleId :

VSTDIC100

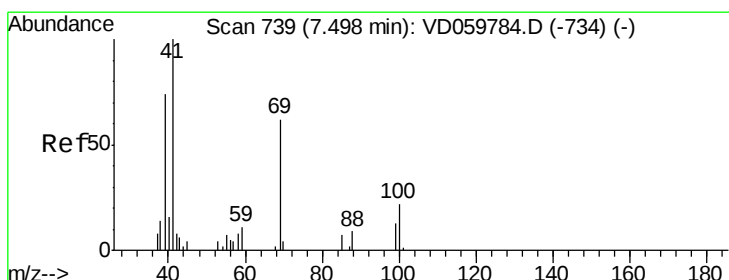
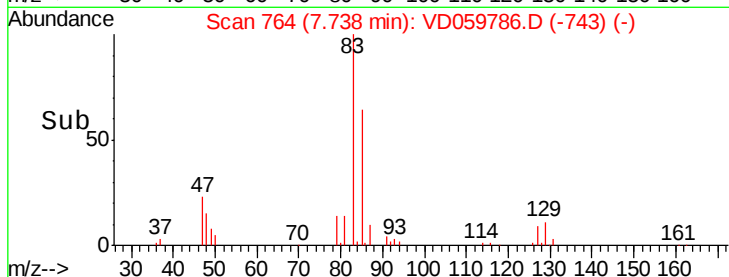
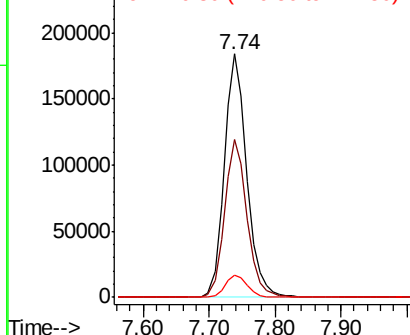
Tot Ion:	83	Resp:	438282
Ion Ratio	Lower	Upper	
83	100		
85	64.9	54.1	81.1
127	8.9	7.5	11.3

Manual Integrations
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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 100.74 ug/l

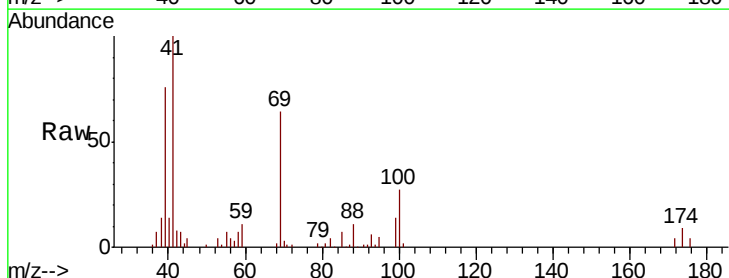
RT: 7.50 min Scan# 740

Delta R.T. 0.00 min

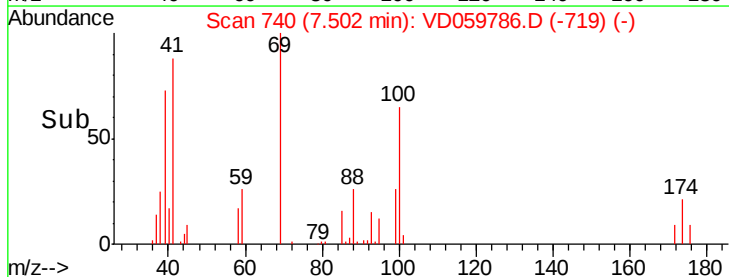
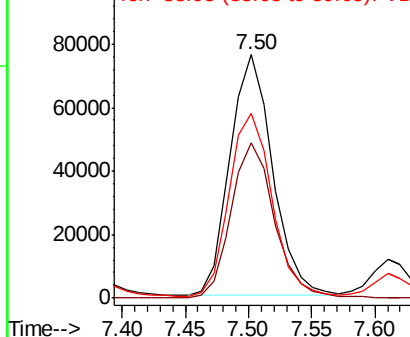
Lab File: VD059786.D

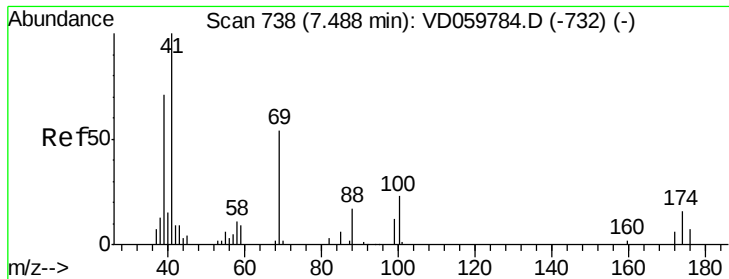
Acq: 15 Aug 2018 1:47

Tgt Ion:	41	Resp:	178005
Ion Ratio	Lower	Upper	
41	100		
69	63.7	49.8	74.8
39	76.0	59.0	88.4



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





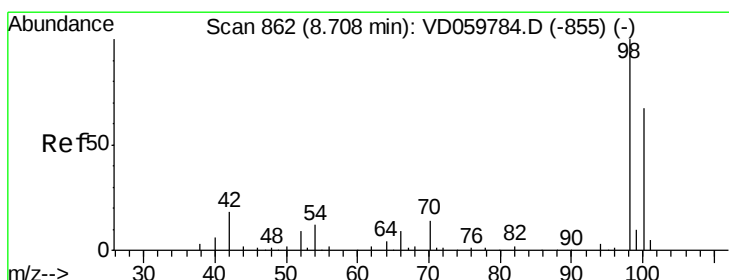
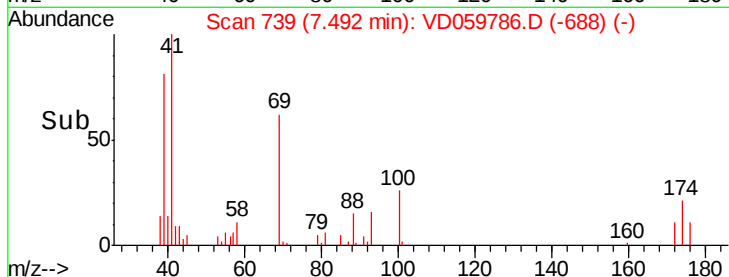
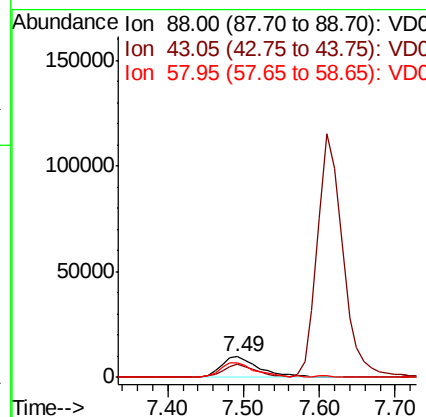
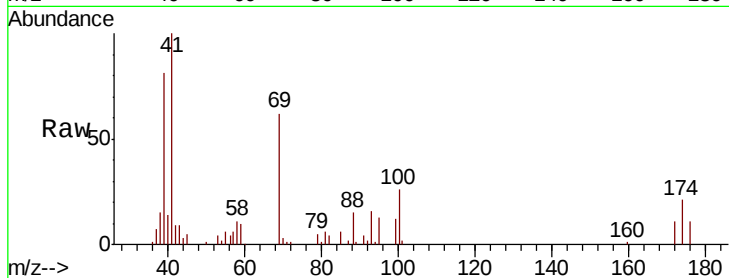
#49
1,4-Dioxane
Concen: 2712.52 ug/l
RT: 7.49 min Scan# 739
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	62.1	42.0	63.0
58	74.1	51.4	77.0

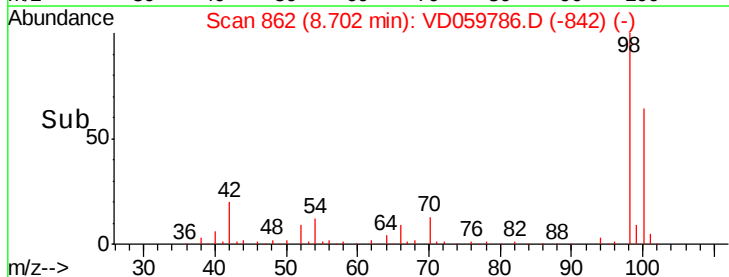
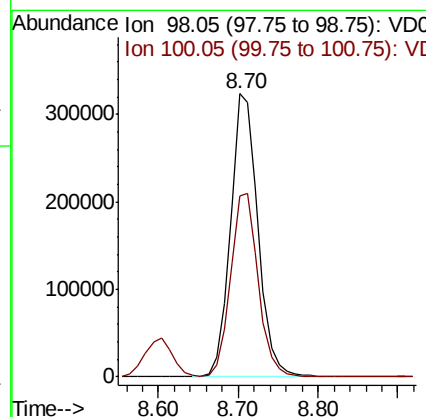
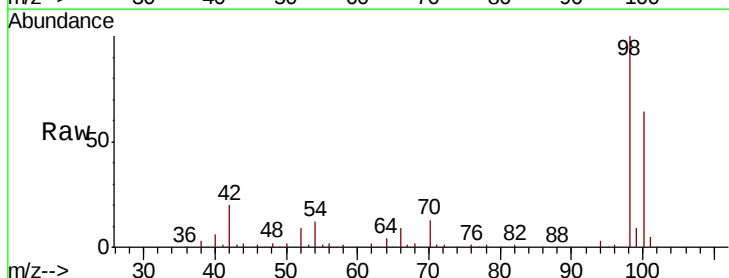
Manual Integrations
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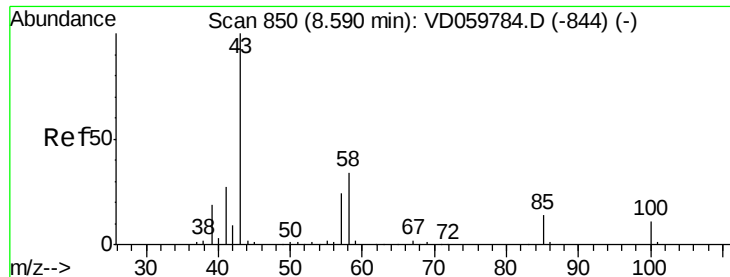
apatel
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#50
Toluene-d8
Concen: 2712.52 ug/l
RT: 8.70 min Scan# 862
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	54.2	81.4





#51

4-Methyl-2-Pentanone

Concen: 546.71 ug/l

RT: 8.59 min Scan# 851

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1035785

Ion Ratio Lower Upper

43 100

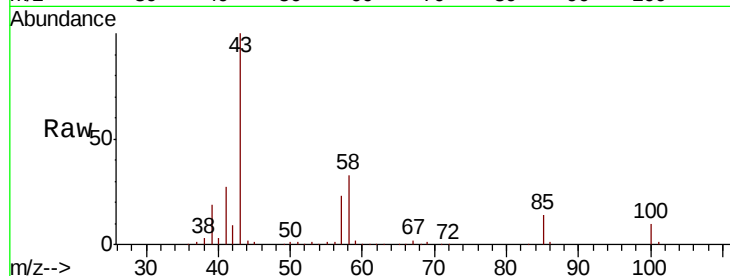
58 33.1 27.5 41.3

Manual Integrations

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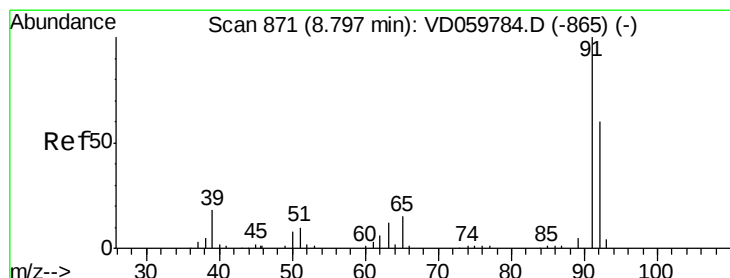
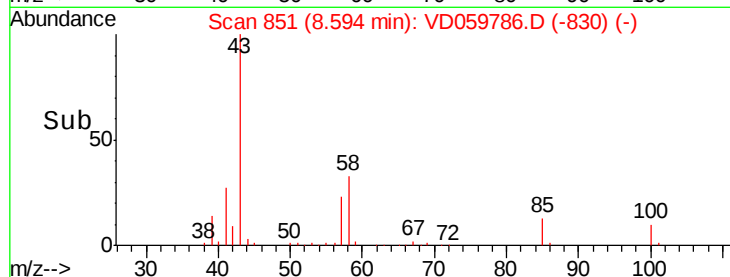
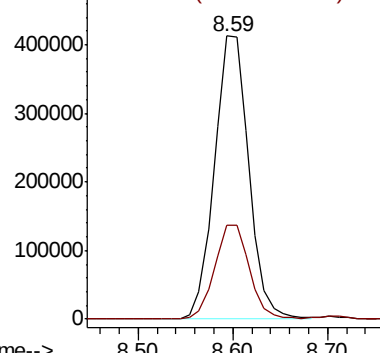
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 100.94 ug/l

RT: 8.80 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD059786.D

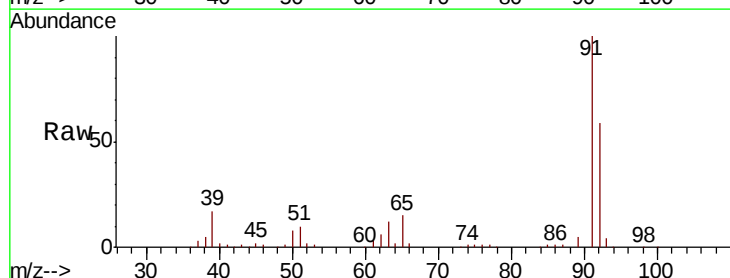
Acq: 15 Aug 2018 1:47

Tgt Ion: 92 Resp: 513674

Ion Ratio Lower Upper

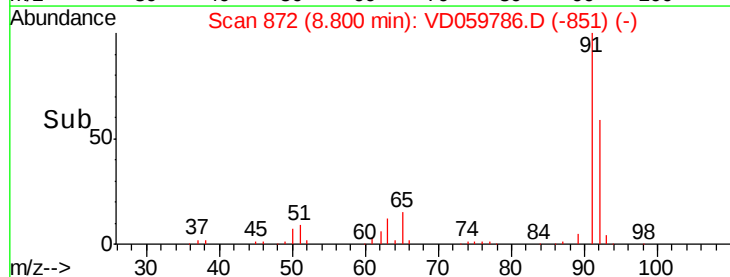
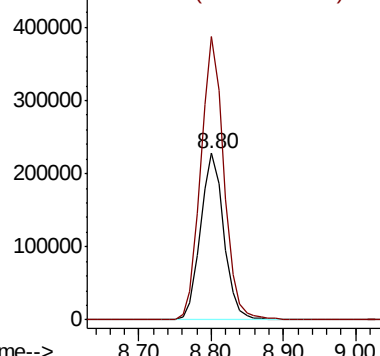
92 100

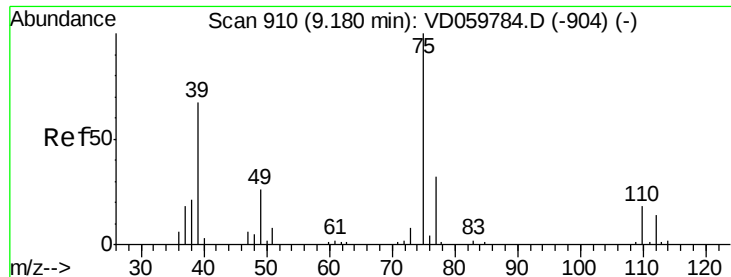
91 170.2 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 86.08 ug/l

RT: 9.18 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tot Ion: 75 Resp: 370025

Ion Ratio Lower Upper

75 100

77 29.8 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

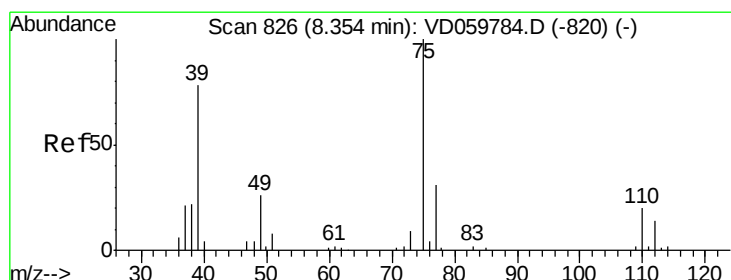
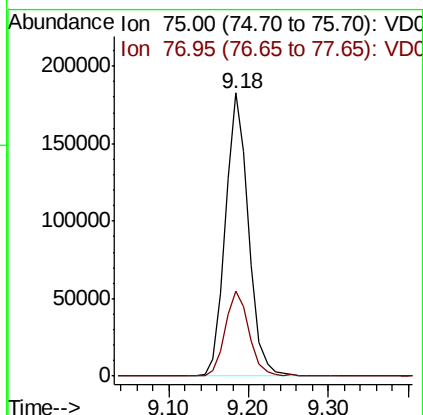
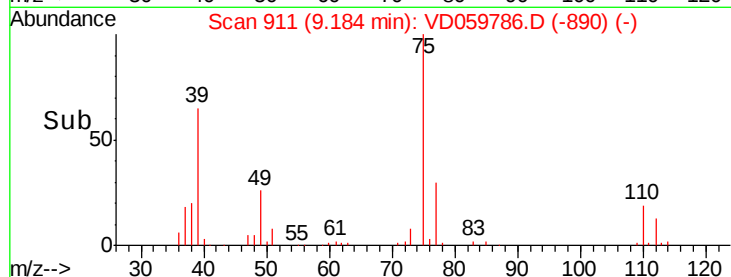
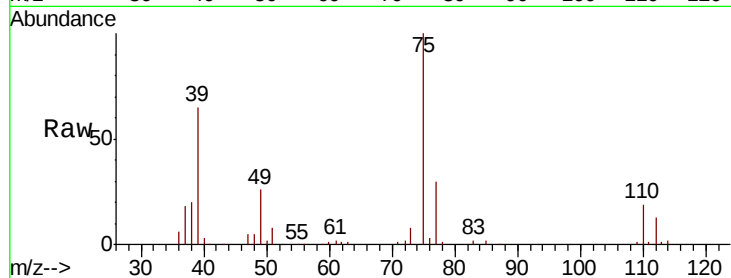
VSTDIC100

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 94.64 ug/l

RT: 8.36 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

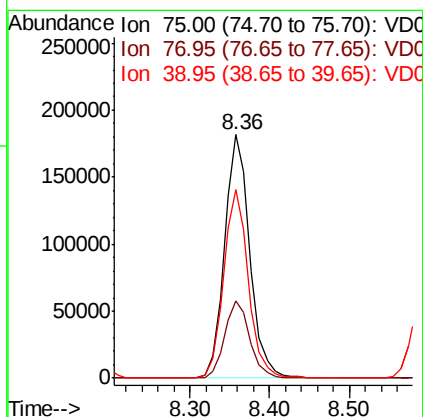
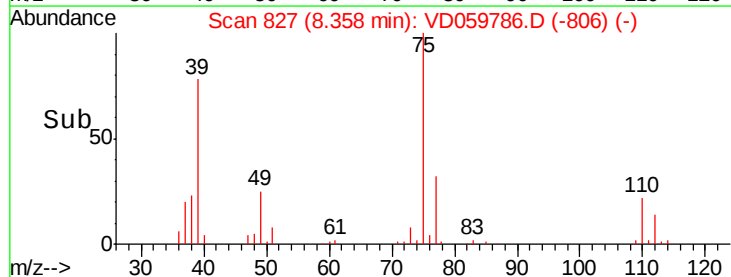
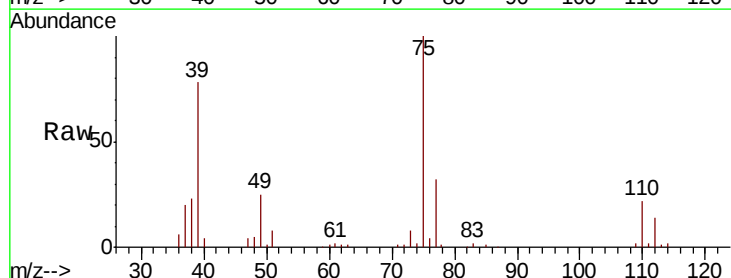
Tgt Ion: 75 Resp: 404255

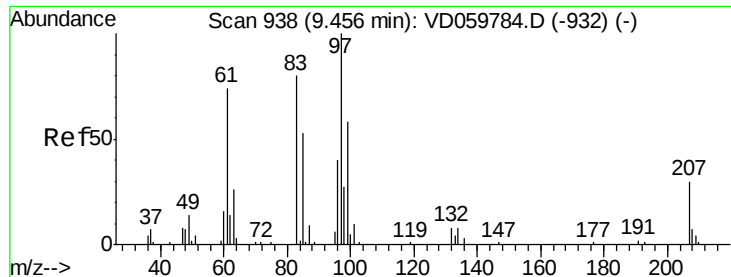
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 77.7 62.5 93.7





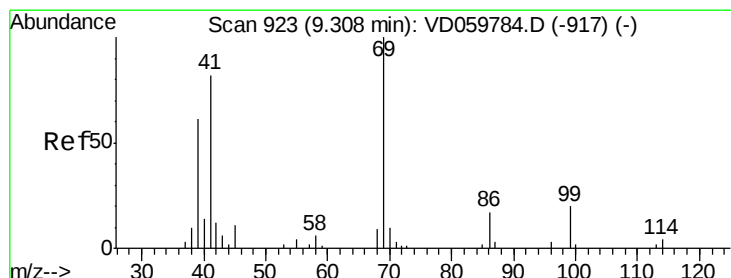
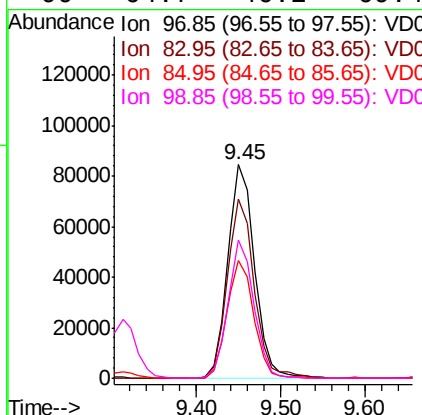
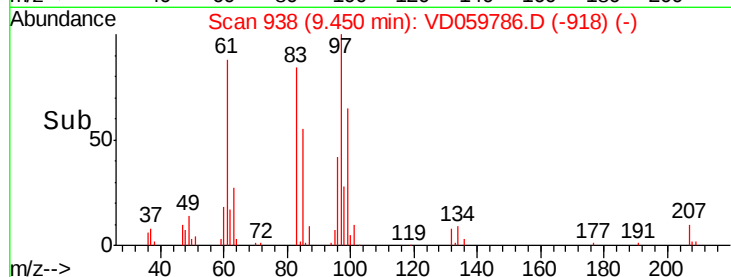
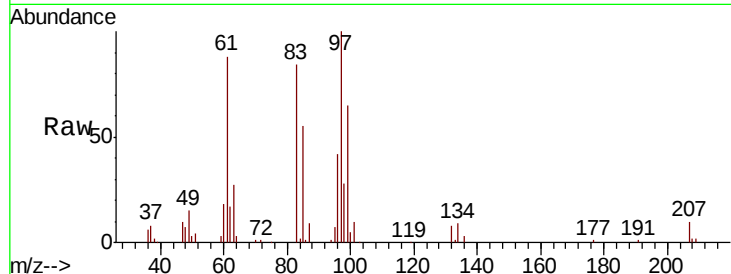
#55
 1,1,2-Trichloroethane
 Concen: 94.92 ug/l
 RT: 9.45 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		187406		
83	83.9	63.8	95.8		
85	55.1	42.5	63.7		
99	64.7	46.2	69.4		

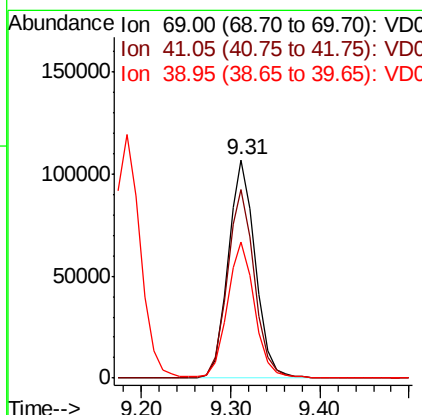
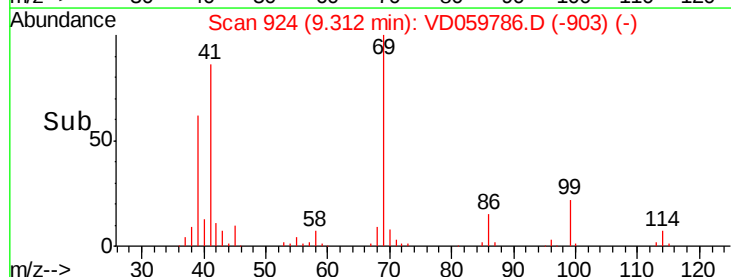
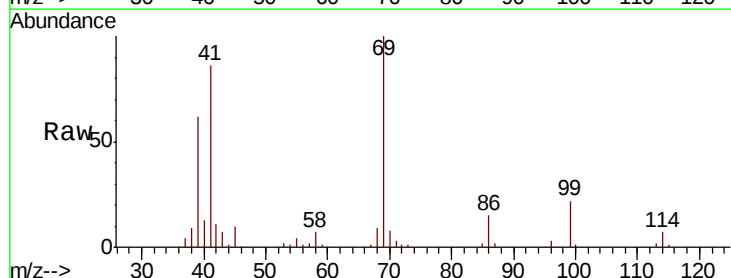
Manual Integrations
 APPROVED

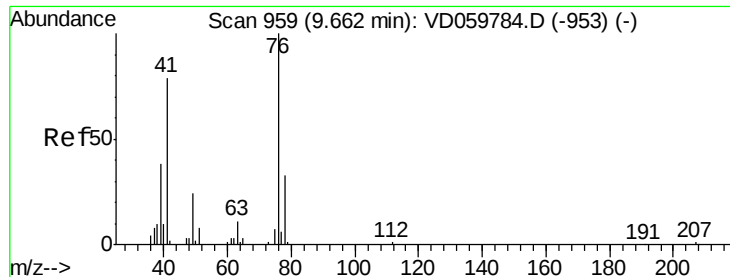
apatel
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#56
 Ethyl methacrylate
 Concen: 101.51 ug/l
 RT: 9.31 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		228404		
41	86.4	65.8	98.8		
39	62.3	49.7	74.5		





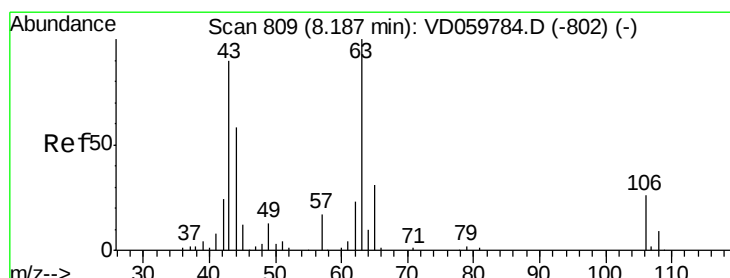
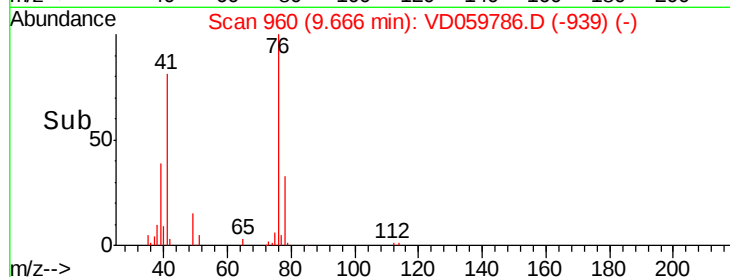
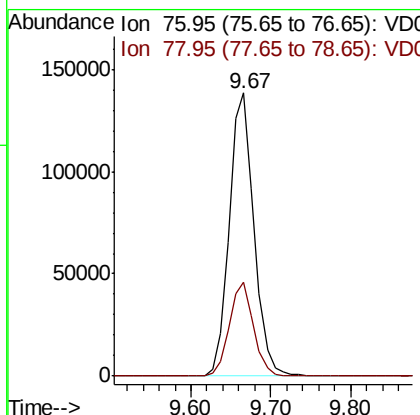
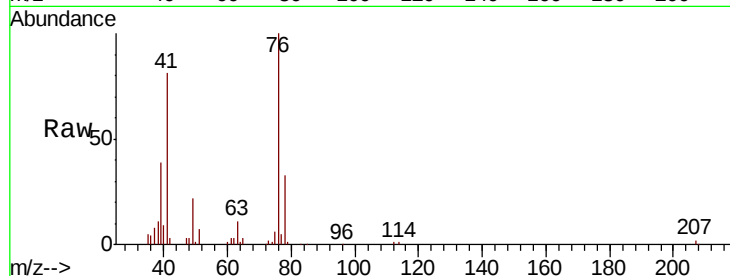
#57
 1,3-Dichloropropane
 Concen: 92.76 ug/l
 RT: 9.67 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.4	39.6

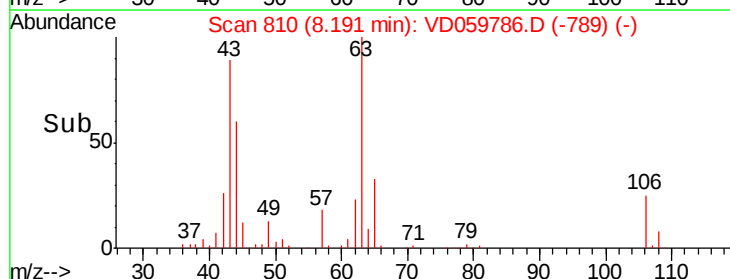
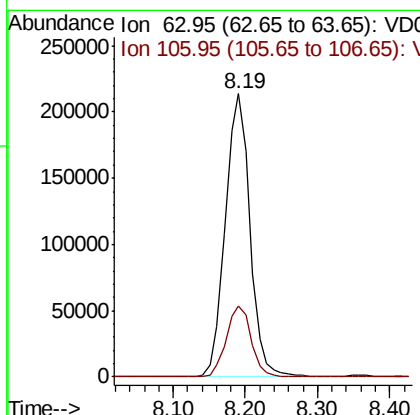
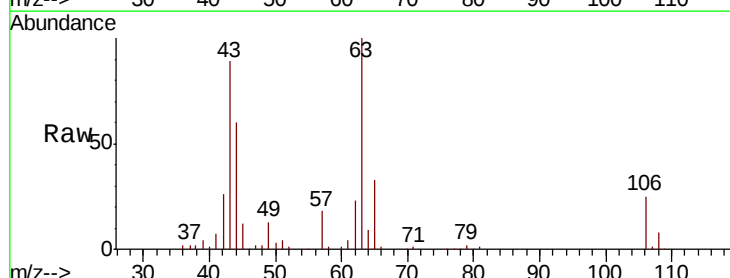
Manual Integrations
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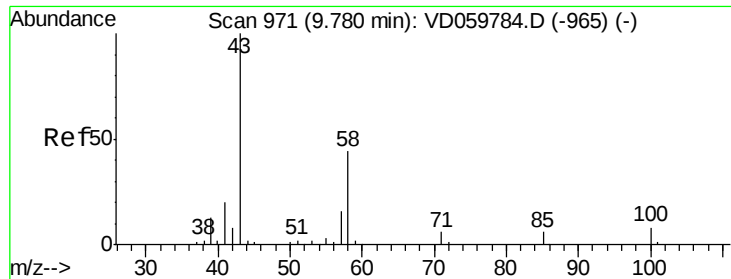
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 489.57 ug/l
 RT: 8.19 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	21.1	31.7





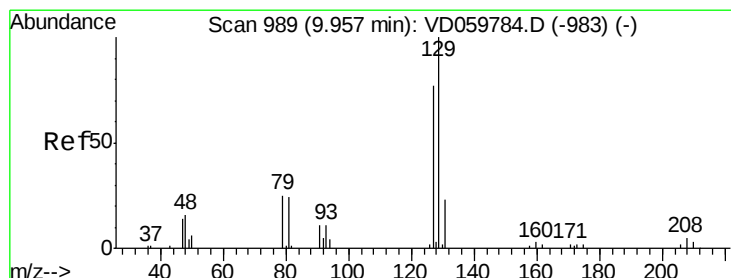
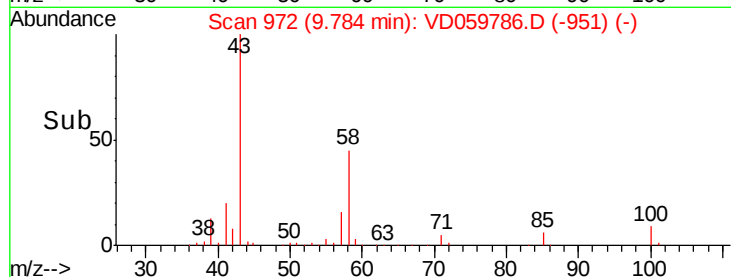
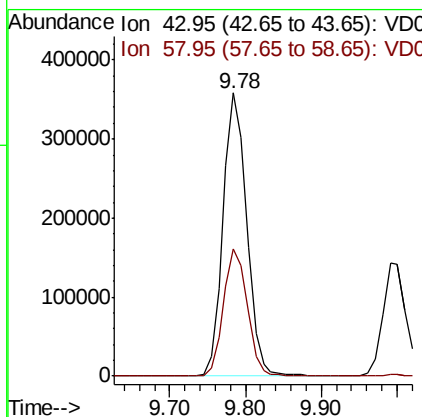
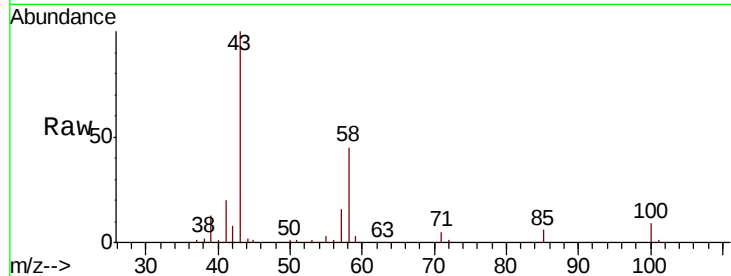
#59
2-Hexanone
Concen: 557.37 ug/l
RT: 9.78 min Scan# 972
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.1	22.3	66.8

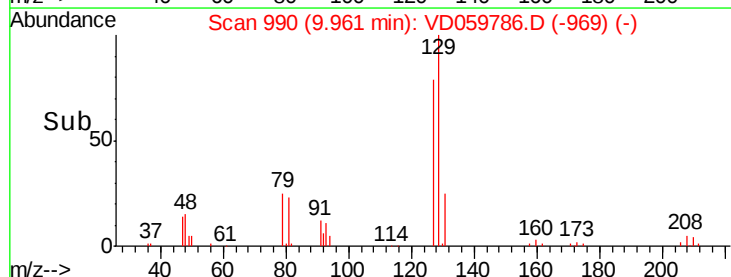
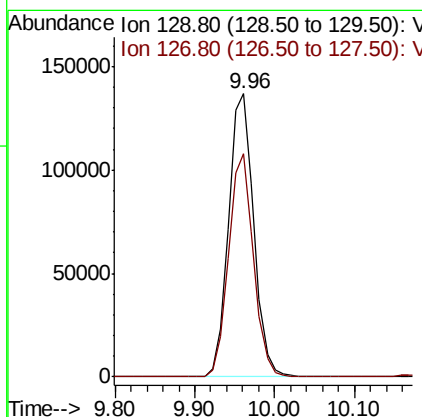
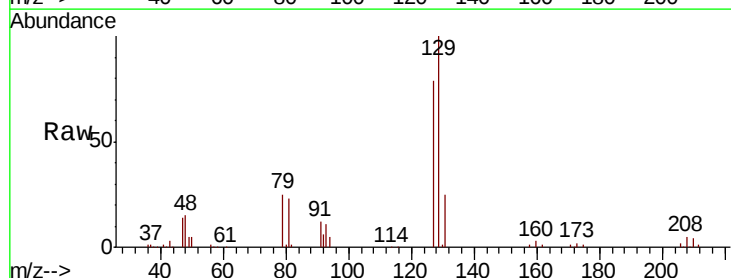
Manual Integrations
APPROVED

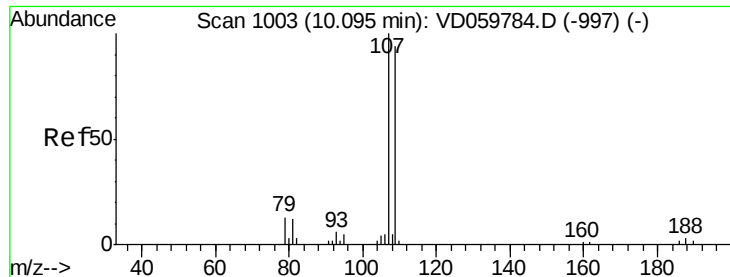
apatel
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#60
Dibromochloromethane
Concen: 83.26 ug/l
RT: 9.96 min Scan# 990
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.4	115.1





#61

1,2-Dibromoethane

Concen: 91.79 ug/l

RT: 10.09 min Scan# 1003

Delta R.T. -0.01 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampled :

VSTDICC100

Tot Ion: 107 Resp: 220621

Ion Ratio Lower Upper

107 100

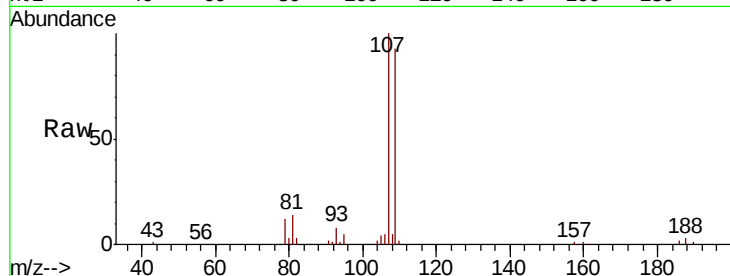
109 92.9 75.2 112.8

Manual Integrations

APPROVED

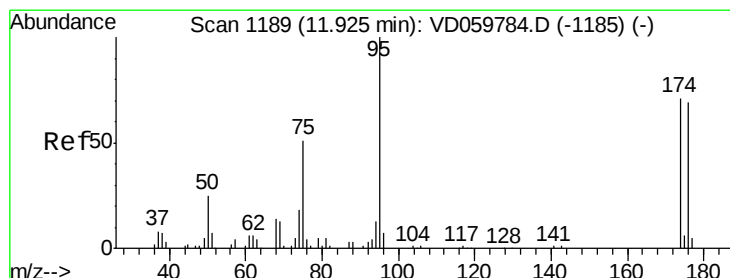
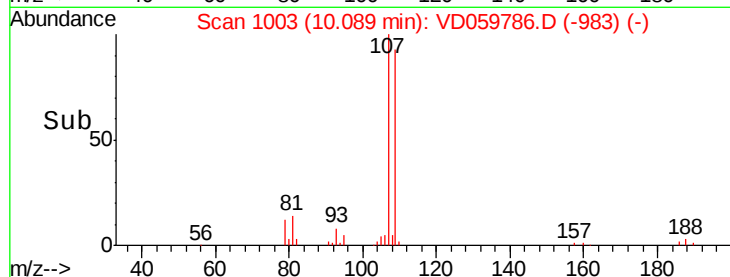
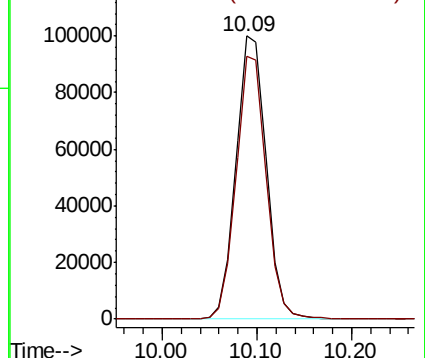
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 91.79 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

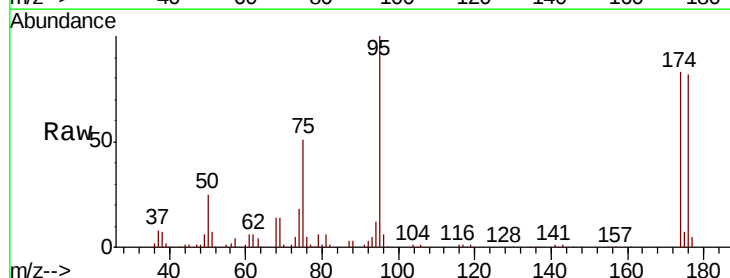
Tgt Ion: 95 Resp: 328921

Ion Ratio Lower Upper

95 100

174 83.1 0.0 142.2

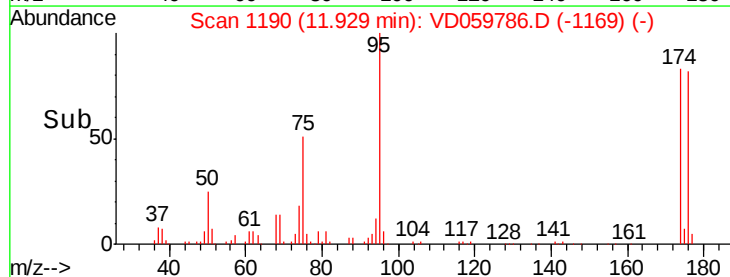
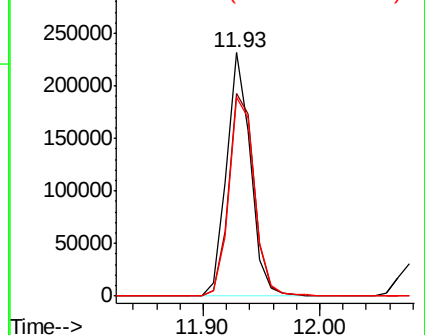
176 81.7 0.0 137.4

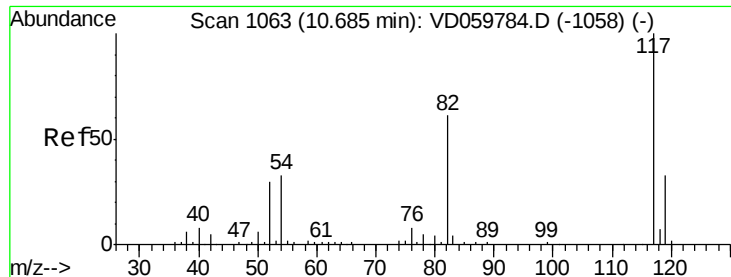


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





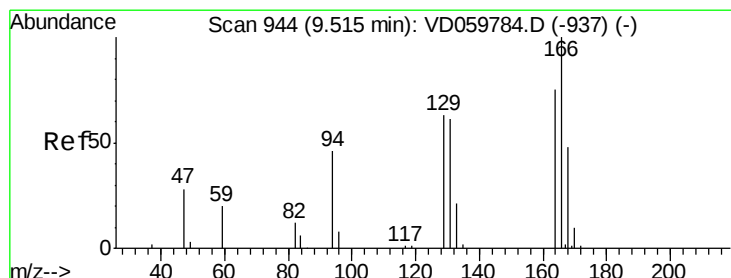
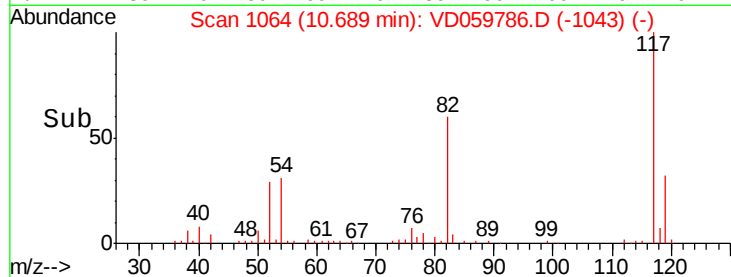
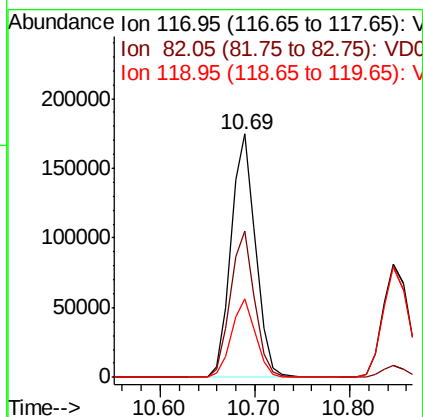
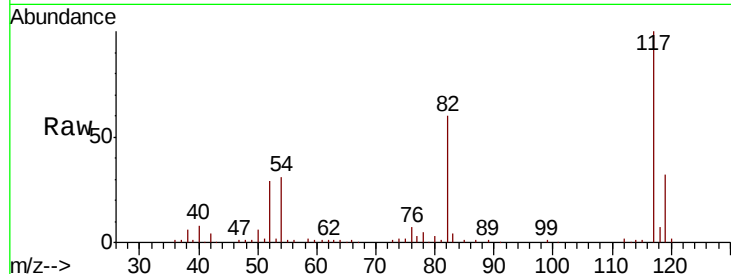
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	49.0	73.6
119	32.1	26.2	39.2

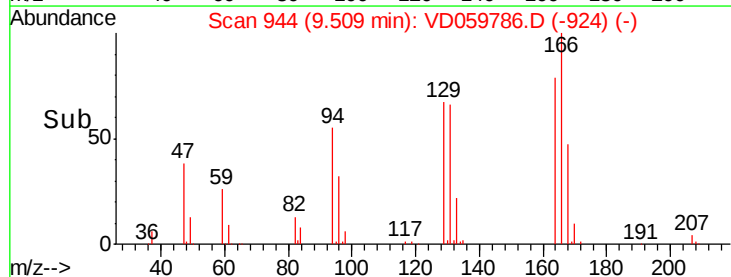
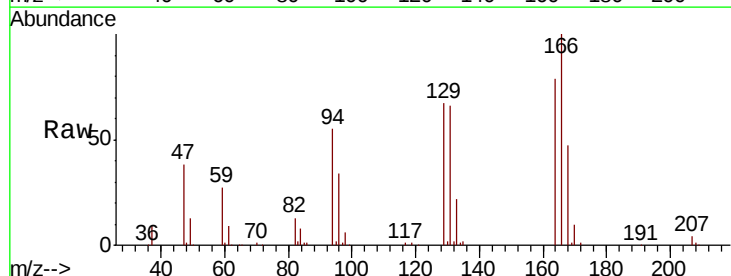
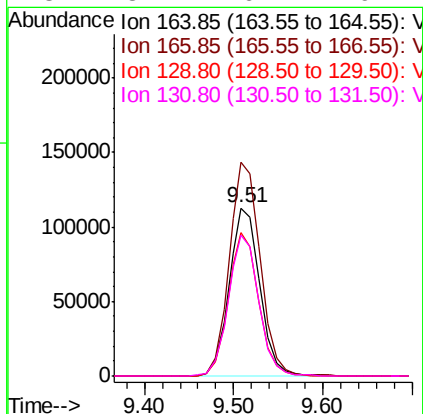
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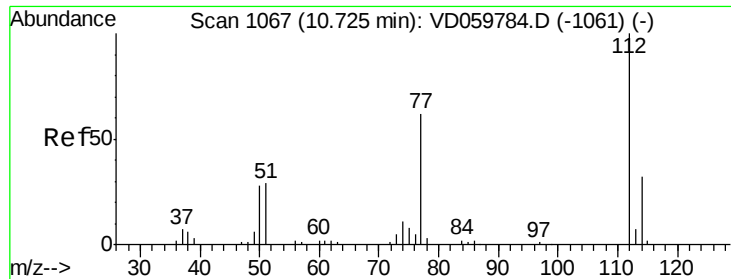
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#64
Tetrachloroethene
Concen: 90.24 ug/l
RT: 9.51 min Scan# 944
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	106.8	160.2
129	85.3	67.2	100.8
131	84.2	64.7	97.1





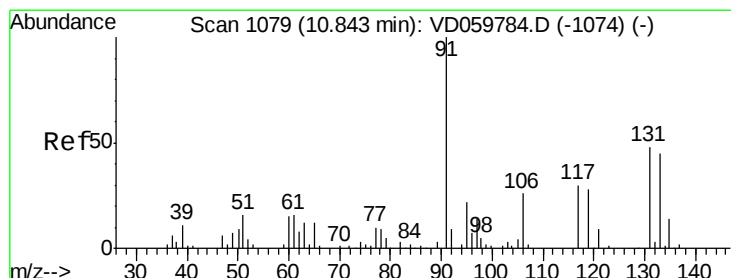
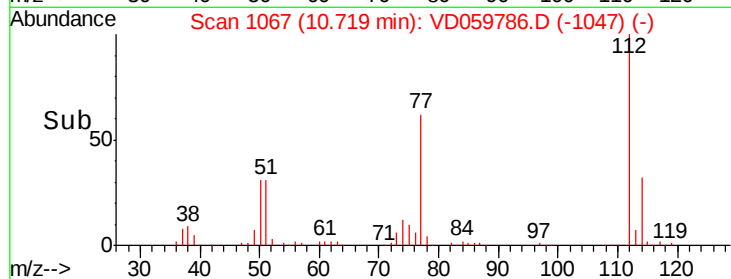
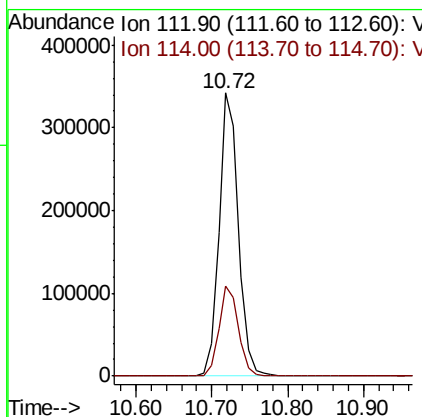
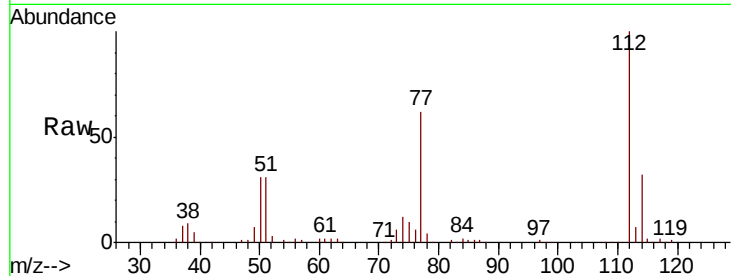
#65
Chlorobenzene
Concen: 96.10 ug/l
RT: 10.72 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

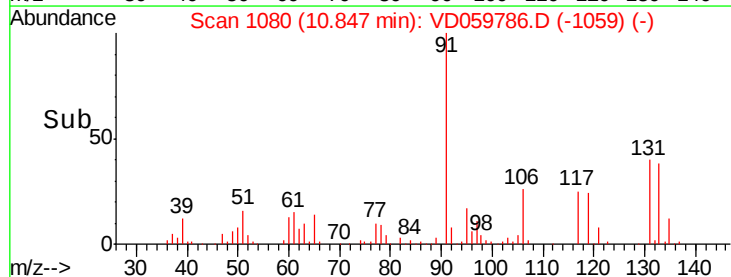
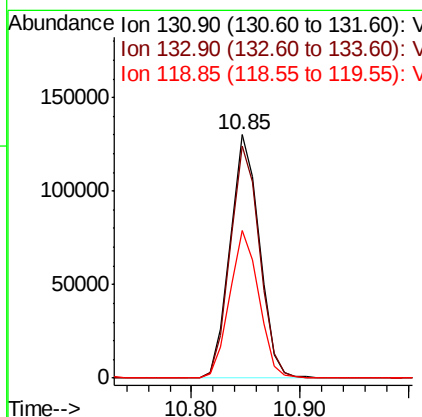
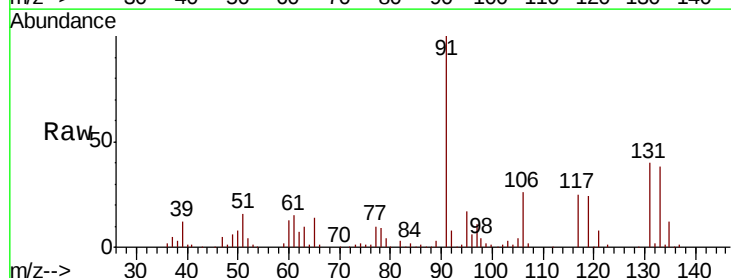
Manual Integrations
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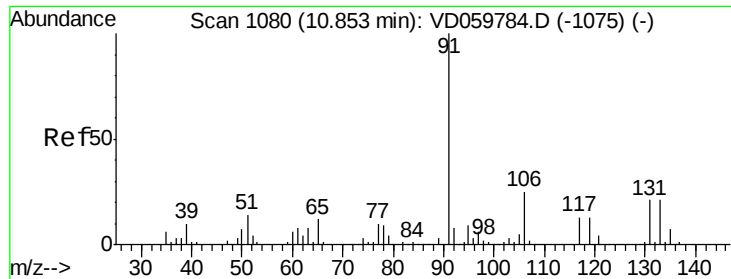
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#66
1,1,1,2-Tetrachloroethane
Concen: 79.46 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.0	141.0
119	60.8	29.0	87.1





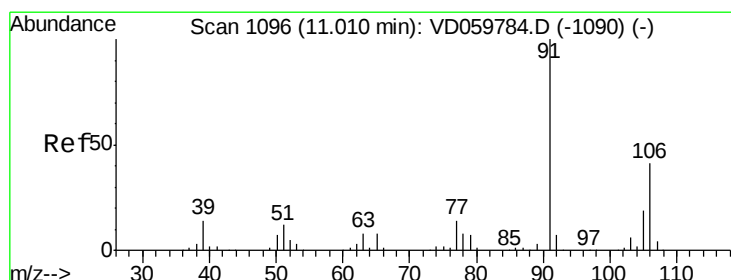
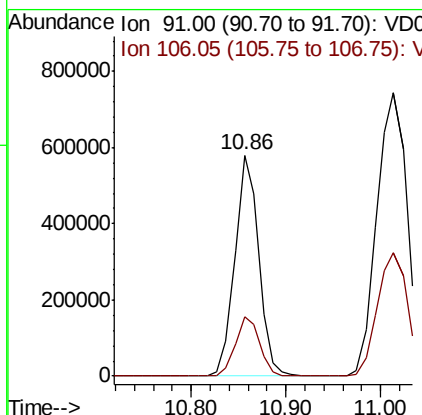
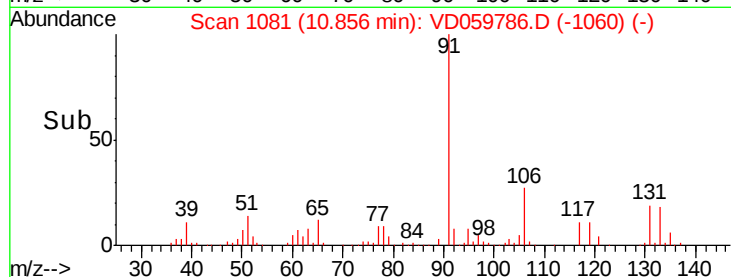
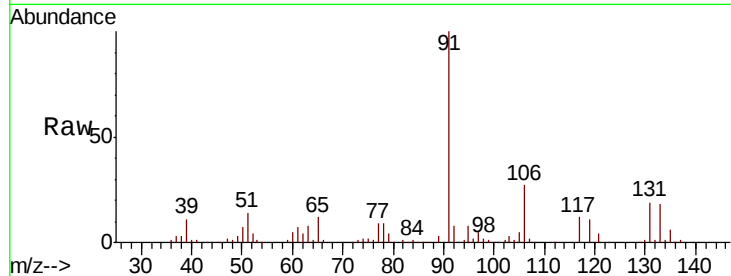
#67
Ethyl Benzene
Concen: 86.32 ug/l
RT: 10.86 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1008522
Ion Ratio Lower Upper
91 100
106 27.2 20.1 30.1

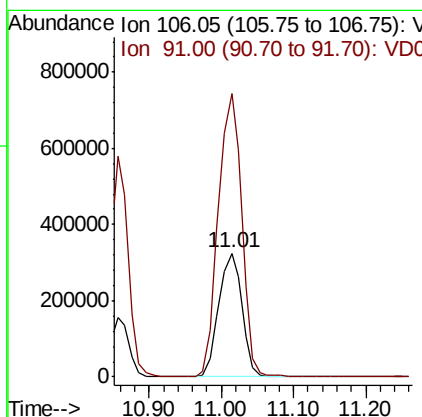
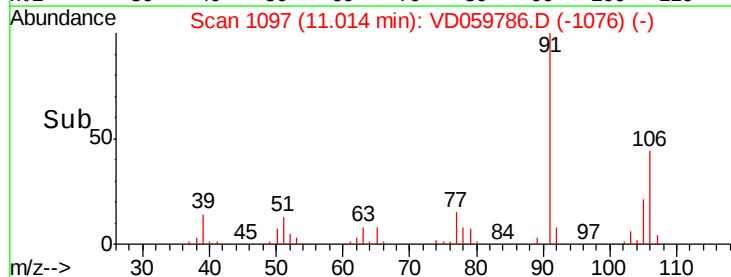
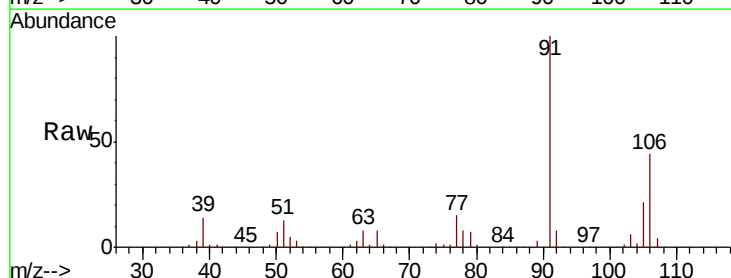
Manual Integrations
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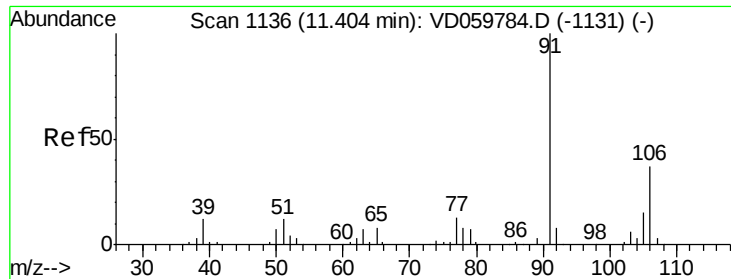
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#68
m/p-Xylenes
Concen: 188.42 ug/l
RT: 11.01 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion: 106 Resp: 721033
Ion Ratio Lower Upper
106 100
91 229.1 197.4 296.0





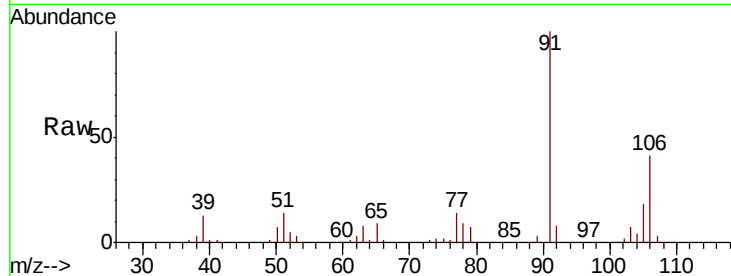
#69
o-Xylene
Concen: 93.00 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

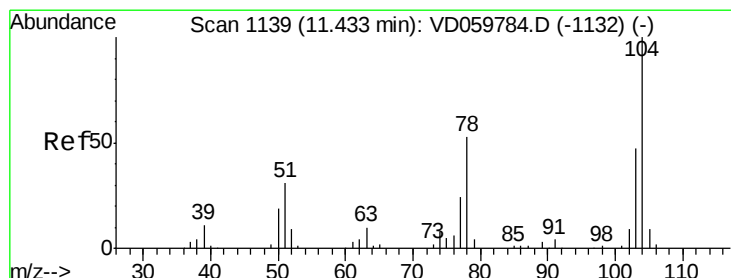
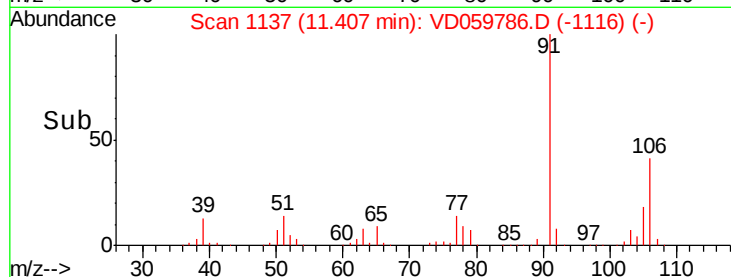
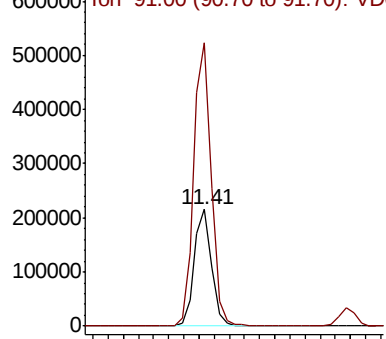
Tot Ion:106 Resp: 343852
Ion Ratio Lower Upper
106 100
91 242.1 133.7 401.1

Manual Integrations
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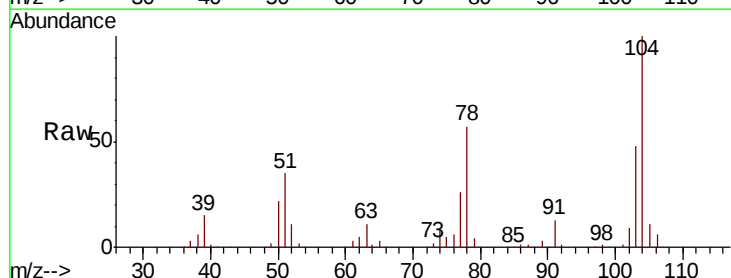


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

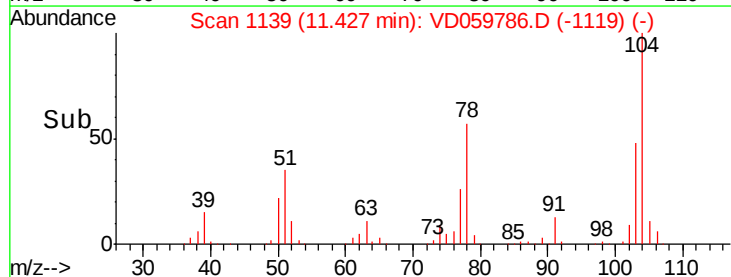
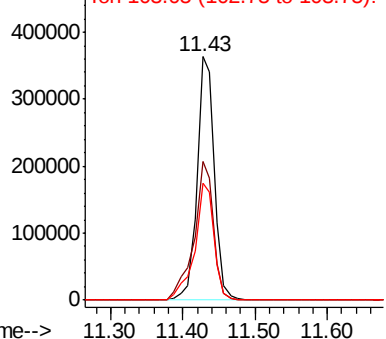


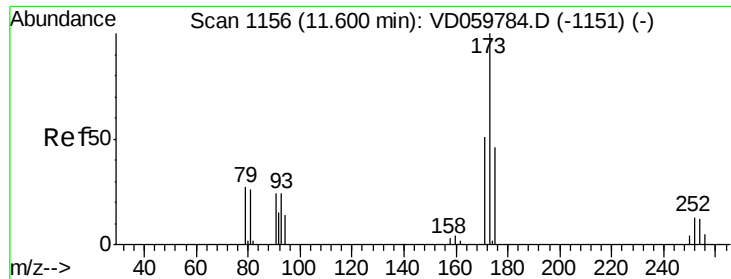
#70
Styrene
Concen: 97.40 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion:104 Resp: 596843
Ion Ratio Lower Upper
104 100
78 57.2 42.6 64.0
103 47.8 37.8 56.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





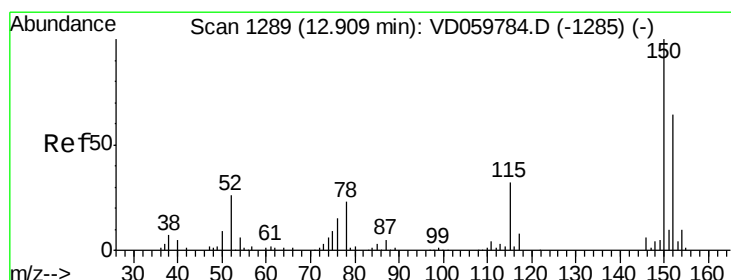
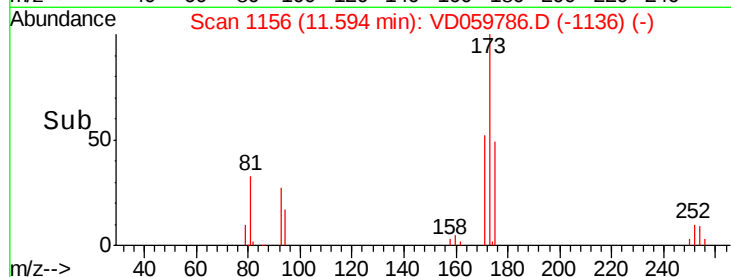
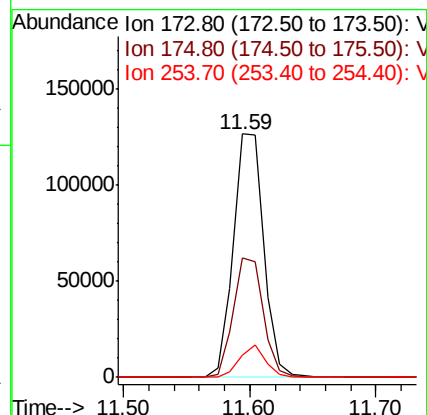
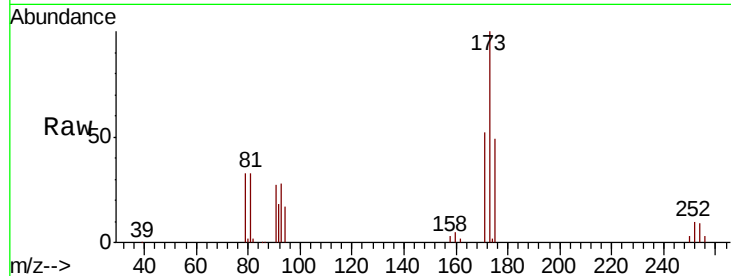
#71
Bromoform
Concen: 91.09 ug/l
RT: 11.59 min Scan# 1156
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.1	69.2
254	9.4	9.7	14.5

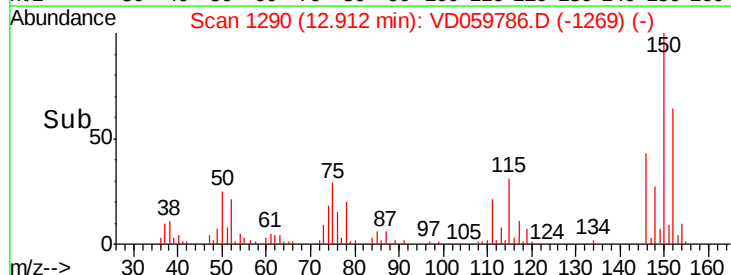
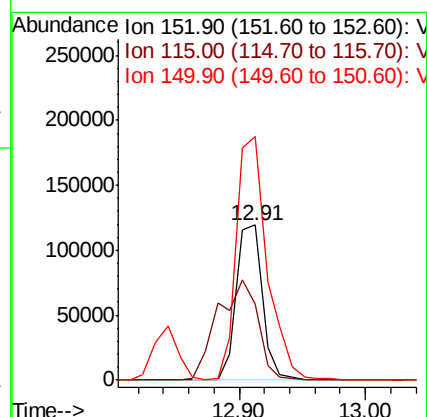
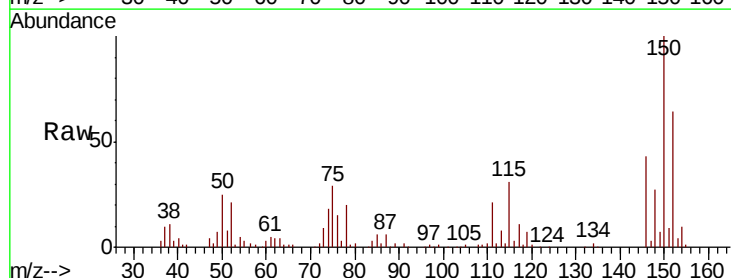
Manual Integrations
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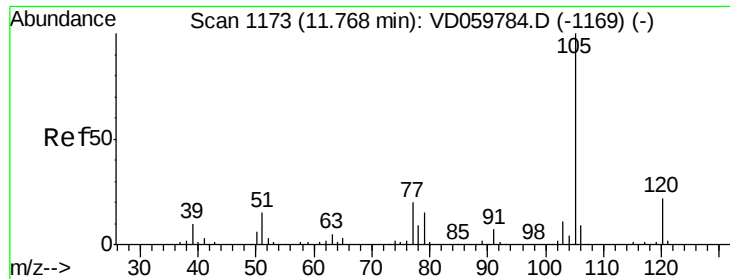
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.0	27.2	81.5
150	157.3	0.0	312.4





#73

Isopropylbenzene

Concen: 92.31 ug/l

RT: 11.77 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1053421

Ion Ratio Lower Upper

105 100

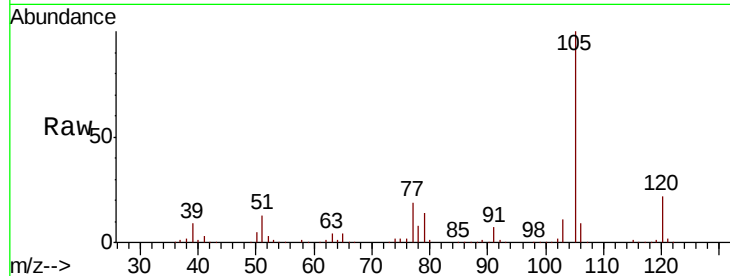
120 21.8 10.9 32.6

Manual Integrations

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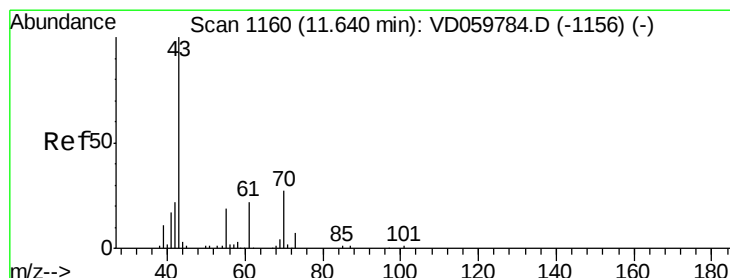
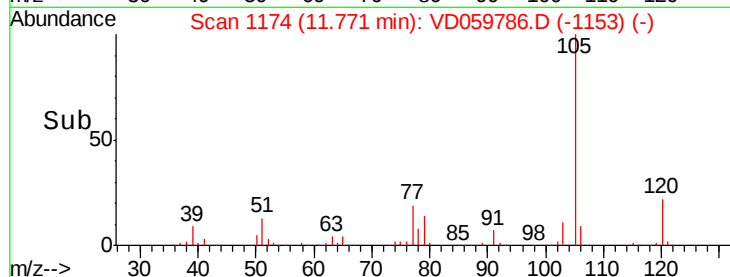
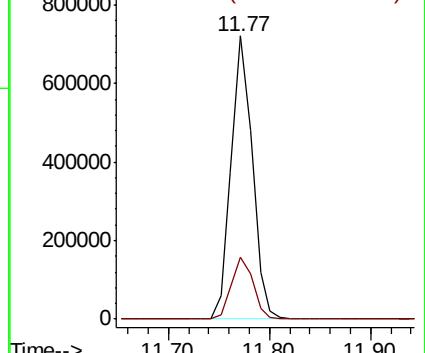
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 109.58 ug/l

RT: 11.64 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion: 43 Resp: 360908

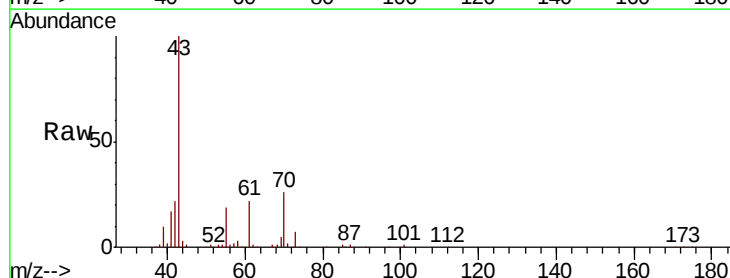
Ion Ratio Lower Upper

43 100

70 26.3 21.8 32.6

55 19.1 15.1 22.7

61 22.5 18.0 27.0

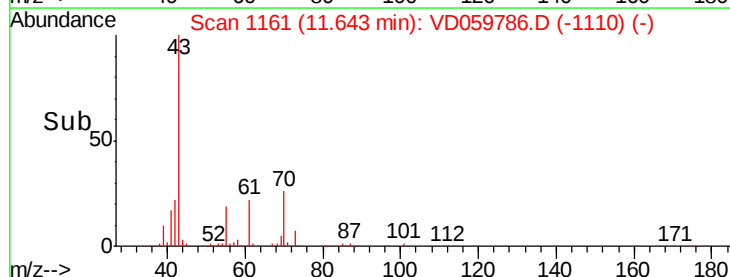
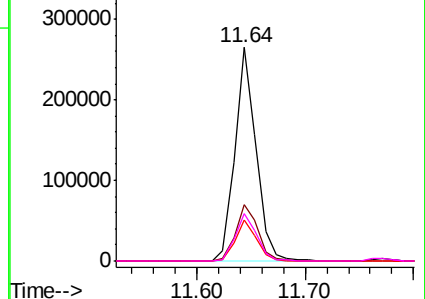


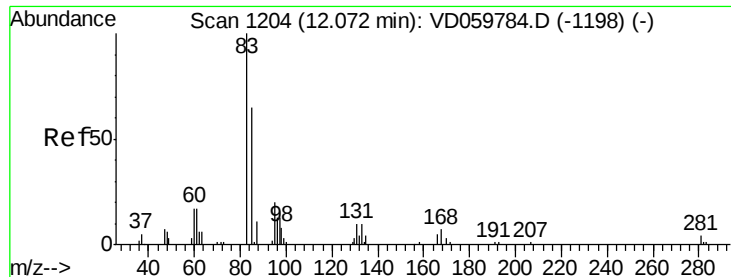
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 101.34 ug/l

RT: 12.08 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

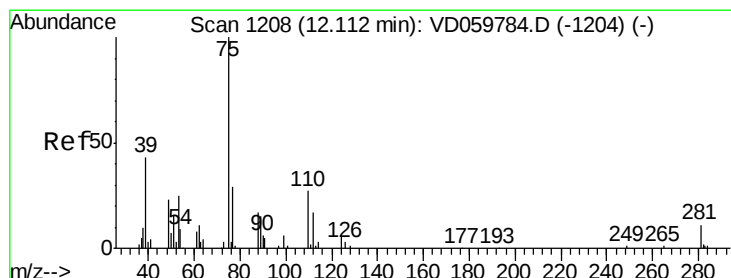
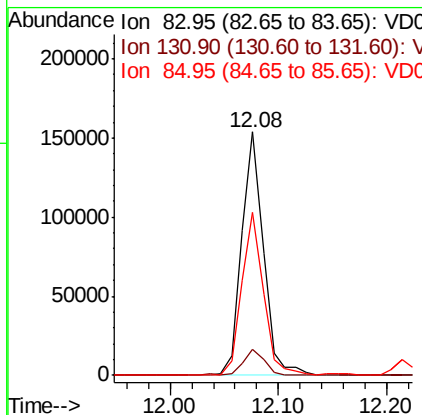
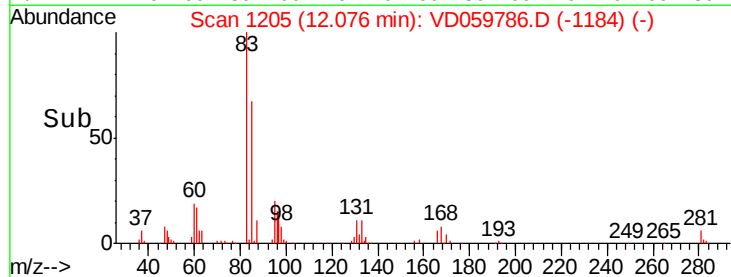
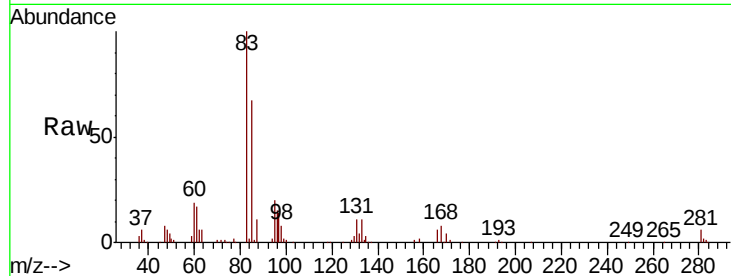
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	214185
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	67.1	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 97.64 ug/l

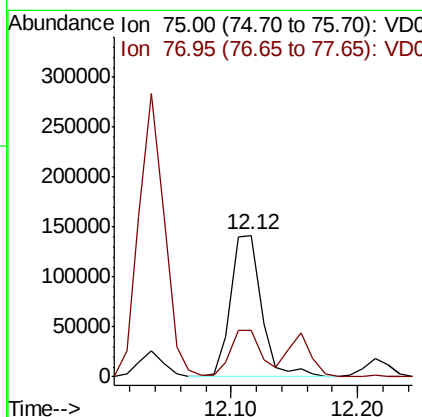
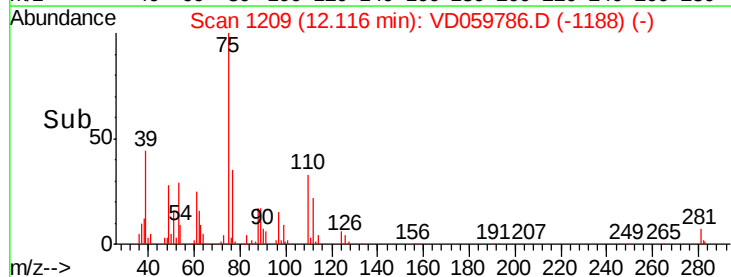
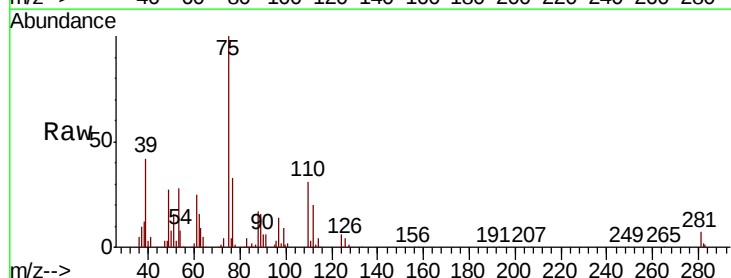
RT: 12.12 min Scan# 1209

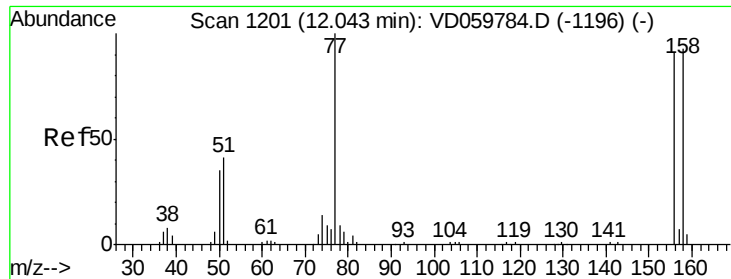
Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion:	75	Resp:	239254
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.2	48.6





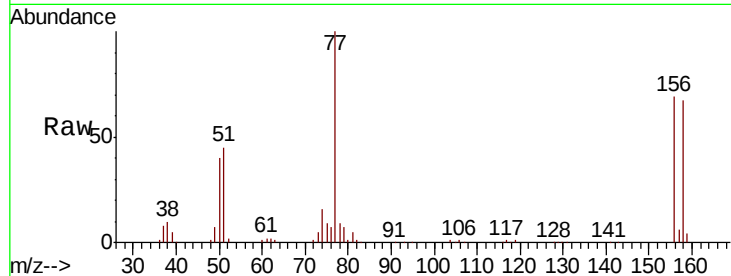
#77
Bromobenzene
Concen: 87.71 ug/l
RT: 12.04 min Scan# 1201
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

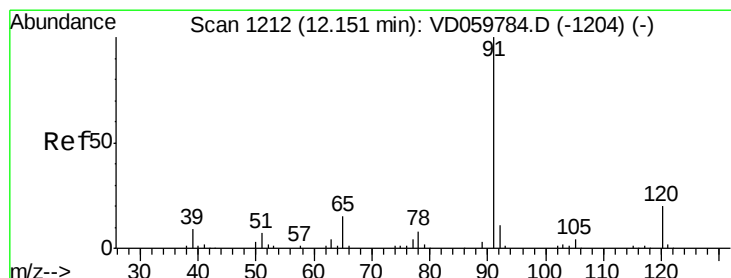
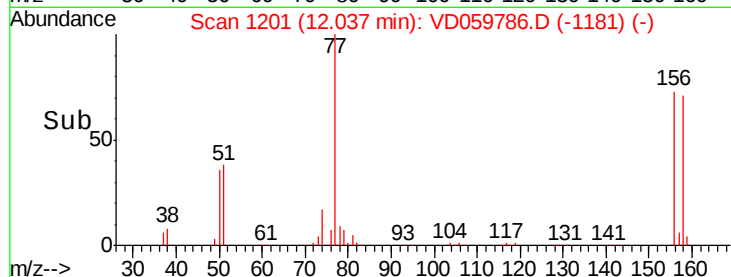
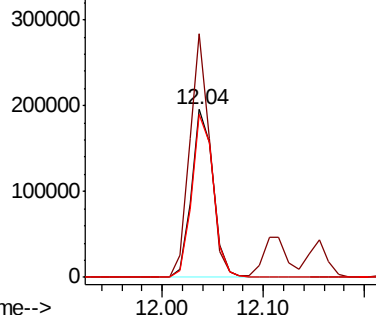
Tot Ion	Ratio	Lower	Upper
156	100		
77	145.2	54.9	164.8
158	97.3	51.2	153.6

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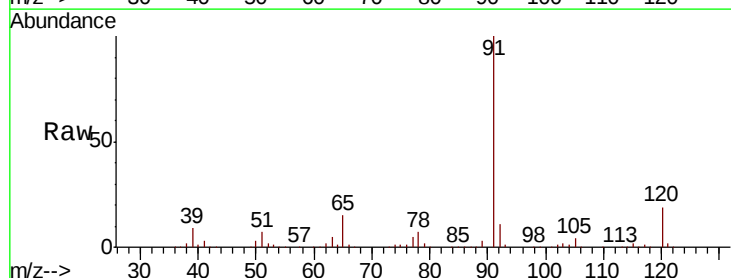


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

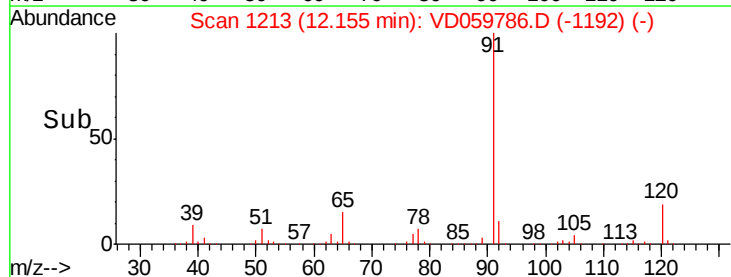
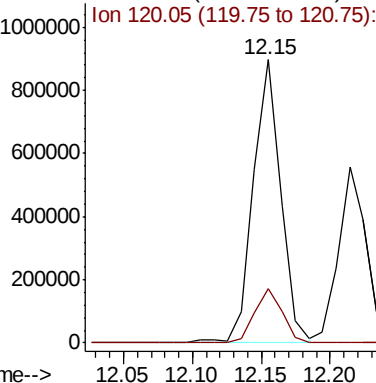


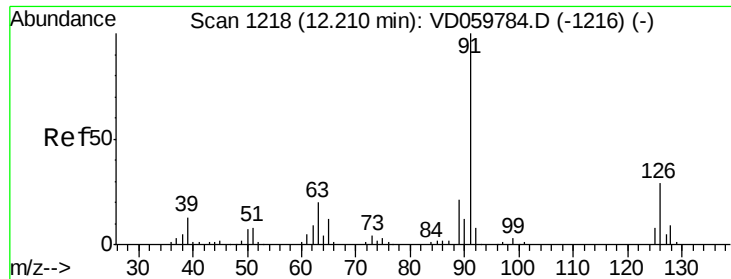
#78
n-propylbenzene
Concen: 88.53 ug/l
RT: 12.15 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.3	9.8	29.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





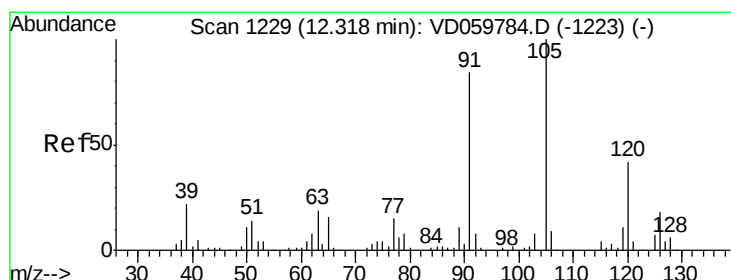
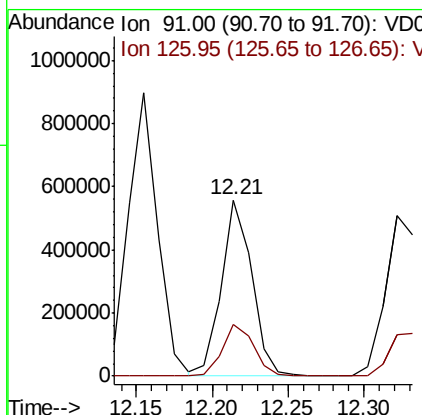
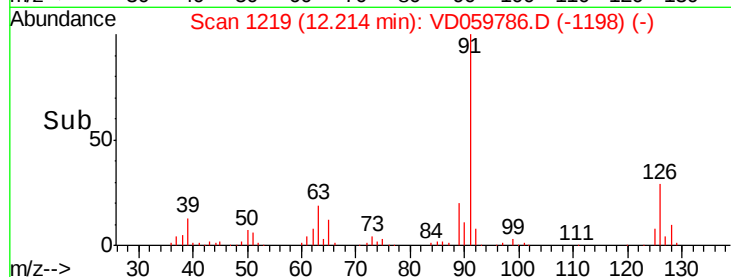
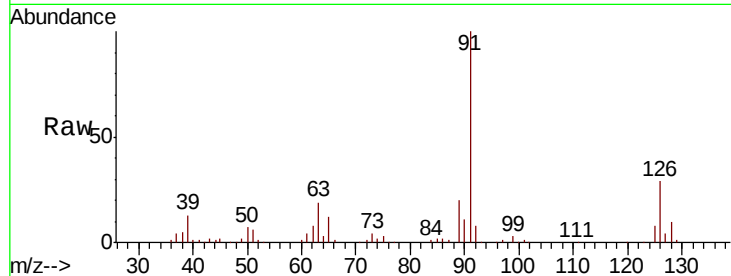
#79
 2-Chlorotoluene
 Concen: 88.49 ug/l
 RT: 12.21 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 777506
 Ion Ratio Lower Upper
 91 100
 126 29.0 14.0 41.9

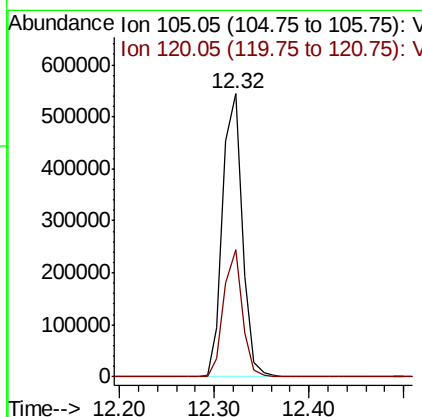
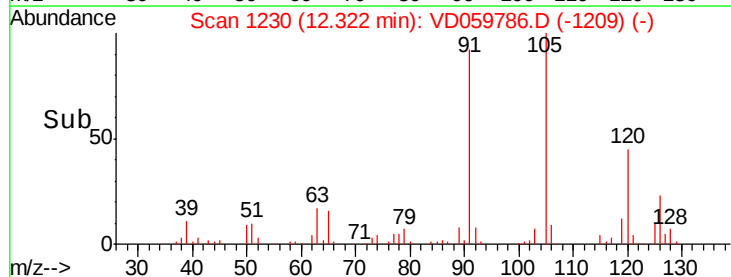
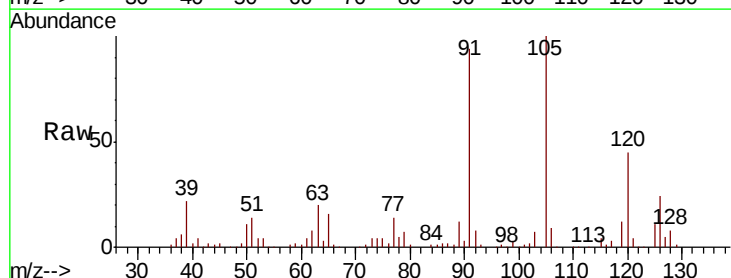
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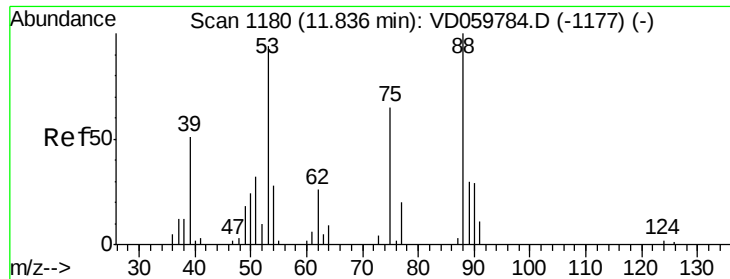
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#80
 1,3,5-Trimethylbenzene
 Concen: 80.58 ug/l
 RT: 12.32 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion: 105 Resp: 789007
 Ion Ratio Lower Upper
 105 100
 120 45.2 20.8 62.5





#81

trans-1,4-Dichloro-2-butene

Concen: 117.15 ug/l

RT: 11.84 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 66453

Ion Ratio Lower Upper

75 100

53 129.4 116.2 174.2

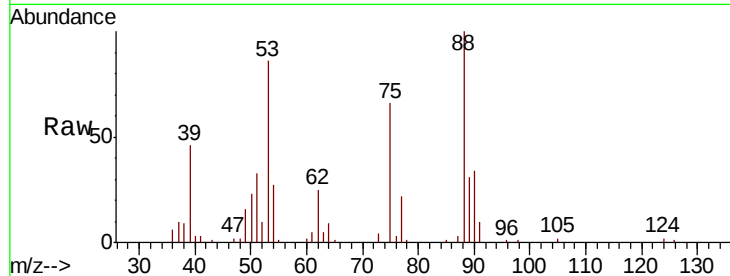
89 47.5 37.0 55.6

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

150000

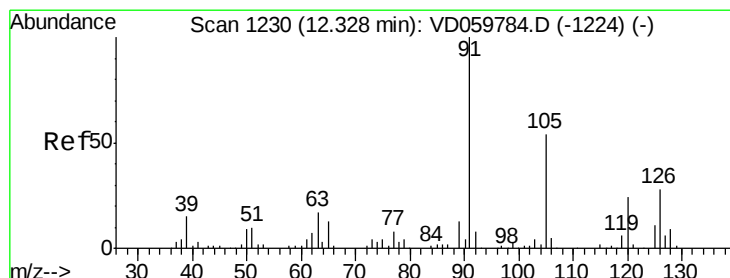
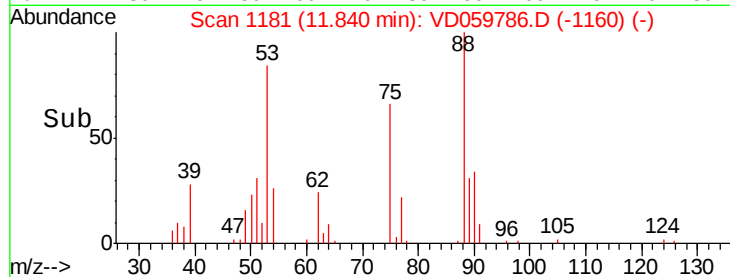
100000

50000

0

11.80 11.85 11.90

Time-->



#82

4-Chlorotoluene

Concen: 77.10 ug/l

RT: 12.32 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059786.D

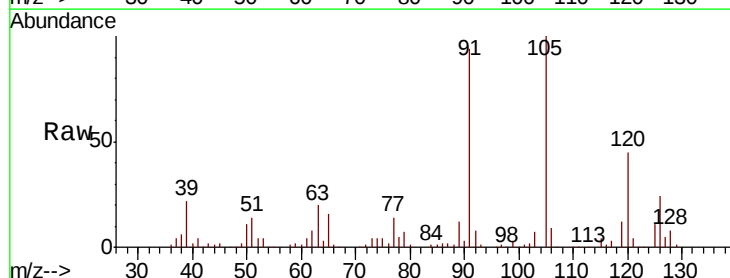
Acq: 15 Aug 2018 1:47

Tgt Ion: 91 Resp: 789736

Ion Ratio Lower Upper

91 100

126 25.9 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

600000

500000

400000

300000

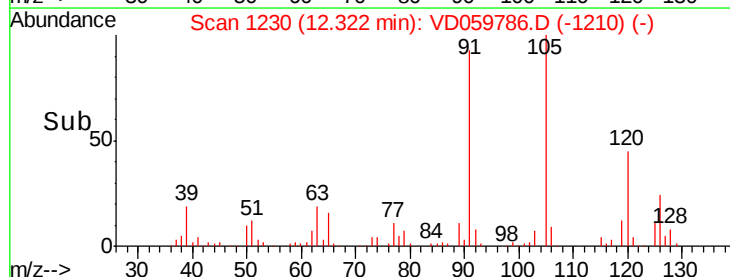
200000

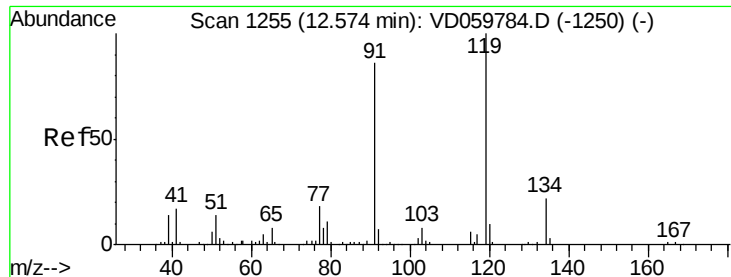
100000

0

12.30 12.40

Time-->





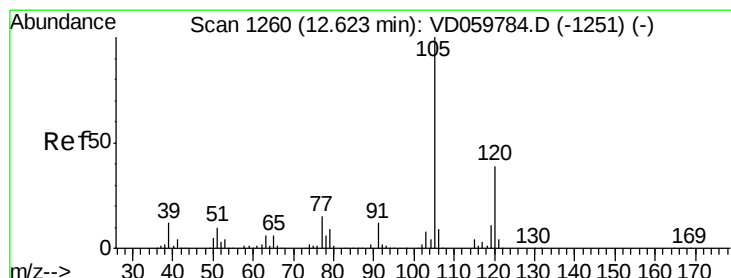
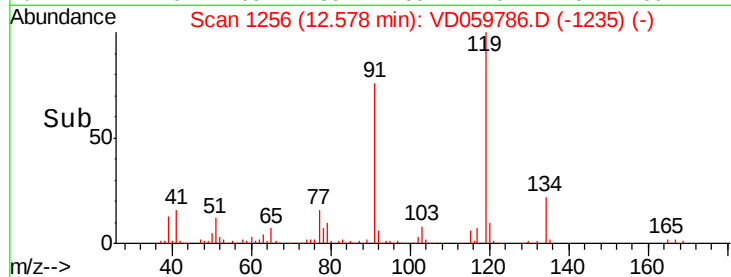
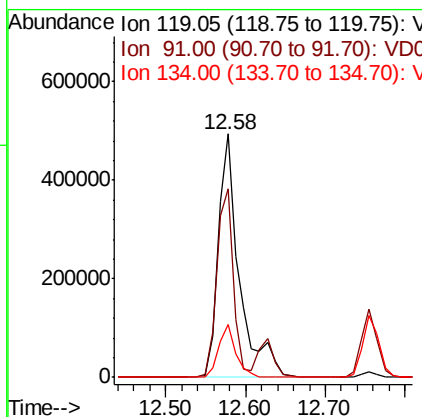
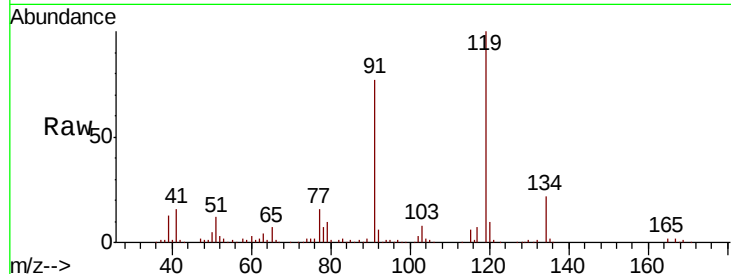
#83
 tert-Butylbenzene
 Concen: 85.84 ug/l
 RT: 12.58 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	917296		
91	77.3	43.1	129.3	
134	21.5	11.2	33.5	

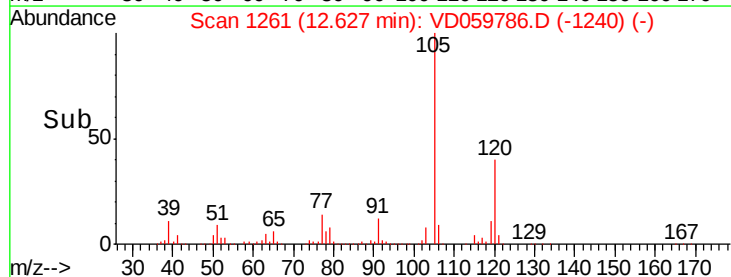
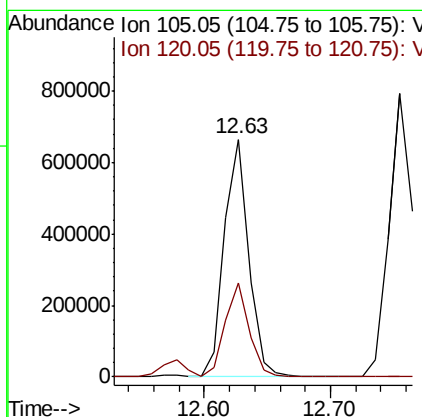
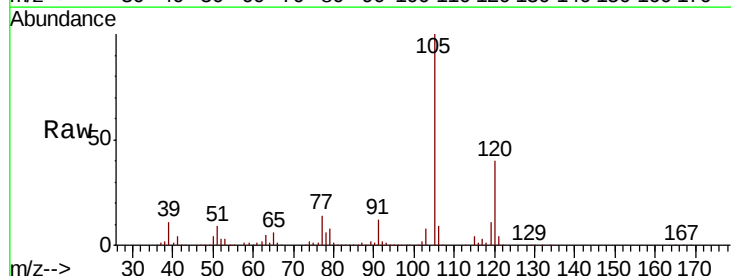
Manual Integrations
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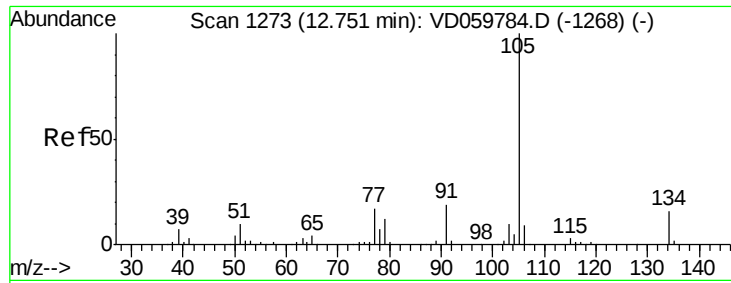
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 87.35 ug/l
 RT: 12.63 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	883789		
120	39.5	19.6	58.8	





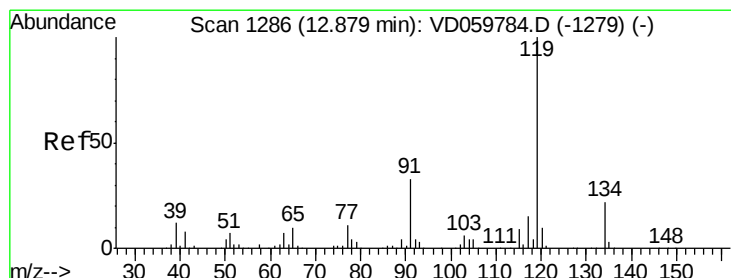
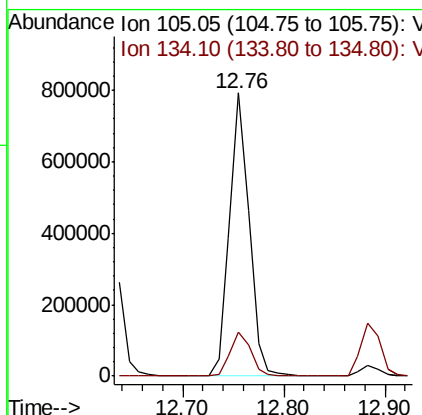
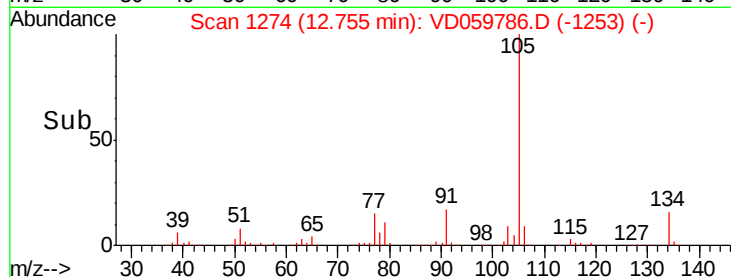
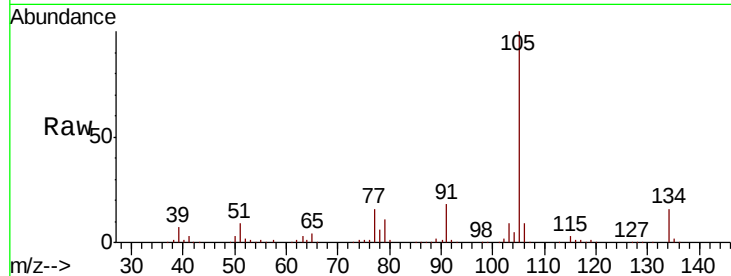
#85
 sec-Butylbenzene
 Concen: 92.60 ug/l
 RT: 12.76 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1062482
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.2 24.4

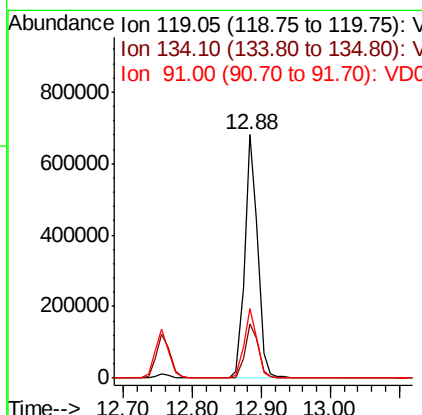
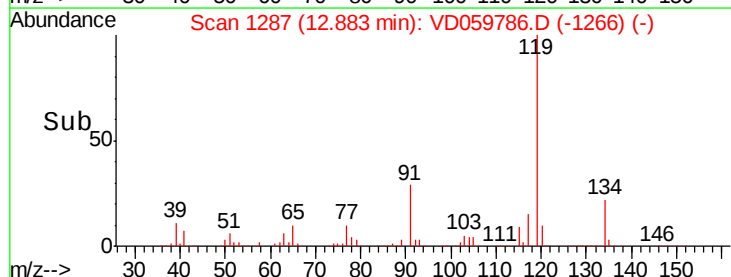
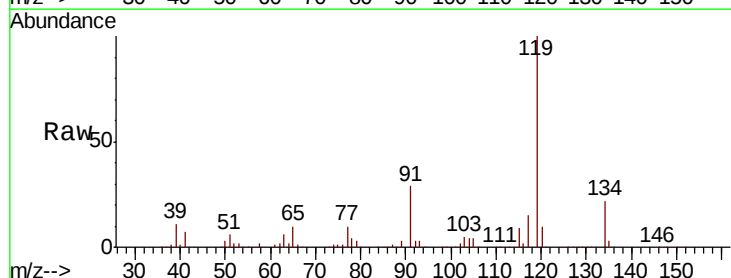
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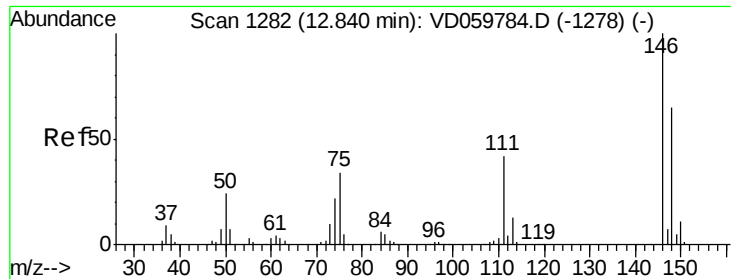
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#86
 p-Isopropyltoluene
 Concen: 85.99 ug/l
 RT: 12.88 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion:119 Resp: 881589
 Ion Ratio Lower Upper
 119 100
 134 22.0 10.9 32.6
 91 28.8 16.4 49.4





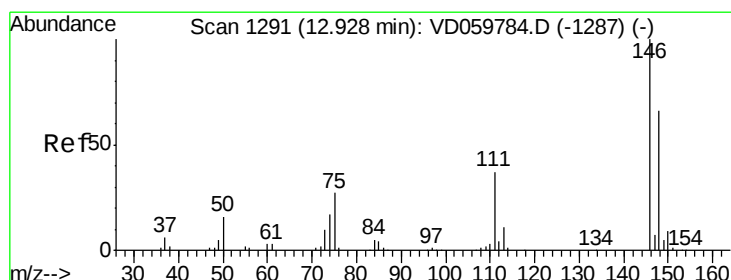
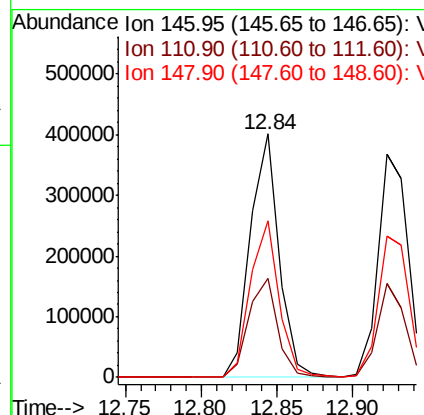
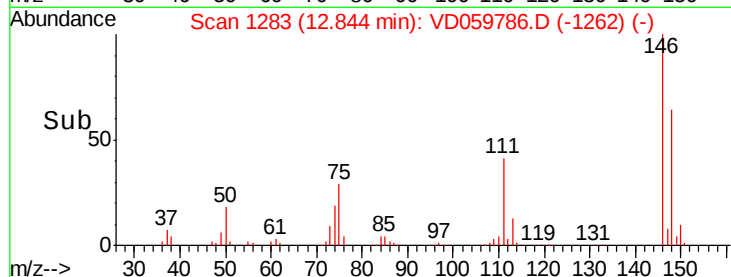
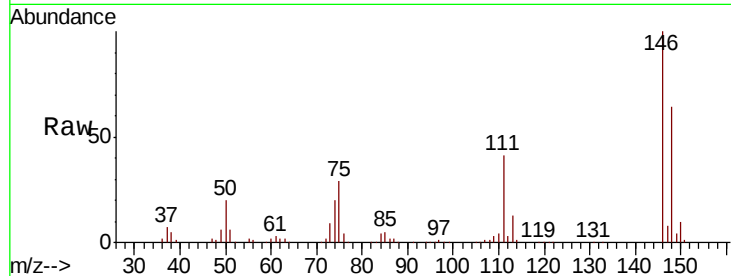
#87
 1,3-Dichlorobenzene
 Concen: 94.12 ug/l
 RT: 12.84 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.9	62.8
148	64.1	32.6	97.8

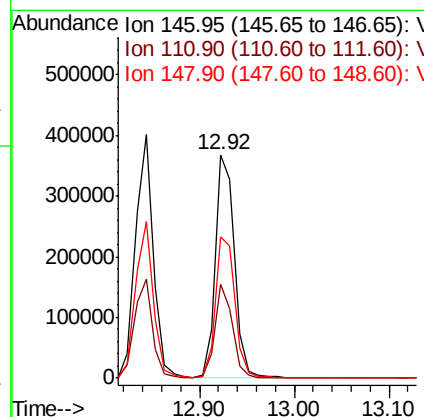
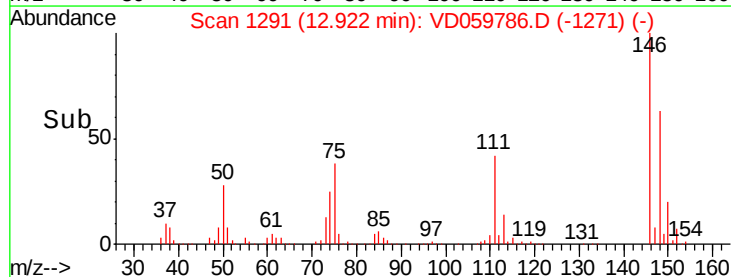
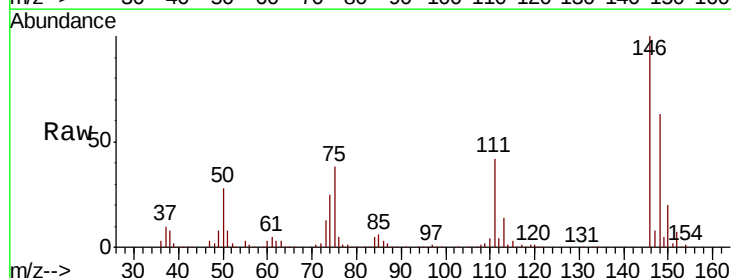
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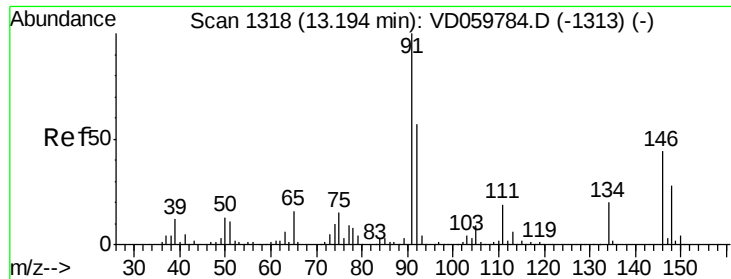
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#88
 1,4-Dichlorobenzene
 Concen: 91.19 ug/l
 RT: 12.92 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.6	55.6
148	63.2	33.0	99.0





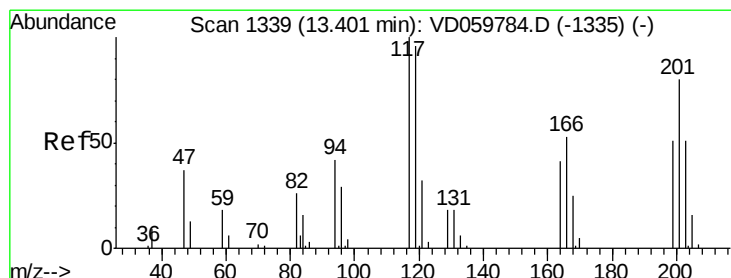
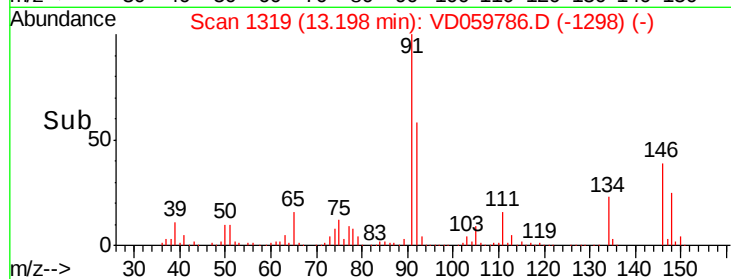
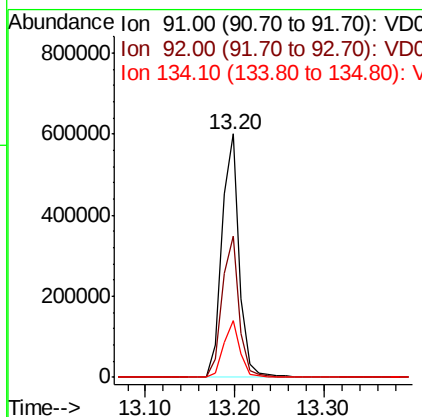
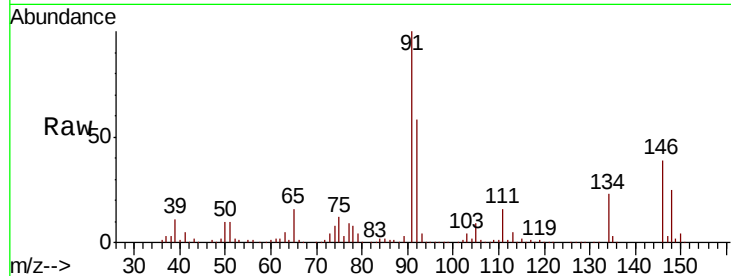
#89
n-Butylbenzene
Concen: 80.34 ug/l
RT: 13.20 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	28.4	85.3
134	23.3	10.2	30.4

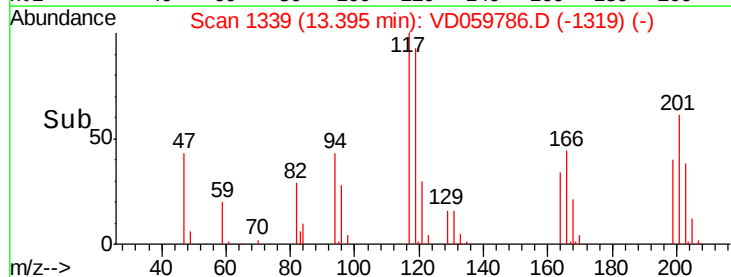
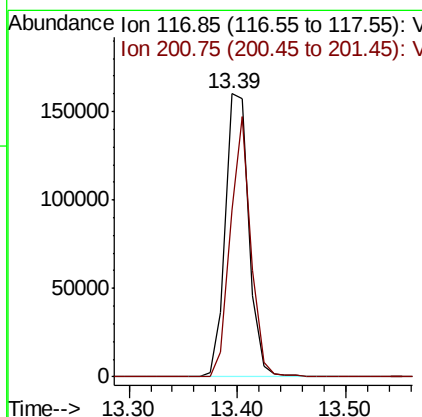
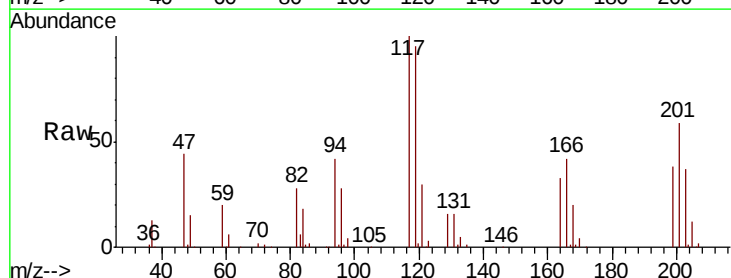
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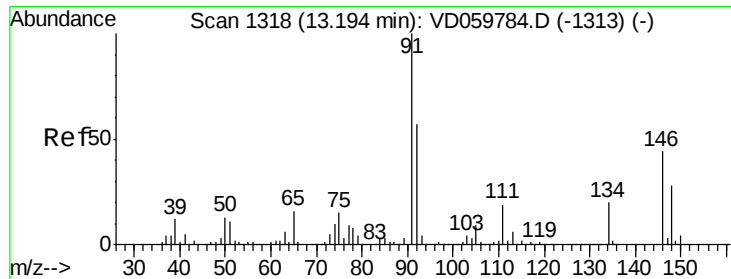
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#90
Hexachloroethane
Concen: 92.76 ug/l
RT: 13.39 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VD059786.D
Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.1	39.9	119.7





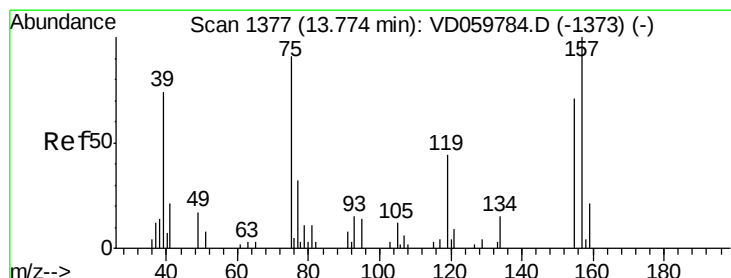
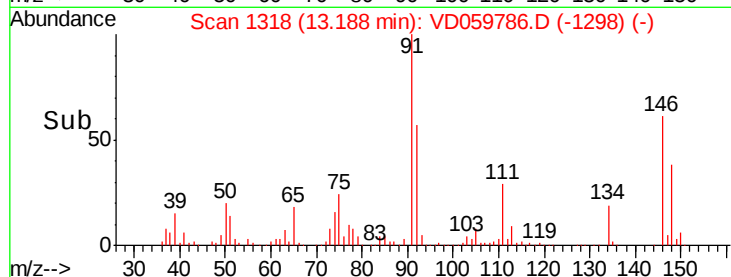
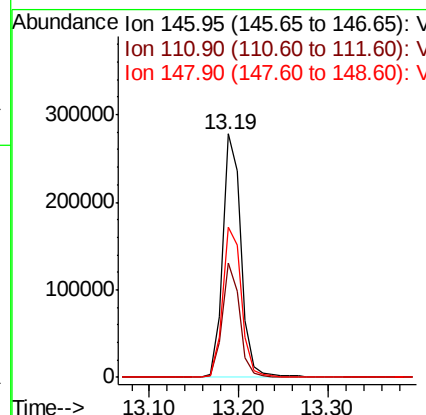
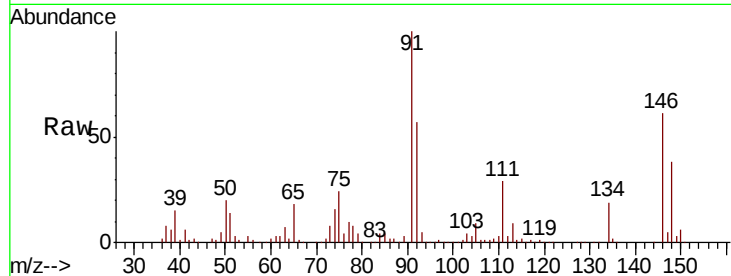
#91
 1,2-Dichlorobenzene
 Concen: 83.57 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.1	63.1
148	61.9	32.0	96.2

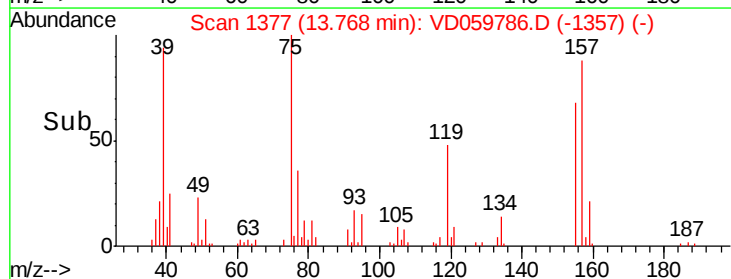
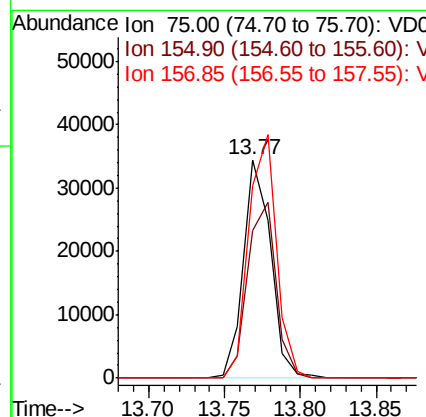
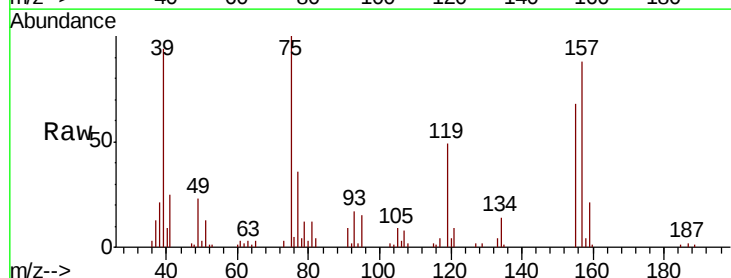
Manual Integrations
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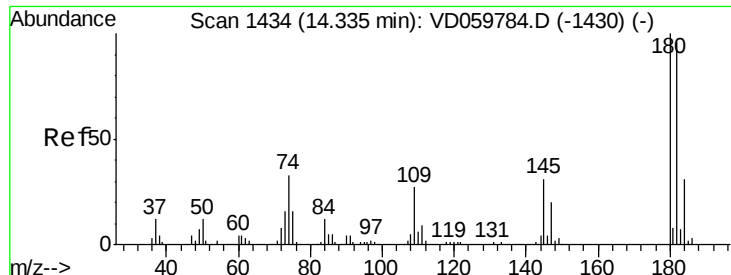
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 85.96 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.5	39.0	117.0
157	87.8	54.8	164.3





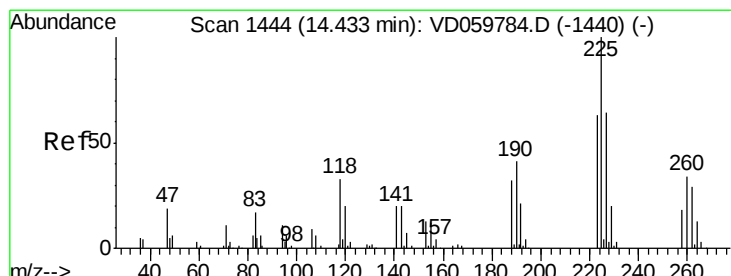
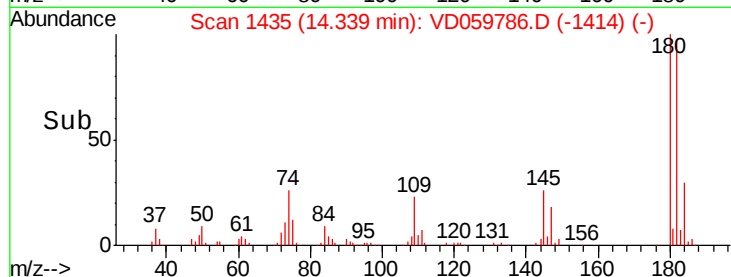
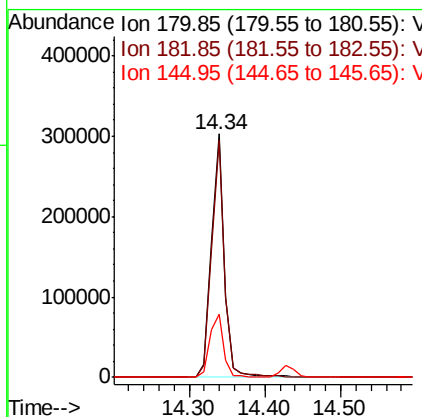
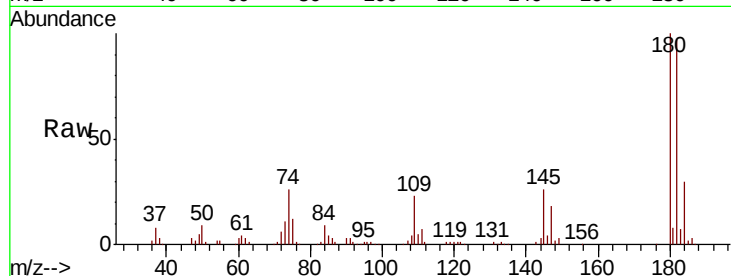
#93
 1,2,4-Trichlorobenzene
 Concen: 82.27 ug/l
 RT: 14.34 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	369392		
182	97.2	48.0	144.0	
145	26.2	15.5	46.5	

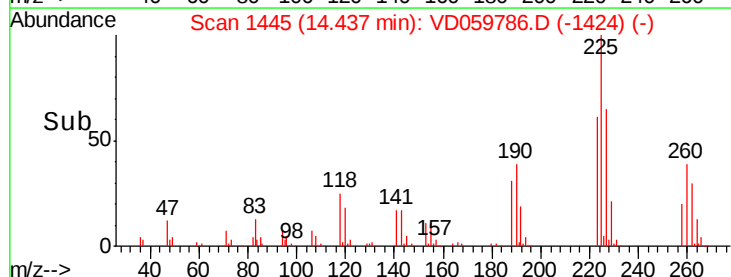
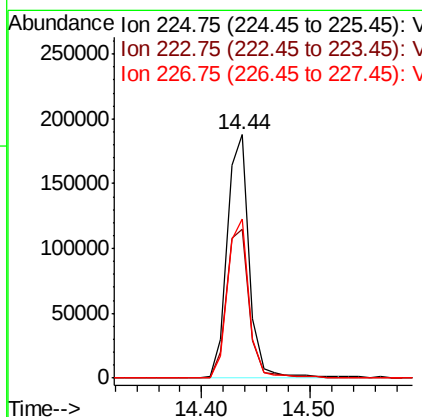
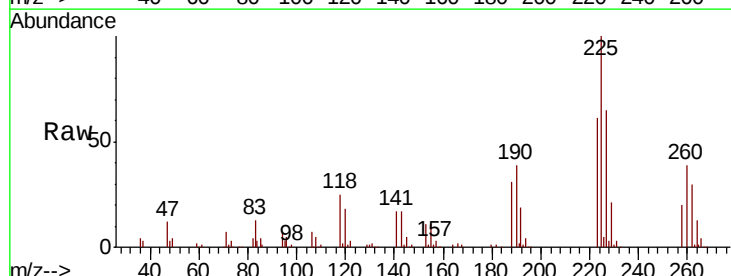
Manual Integrations
 APPROVED

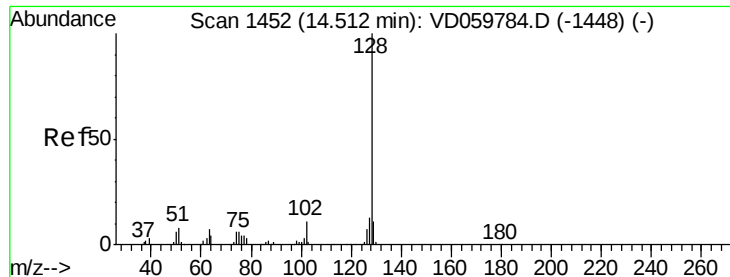
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#94
 Hexachlorobutadiene
 Concen: 72.42 ug/l
 RT: 14.44 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VD059786.D
 Acq: 15 Aug 2018 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	266363		
223	61.3	31.4	94.2	
227	65.3	32.1	96.5	





#95

Naphthalene

Concen: 96.51 ug/l

RT: 14.52 min Scan# 1453

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Instrument :

MSVOA_D

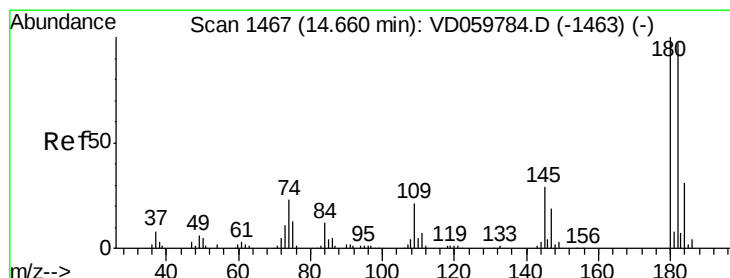
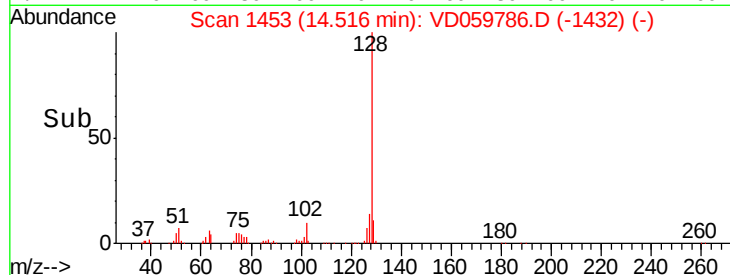
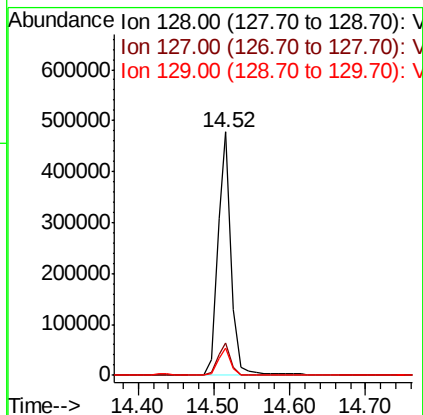
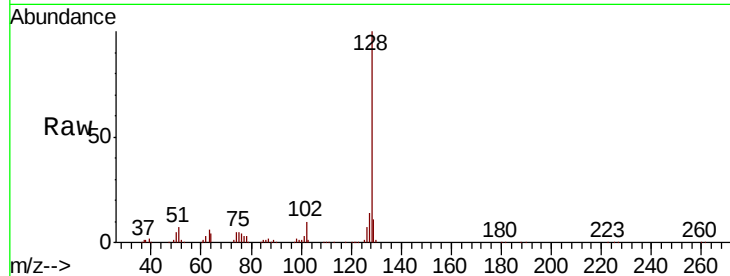
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	591307
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.3	15.5
129	11.4	9.1	13.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 86.85 ug/l

RT: 14.66 min Scan# 1468

Delta R.T. 0.00 min

Lab File: VD059786.D

Acq: 15 Aug 2018 1:47

Tgt Ion:	180	Resp:	332982
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.5	145.5
145	27.3	14.3	42.9

