

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
 Data File : VD059987.D
 Acq On : 10 Sep 2018 12:30
 Operator : JC/SY
 Sample : VD0910SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Manual Integrations
 APPROVED

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 9/11/2018 12:25:20 PM

Quant Time: Sep 10 14:29:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1401755	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.44	114	1929697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1573065	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	844158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	549796	46.53	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.06%	
35) Dibromofluoromethane	6.32	113	737914	48.77	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	9.44	98	2048032	48.78	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.43	95	797380	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	198841	15.87	ug/l	99
3) Chloromethane	1.75	50	196245	17.29	ug/l	99
4) Vinyl Chloride	1.85	62	171793	19.30	ug/l	94
5) Bromomethane	2.13	94	17313	11.27	ug/l	91
6) Chloroethane	2.24	64	43669	13.44	ug/l	94
7) Trichlorofluoromethane	2.50	101	206269	20.03	ug/l	99
8) Diethyl Ether	2.82	74	47058	20.37	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.08	101	151729	24.06	ug/l	94
10) Methyl Iodide	3.24	142	110694	18.80	ug/l	94
11) Tert butyl alcohol	3.96	59	71614	79.44	ug/l	99
12) 1,1-Dichloroethene	3.06	96	113102	23.04	ug/l	90
13) Acrolein	2.97	56	21301	54.48	ug/l	98
14) Allyl chloride	3.52	41	243073	21.89	ug/l	99
15) Acrylonitrile	4.07	53	327034	96.87	ug/l	98
16) Acetone	3.15	43	216223	100.45	ug/l	97
17) Carbon Disulfide	3.30	76	249128	16.35	ug/l	99
18) Methyl Acetate	3.54	43	77176	17.18	ug/l	95
19) Methyl tert-butyl Ether	4.11	73	531464	19.14	ug/l	100
20) Methylene Chloride	3.71	84	324408	20.38	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	254201	18.79	ug/l	95
22) Diisopropyl ether	4.84	45	1138034	20.09	ug/l	96
23) Vinyl Acetate	4.79	43	3126664	98.75	ug/l	100
24) 1,1-Dichloroethane	4.74	63	486985	19.90	ug/l	99
25) 2-Butanone	5.61	43	507242	79.57	ug/l	96
26) 2,2-Dichloropropane	5.58	77	406425	19.87	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	301825	20.38	ug/l	98
28) Bromochloromethane	5.91	49	231621	19.75	ug/l	93
29) Tetrahydrofuran	5.94	42	263205	86.72	ug/l	97
30) Chloroform	6.09	83	515304	20.72	ug/l	99
31) Cyclohexane	6.35	56	383471	17.05	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	413509	19.59	ug/l	97
36) 1,1-Dichloropropene	6.51	75	342689	19.59	ug/l	98
37) Ethyl Acetate	5.69	43	242683	17.83	ug/l	99
38) Carbon Tetrachloride	6.49	117	346527	19.63	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	343182	18.16	ug/l	98
40) Benzene	6.79	78	915997	20.14	ug/l	98
41) Methacrylonitrile	5.91	41	128692m	18.77	ug/l	
42) 1,2-Dichloroethane	6.89	62	280073	19.18	ug/l	99
43) Isopropyl Acetate	8.34	43	323046	18.24	ug/l #	99
44) Trichloroethene	7.73	130	266014	19.86	ug/l	99
45) 1,2-Dichloropropane	8.10	63	250980	19.74	ug/l	96
46) Dibromomethane	8.20	93	154142	18.86	ug/l	99
47) Bromodichloromethane	8.48	83	361019	19.51	ug/l	100
48) Methyl methacrylate	8.23	41	182639	17.69	ug/l	98
49) 1,4-Dioxane	8.22	88	34052	369.47	ug/l	90
51) 4-Methyl-2-Pentanone	9.34	43	1060996	80.36	ug/l	96
52) Toluene	9.54	92	596082	20.44	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	329516	19.25	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	391627	19.73	ug/l	100
55) 1,1,2-Trichloroethane	10.17	97	208749	19.58	ug/l	97
56) Ethyl methacrylate	10.03	69	224249	18.23	ug/l	97
57) 1,3-Dichloropropane	10.38	76	322650	20.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	622265	105.42	ug/l	99
59) 2-Hexanone	10.49	43	804532	82.62	ug/l	99
60) Dibromochloromethane	10.64	129	255707	19.08	ug/l	98
61) 1,2-Dibromoethane	10.75	107	206184	19.13	ug/l	95
64) Tetrachloroethene	10.24	164	240815	19.80	ug/l	99
65) Chlorobenzene	11.30	112	677025	21.66	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	248158	21.73	ug/l	98
67) Ethyl Benzene	11.42	91	1156785	22.00	ug/l	99
68) m/p-Xylenes	11.56	106	856506	44.73	ug/l	97
69) o-Xylene	11.93	106	403738	21.56	ug/l	99
70) Styrene	11.95	104	703193	21.69	ug/l	99
71) Bromoform	12.11	173	180816	18.30	ug/l	99
73) Isopropylbenzene	12.27	105	1151250	21.36	ug/l	99
74) N-amyl acetate	12.13	43	429114	18.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	239954	19.25	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	247145	18.84	ug/l	99
77) Bromobenzene	12.53	156	318177	21.30	ug/l	95
78) n-propylbenzene	12.63	91	1473354	21.59	ug/l	100
79) 2-Chlorotoluene	12.70	91	804373	20.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	927512	21.65	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	69731	17.09	ug/l	97
82) 4-Chlorotoluene	12.81	91	954983	21.70	ug/l	98
83) tert-Butylbenzene	13.05	119	1055272	21.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	941684	21.09	ug/l	99
85) sec-Butylbenzene	13.21	105	1258957	21.94	ug/l	99
86) p-Isopropyltoluene	13.34	119	1003932	21.51	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	569230	21.34	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	578502	21.74	ug/l	97
89) n-Butylbenzene	13.65	91	1063406	21.18	ug/l	98
90) Hexachloroethane	13.85	117	244808	19.53	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	491208	21.66	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	30936	16.14	ug/l	84

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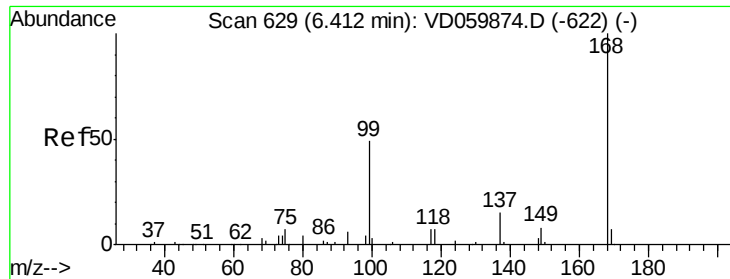
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	401207	20.66	ug/l	97
94) Hexachlorobutadiene	14.88	225	267716	21.03	ug/l	99
95) Naphthalene	14.97	128	560412	18.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	332452	20.02	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:168 Resp: 1401755

Ion Ratio Lower Upper

168 100

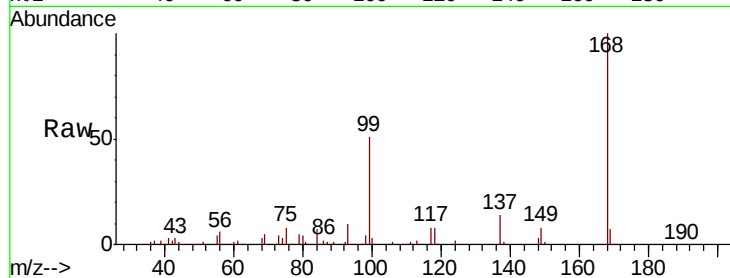
99 51.5 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

500000

400000

300000

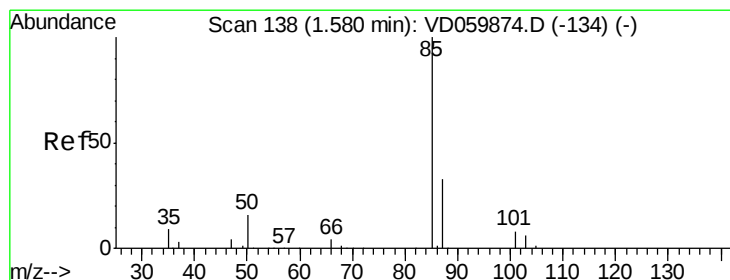
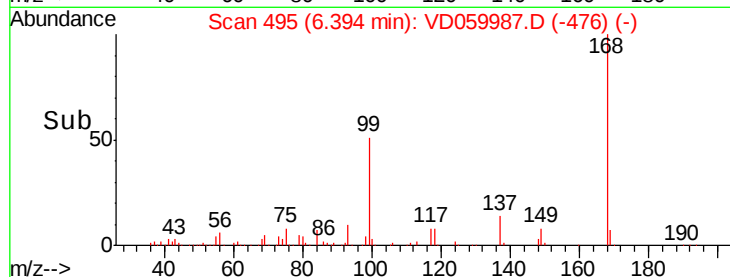
200000

100000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 15.87 ug/l

RT: 1.58 min Scan# 6

Delta R.T. 0.00 min

Lab File: VD059987.D

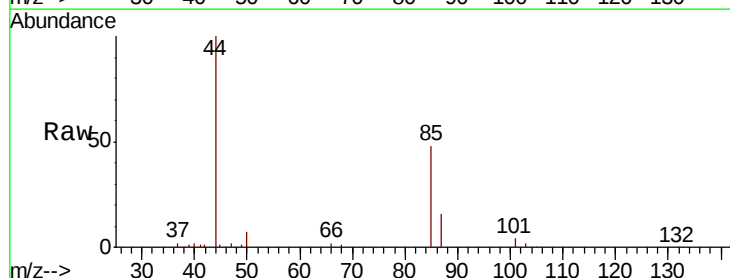
Acq: 10 Sep 2018 12:30

Tgt Ion: 85 Resp: 198841

Ion Ratio Lower Upper

85 100

87 32.7 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

80000

60000

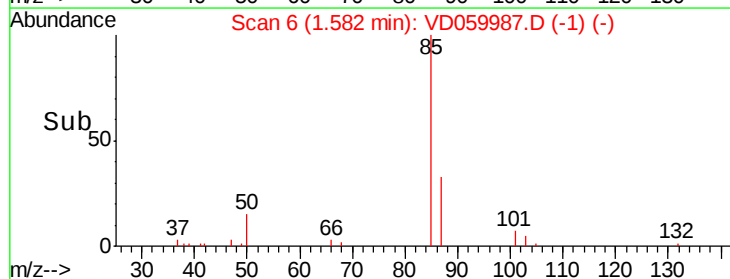
40000

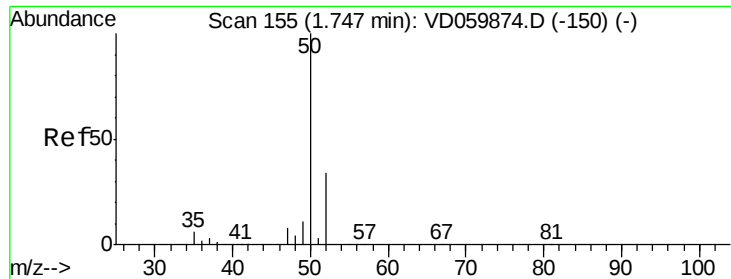
20000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 17.29 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.00 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 50 Resp: 196245

Ion Ratio Lower Upper

50 100

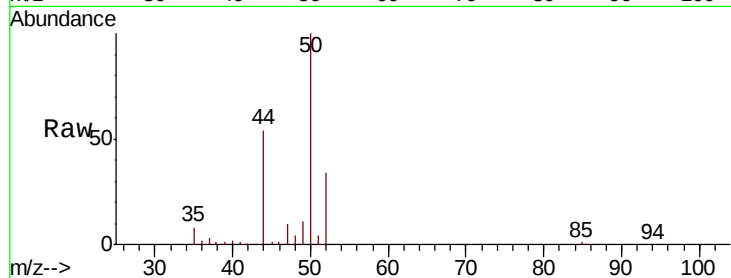
52 34.2 27.0 40.6

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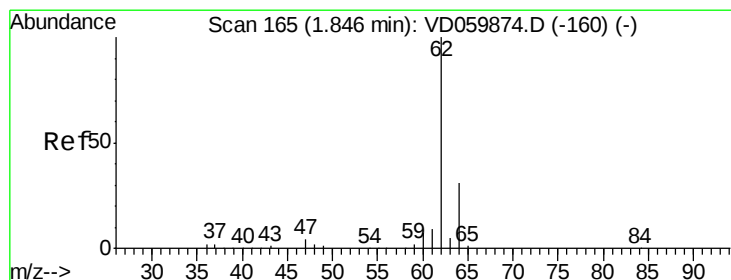
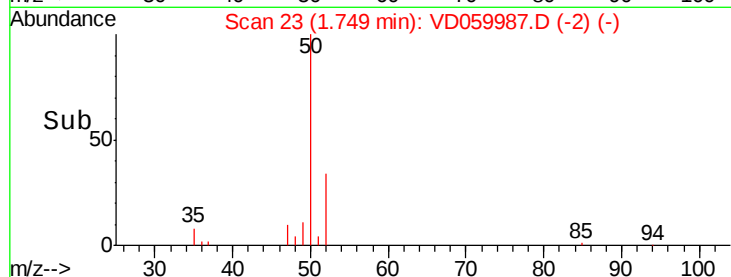
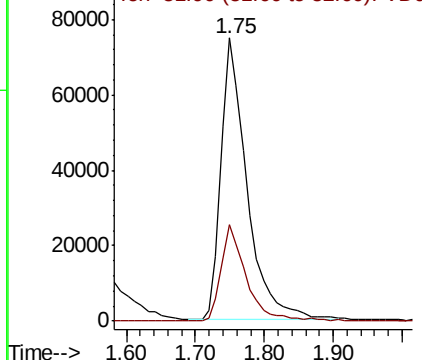
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.30 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD059987.D

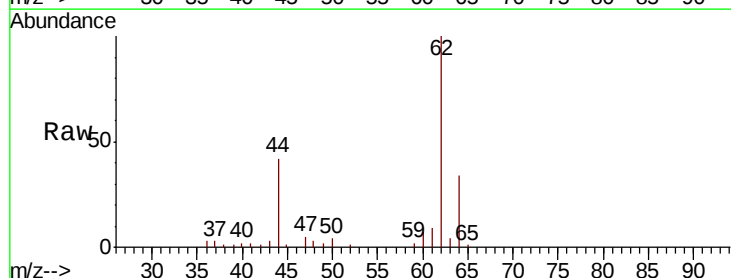
Acq: 10 Sep 2018 12:30

Tgt Ion: 62 Resp: 171793

Ion Ratio Lower Upper

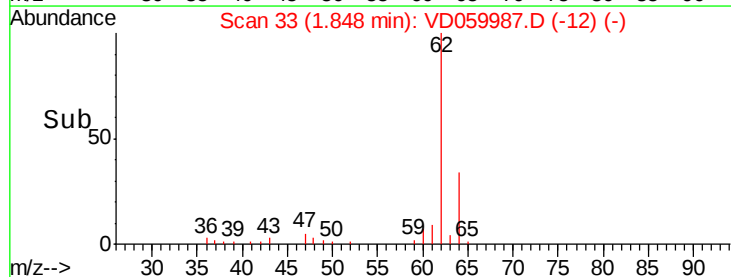
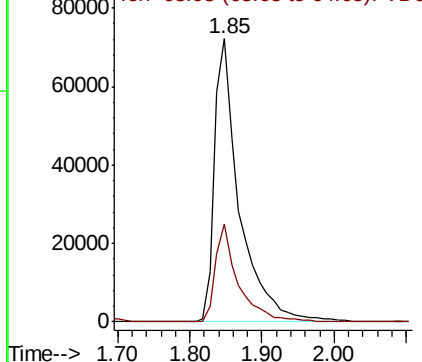
62 100

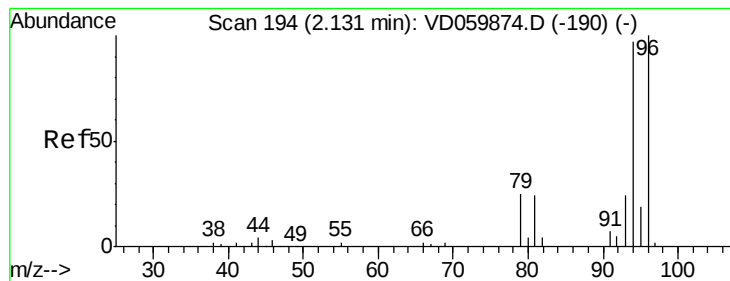
64 34.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.27 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.00 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 94 Resp: 17313

Ion Ratio Lower Upper

94 100

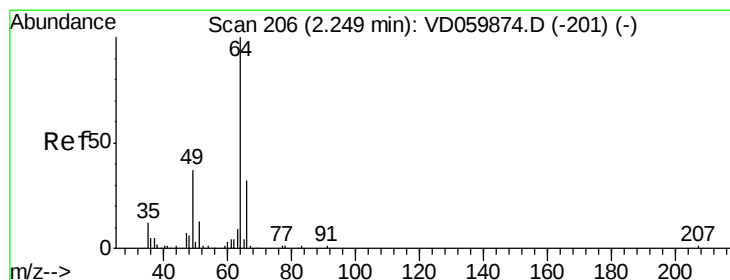
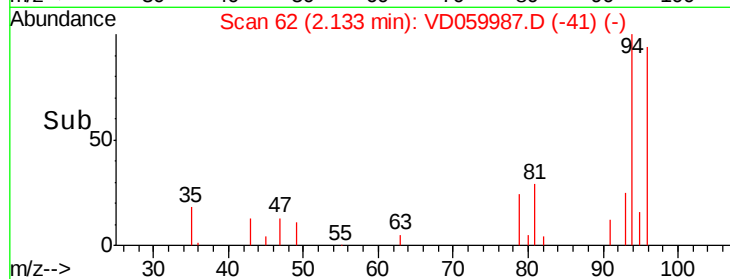
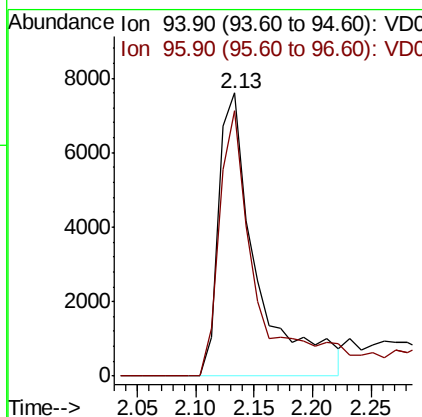
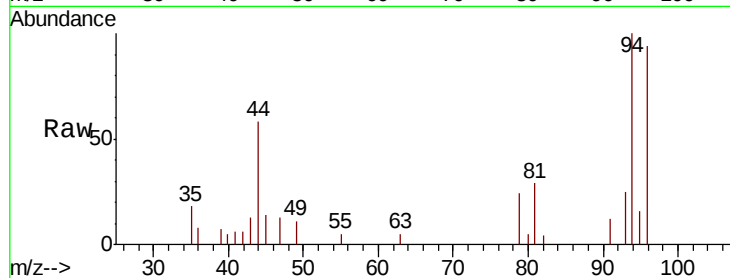
96 93.7 82.4 123.6

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#6

Chloroethane

Concen: 13.44 ug/l

RT: 2.24 min Scan# 73

Delta R.T. -0.01 min

Lab File: VD059987.D

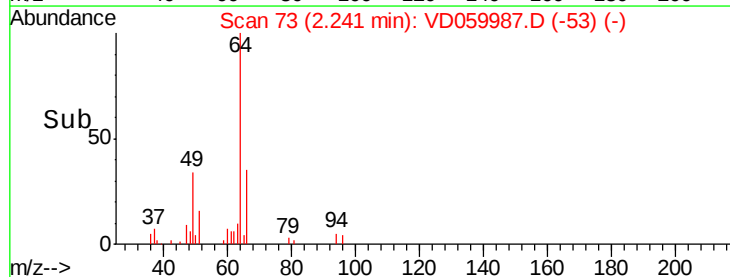
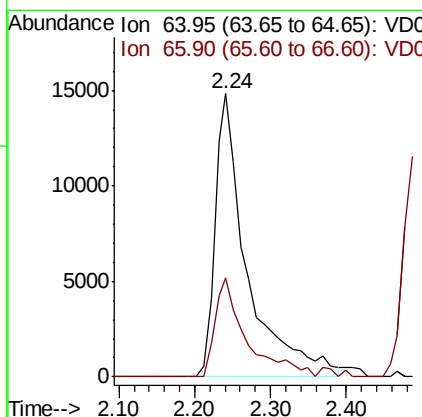
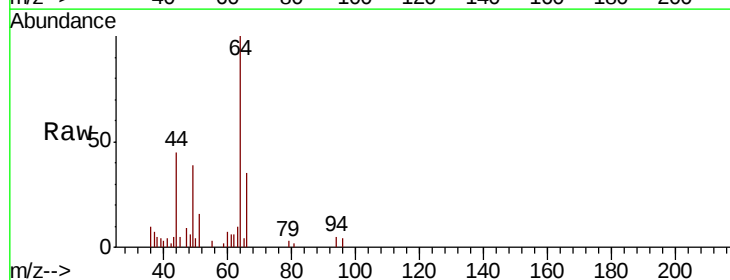
Acq: 10 Sep 2018 12:30

Tgt Ion: 64 Resp: 43669

Ion Ratio Lower Upper

64 100

66 34.8 25.3 37.9





#7

Trichlorofluoromethane

Concen: 20.03 ug/l

RT: 2.50 min Scan# 99

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:101 Resp: 206269

Ion Ratio Lower Upper

101 100

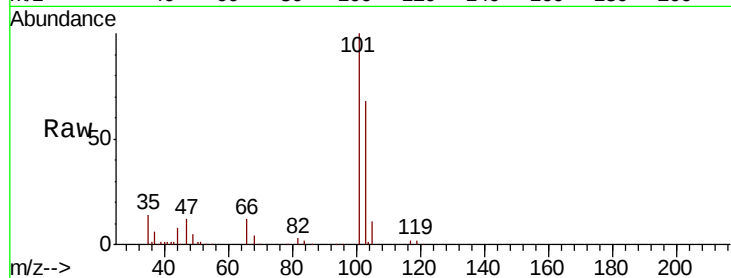
103 68.2 53.7 80.5

Manual Integrations

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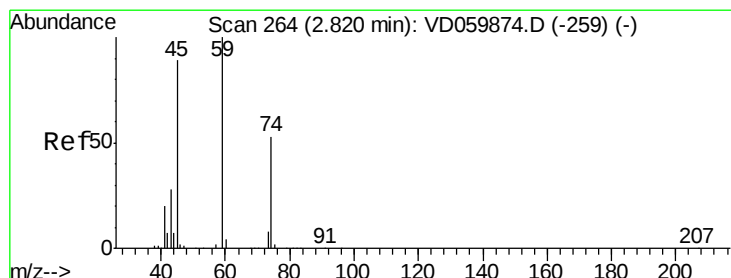
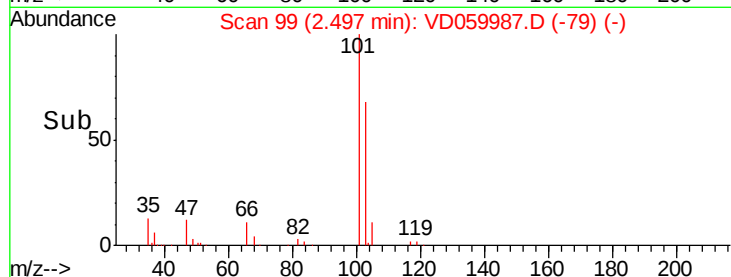
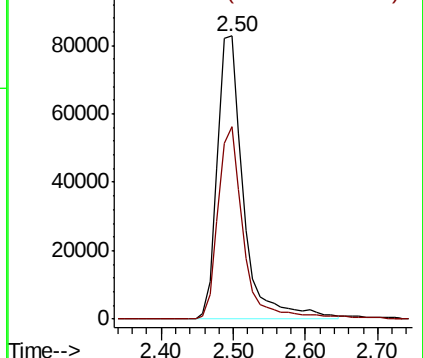
apatel

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 20.37 ug/l

RT: 2.82 min Scan# 132

Delta R.T. 0.00 min

Lab File: VD059987.D

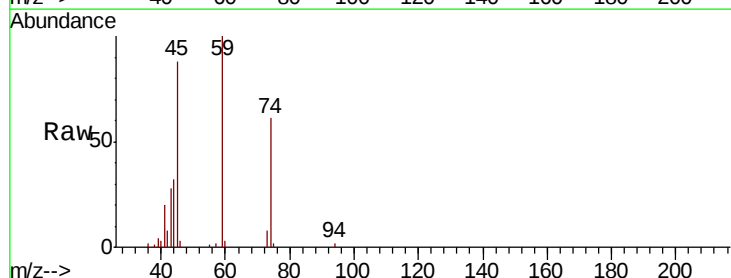
Acq: 10 Sep 2018 12:30

Tgt Ion: 74 Resp: 47058

Ion Ratio Lower Upper

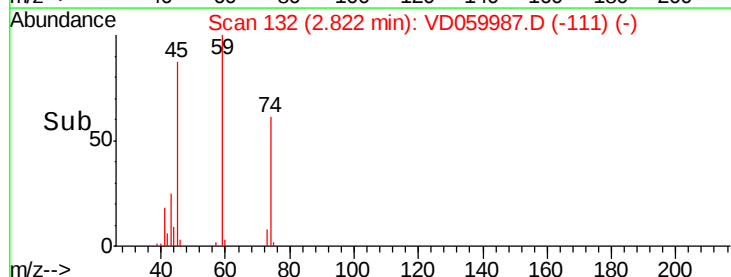
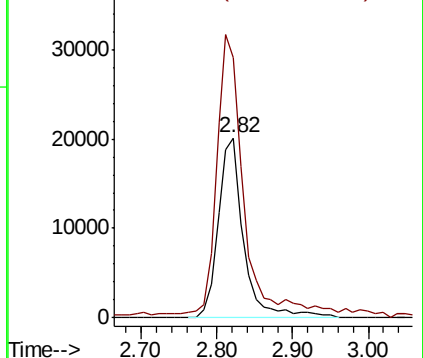
74 100

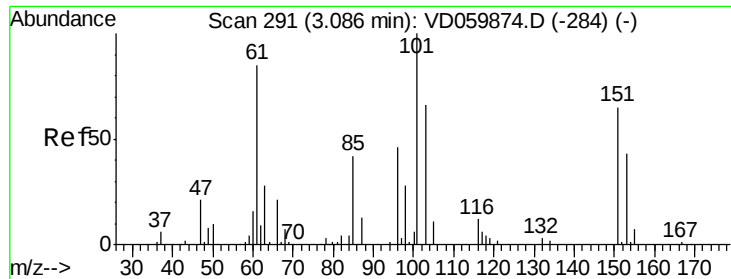
45 144.7 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.06 ug/l

RT: 3.08 min Scan# 158

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

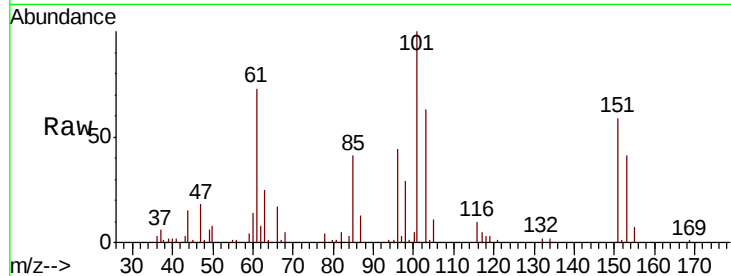
ClientSampleId :

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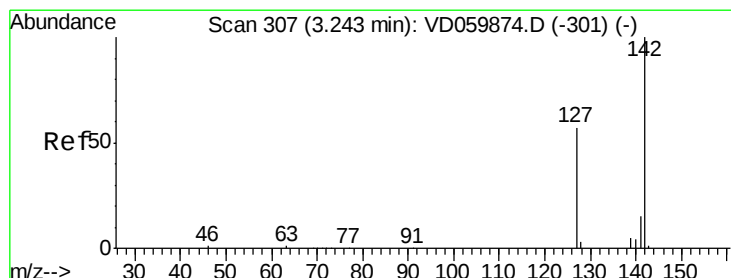
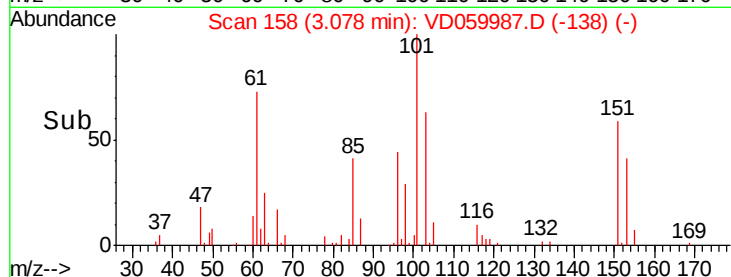
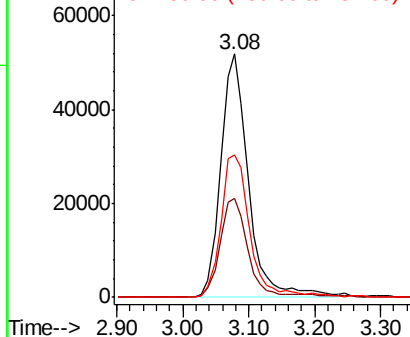
Tot Ion:	101	Resp:	151729
Ion Ratio	Lower	Upper	
101	100		
85	40.5	33.6	50.4
151	58.7	52.0	78.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 18.80 ug/l

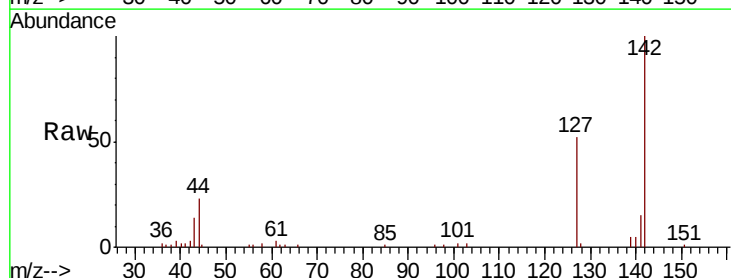
RT: 3.24 min Scan# 174

Delta R.T. -0.01 min

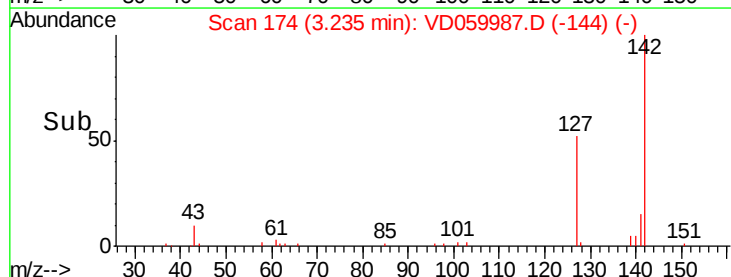
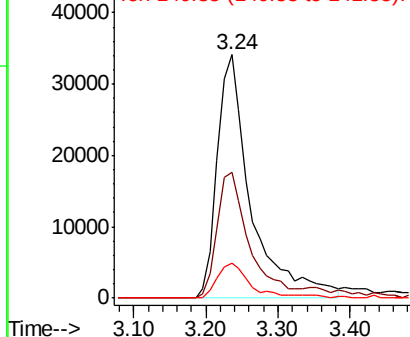
Lab File: VD059987.D

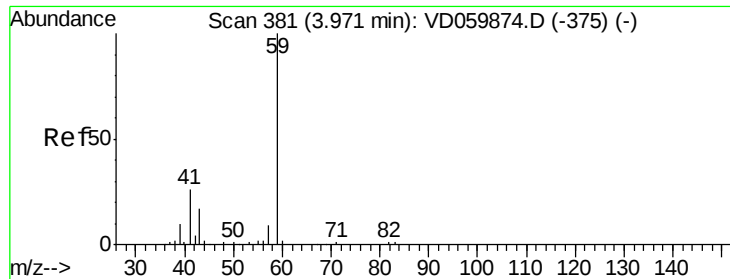
Acq: 10 Sep 2018 12:30

Tgt Ion:	142	Resp:	110694
Ion Ratio	Lower	Upper	
142	100		
127	51.5	45.8	68.6
141	14.6	11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





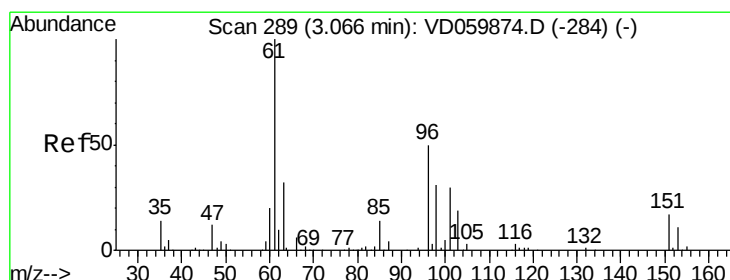
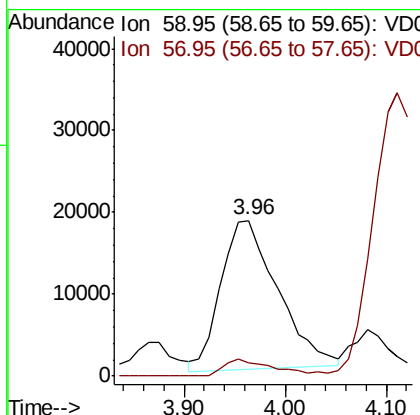
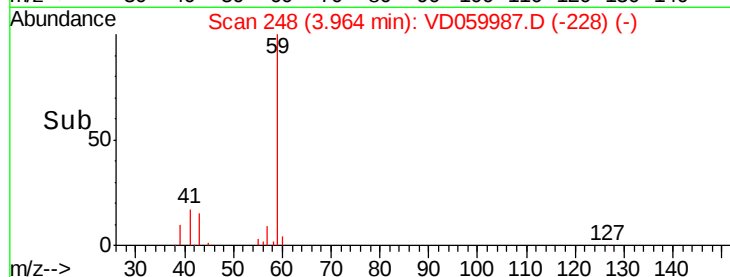
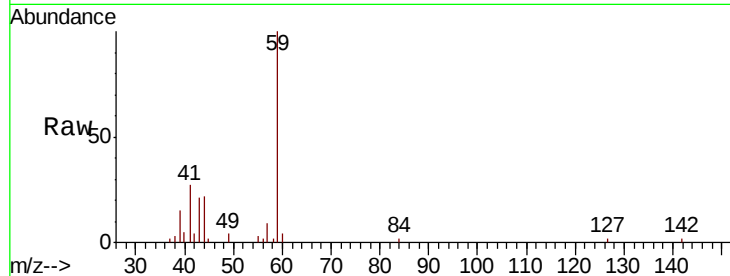
#11
Tert butyl alcohol
Concen: 79.44 ug/l
RT: 3.96 min Scan# 248
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 59 Resp: 71614
Ion Ratio Lower Upper
59 100
57 8.9 7.4 11.0

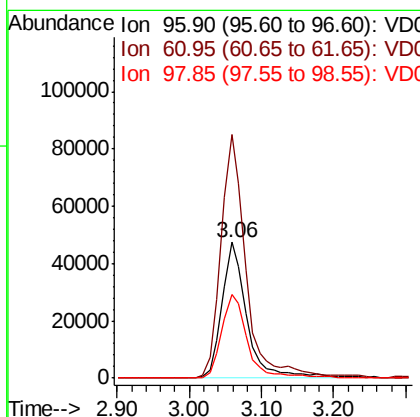
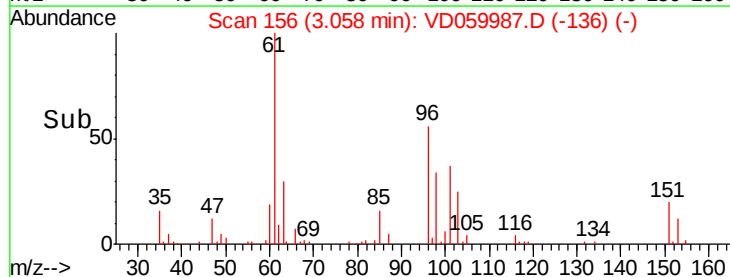
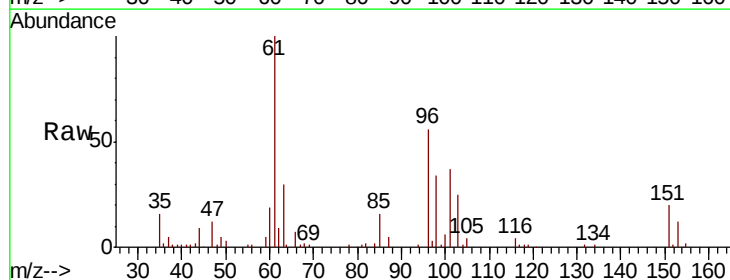
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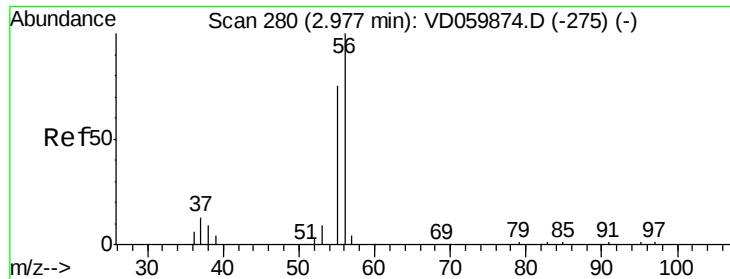
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#12
1,1-Dichloroethene
Concen: 23.04 ug/l
RT: 3.06 min Scan# 156
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 96 Resp: 113102
Ion Ratio Lower Upper
96 100
61 179.1 158.8 238.2
98 61.4 48.7 73.1





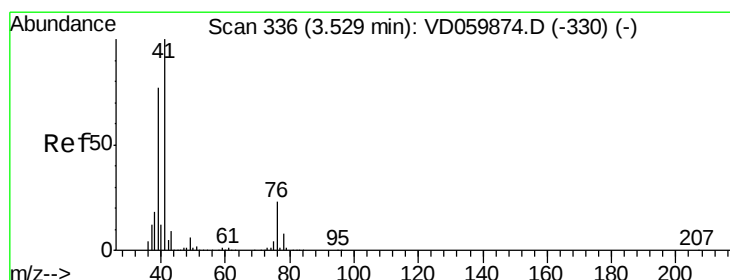
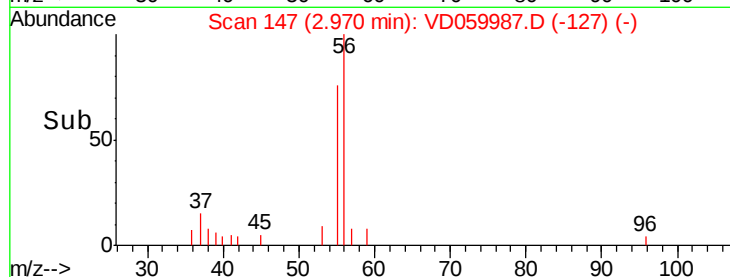
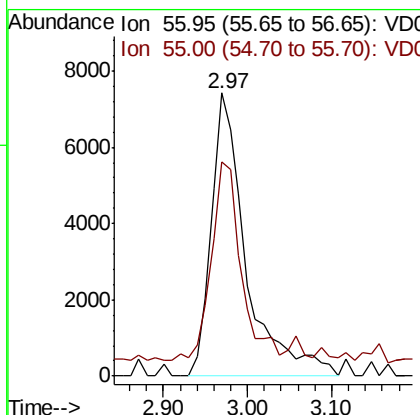
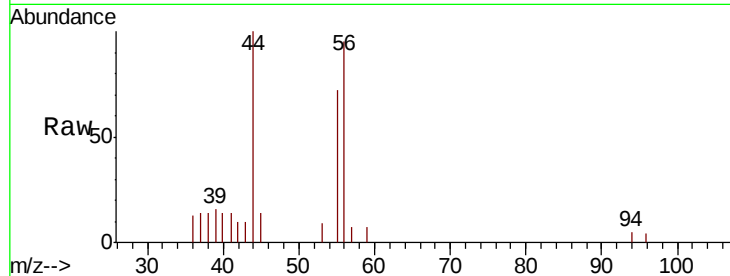
#13
 Acrolein
 Concen: 54.48 ug/l
 RT: 2.97 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	75.6	61.9	92.9

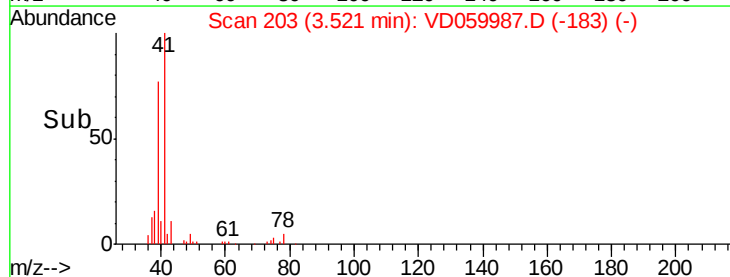
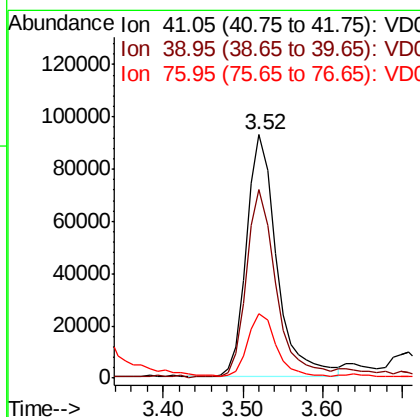
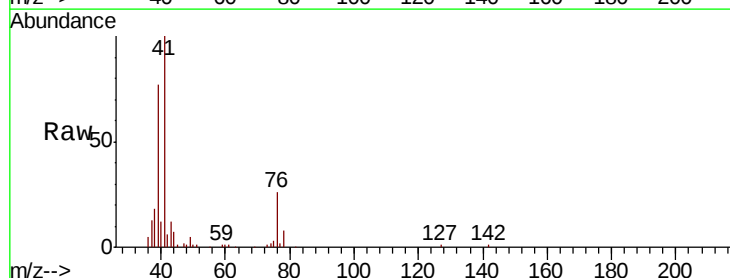
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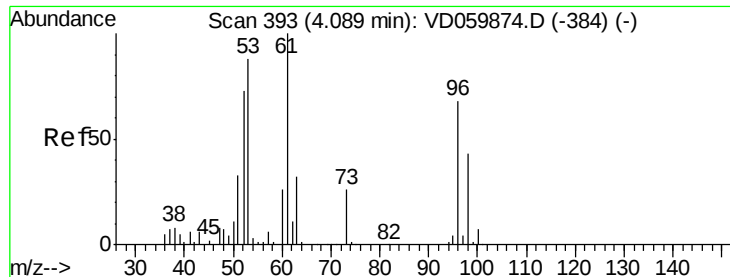
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#14
 Allyl chloride
 Concen: 21.89 ug/l
 RT: 3.52 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.4	61.8	92.6
76	26.5	19.4	29.2





#15

Acrylonitrile

Concen: 96.87 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

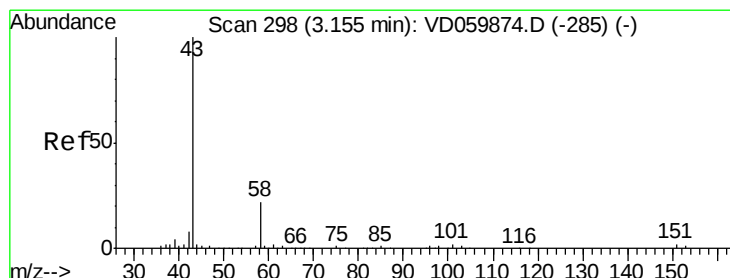
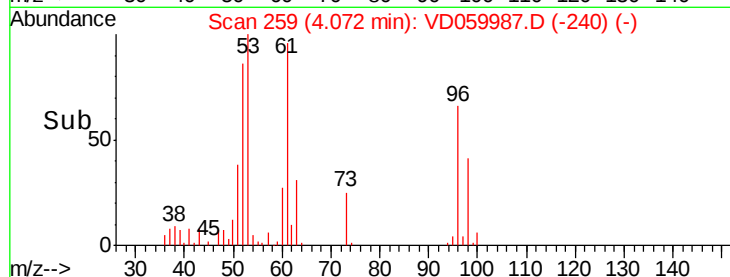
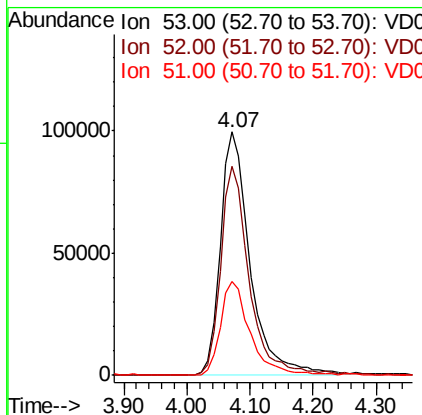
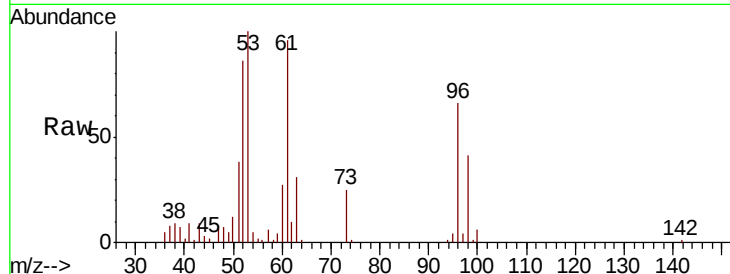
ClientSampleId :

VD0910SBS01

Tot Ion:	53	Resp:	327034
Ion	Ratio	Lower	Upper
53	100		
52	86.0	66.9	100.3
51	38.5	30.3	45.5

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#16

Acetone

Concen: 100.45 ug/l

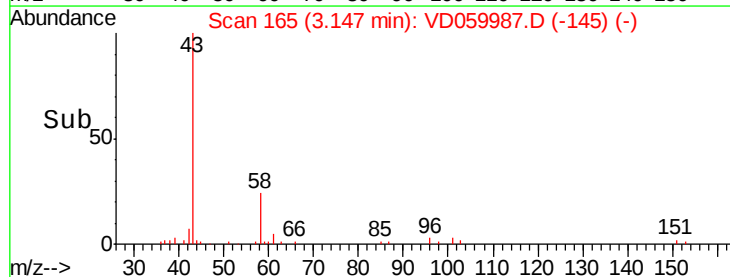
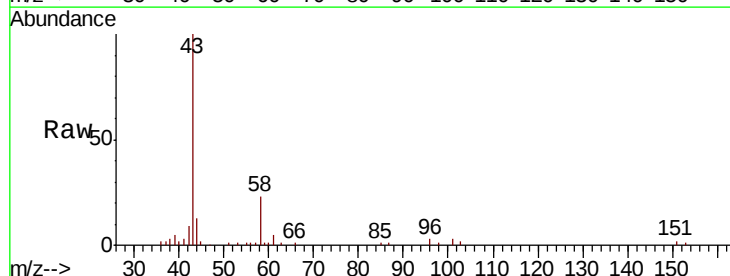
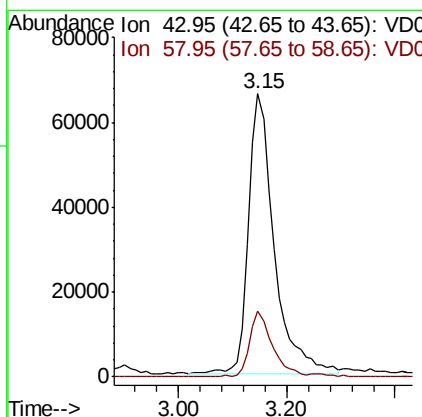
RT: 3.15 min Scan# 165

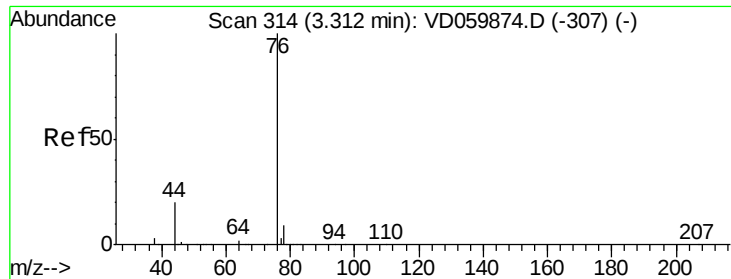
Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Tgt Ion:	43	Resp:	216223
Ion	Ratio	Lower	Upper
43	100		
58	23.4	17.6	26.4





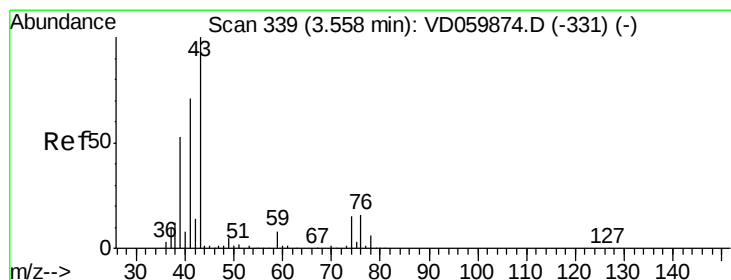
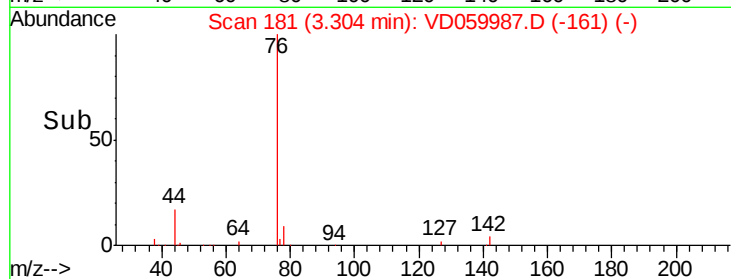
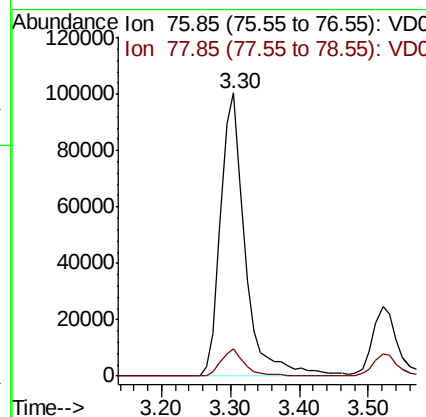
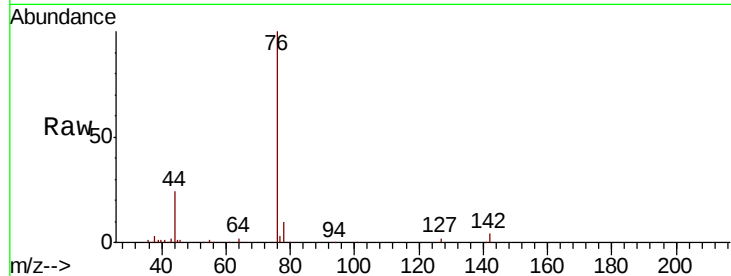
#17
Carbon Disulfide
Concen: 16.35 ug/l
RT: 3.30 min Scan# 181
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

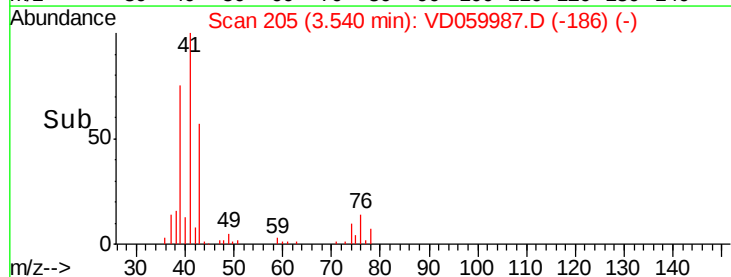
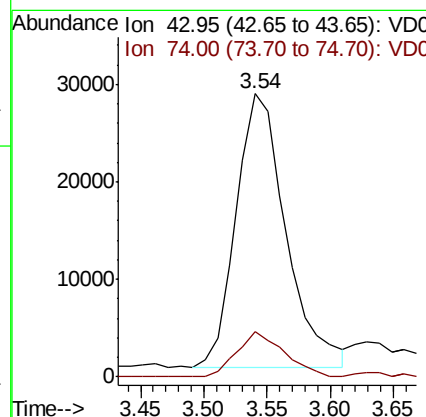
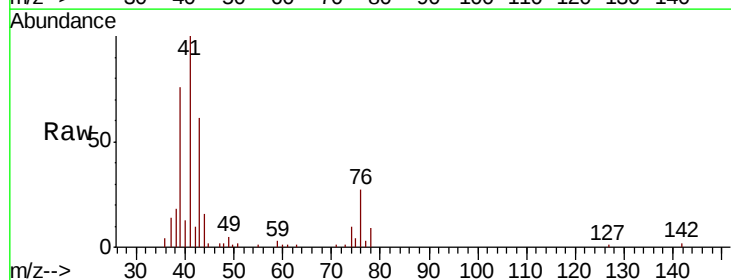
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#18
Methyl Acetate
Concen: 17.18 ug/l
RT: 3.54 min Scan# 205
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.1	11.2	16.8





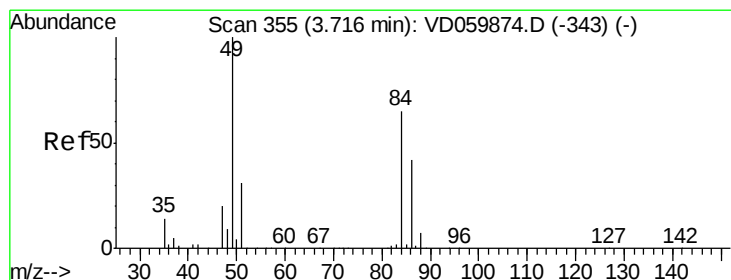
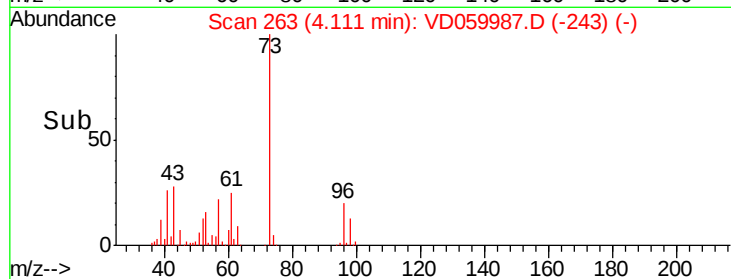
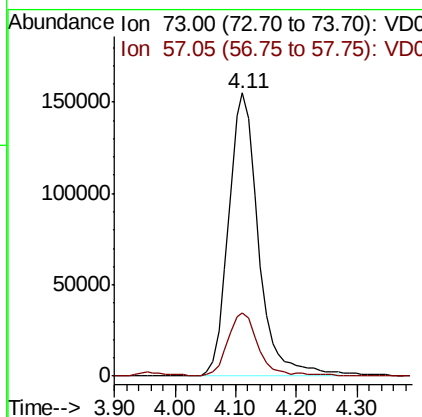
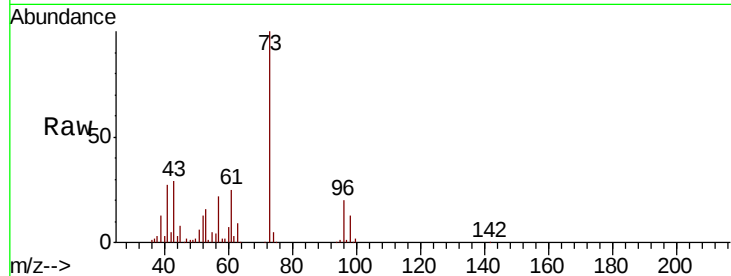
#19
Methyl tert-butyl Ether
Concen: 19.14 ug/l
RT: 4.11 min Scan# 263
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 73 Resp: 531464
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9

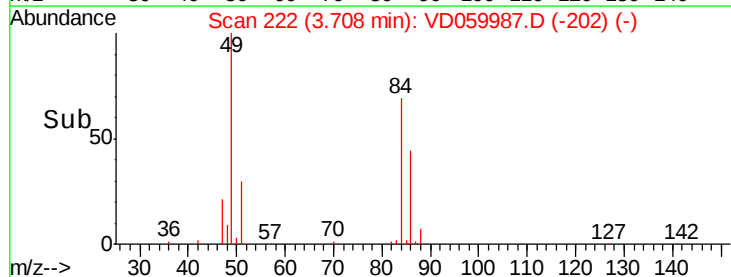
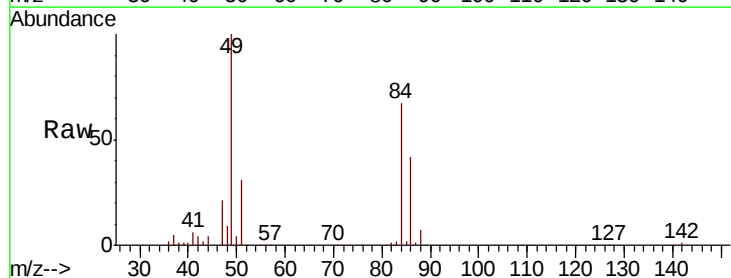
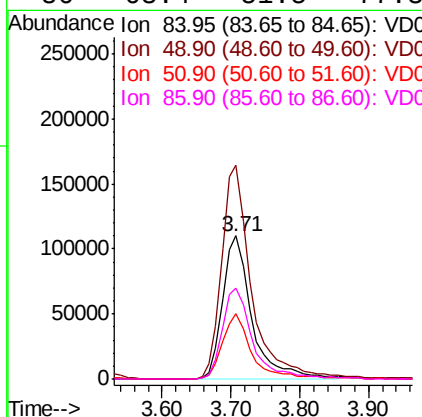
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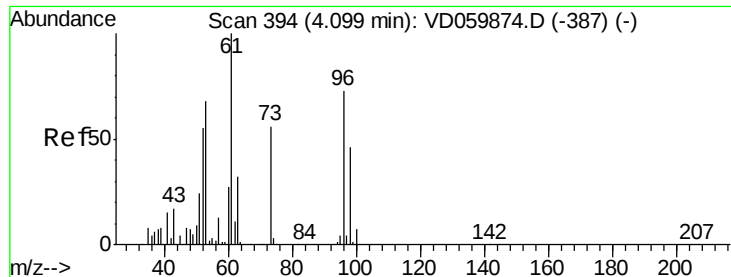
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#20
Methylene Chloride
Concen: 20.38 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 84 Resp: 324408
Ion Ratio Lower Upper
84 100
49 149.4 122.6 183.8
51 45.6 38.4 57.6
86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.79 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

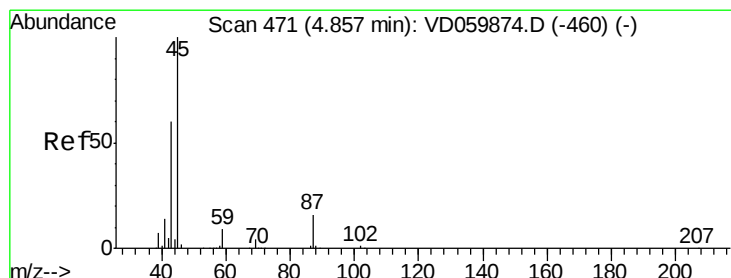
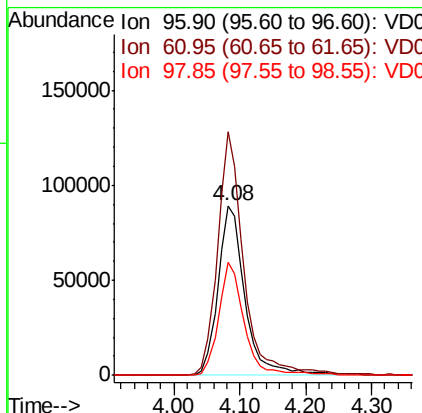
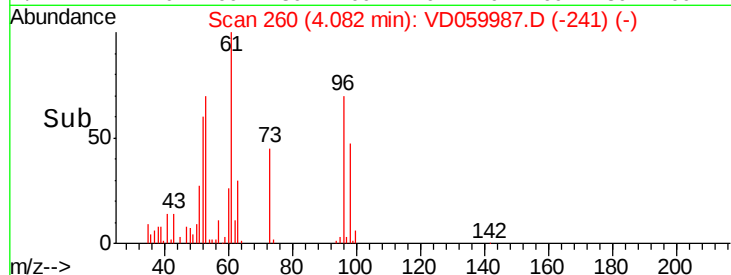
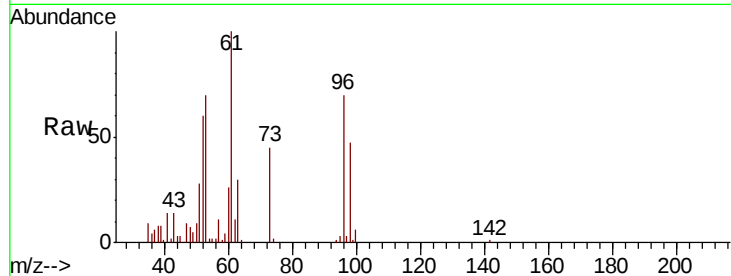
ClientSampleId :

VD0910SBS01

Tot Ion:	96	Resp:	254201
Ion	Ratio	Lower	Upper
96	100		
61	143.5	110.2	165.4
98	66.8	50.9	76.3

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#22

Diisopropyl ether

Concen: 20.09 ug/l

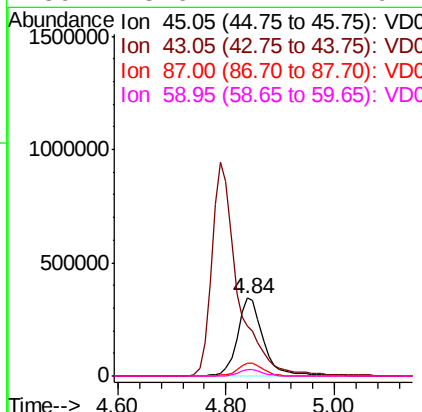
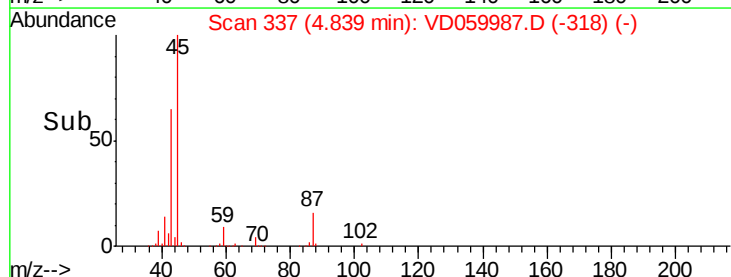
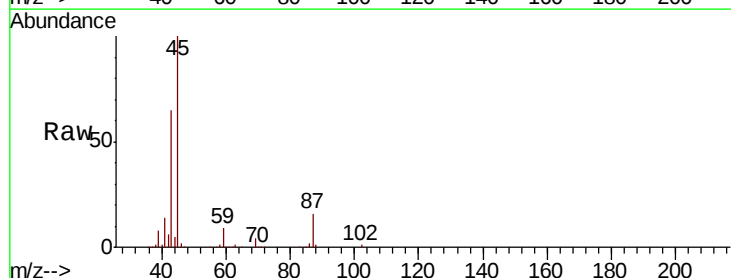
RT: 4.84 min Scan# 337

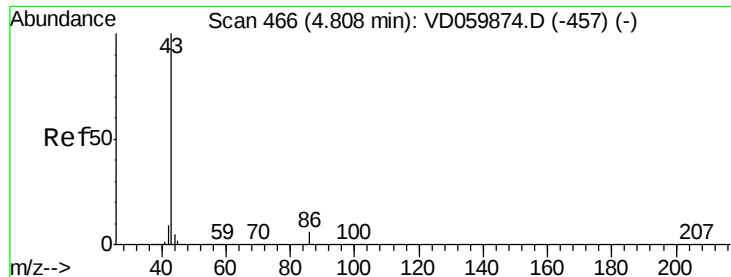
Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Tgt Ion:	45	Resp:	1138034
Ion	Ratio	Lower	Upper
45	100		
43	64.7	48.6	72.8
87	16.3	13.3	19.9
59	8.6	7.1	10.7





#23

Vinyl Acetate

Concen: 98.75 ug/l

RT: 4.79 min Scan# 332

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleID :

VD0910SBS01

Tot Ion: 43 Resp: 3126664

Ion Ratio Lower Upper

43 100

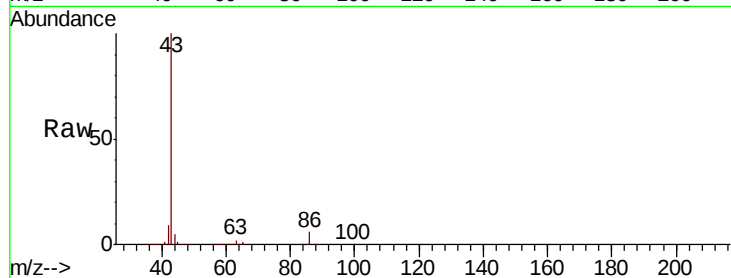
86 6.3 5.0 7.6

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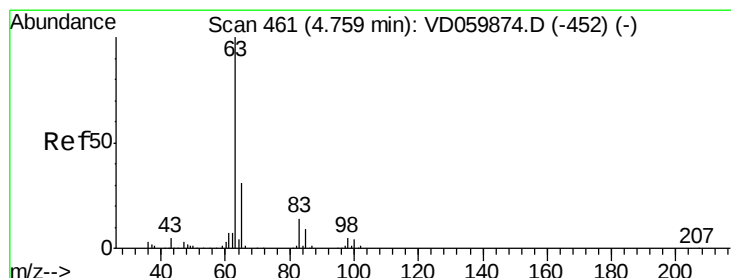
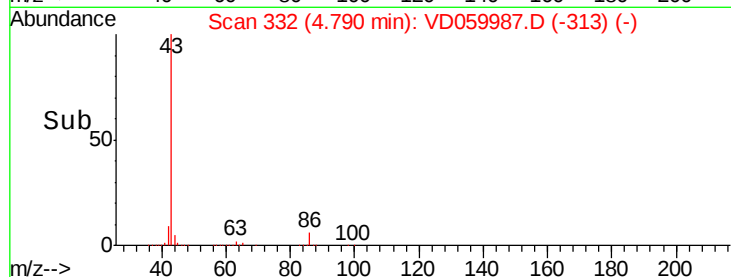
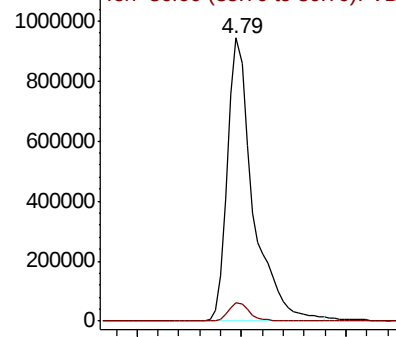
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.90 ug/l

RT: 4.74 min Scan# 327

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

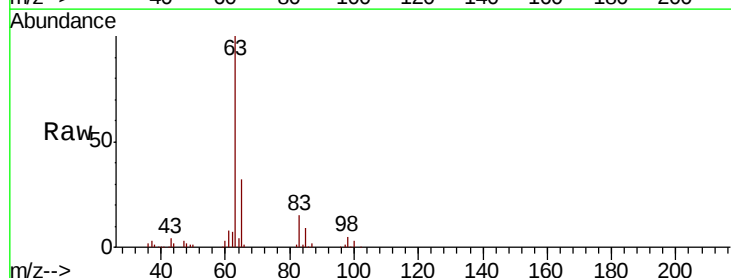
Tgt Ion: 63 Resp: 486985

Ion Ratio Lower Upper

63 100

98 5.1 2.7 8.1

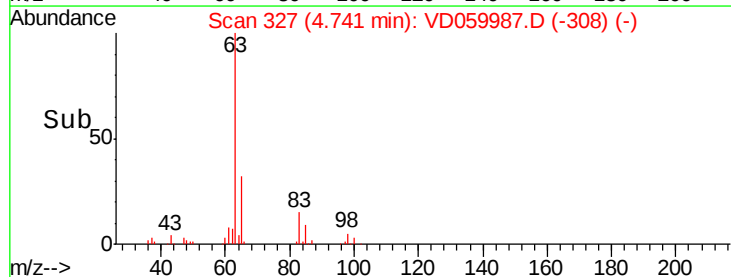
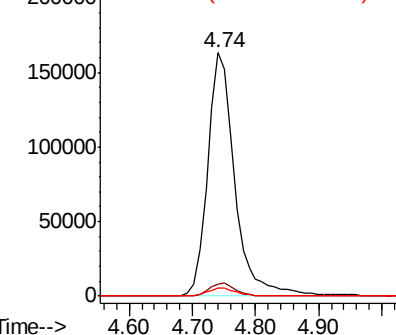
100 3.2 1.8 5.3



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: 79.57 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 43 Resp: 507242

Ion Ratio Lower Upper

43 100

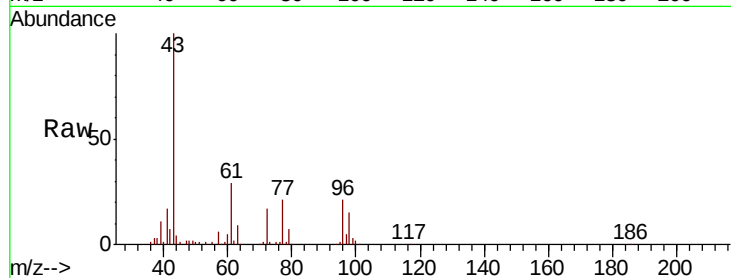
72 17.0 12.3 18.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

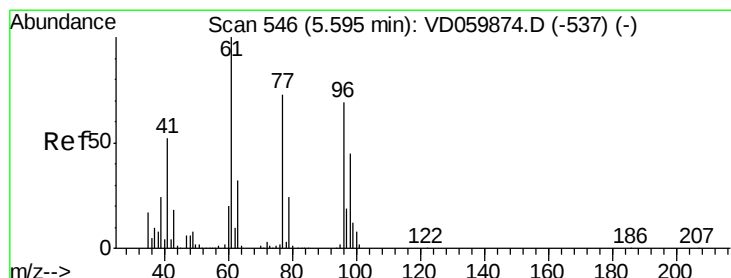
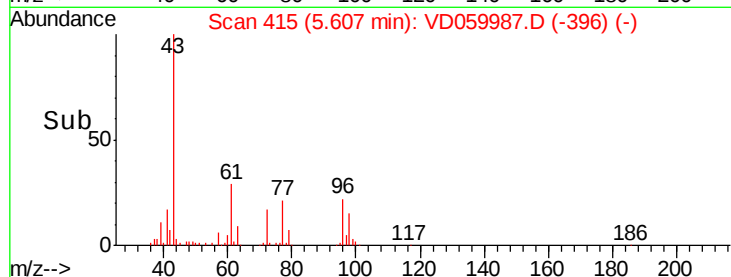
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 19.87 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD059987.D

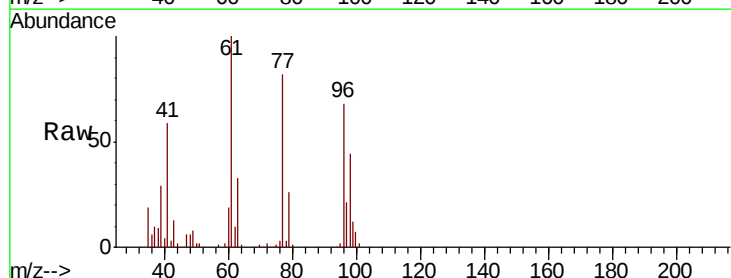
Acq: 10 Sep 2018 12:30

Tgt Ion: 77 Resp: 406425

Ion Ratio Lower Upper

77 100

97 25.3 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

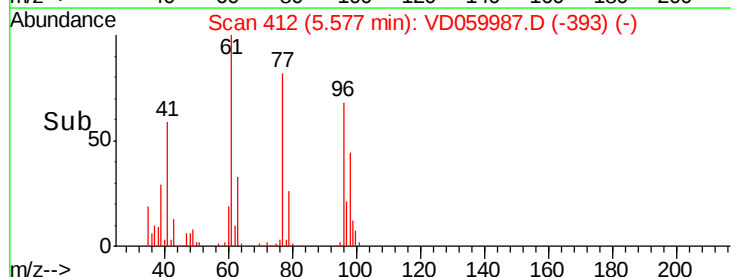
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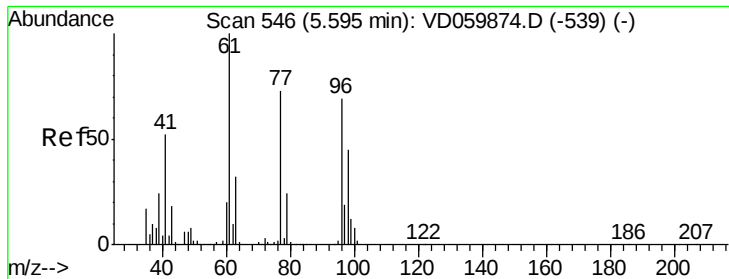
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

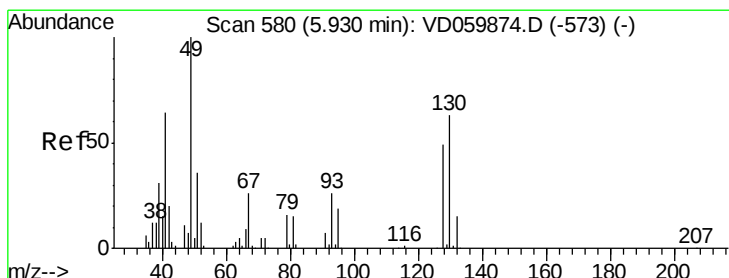
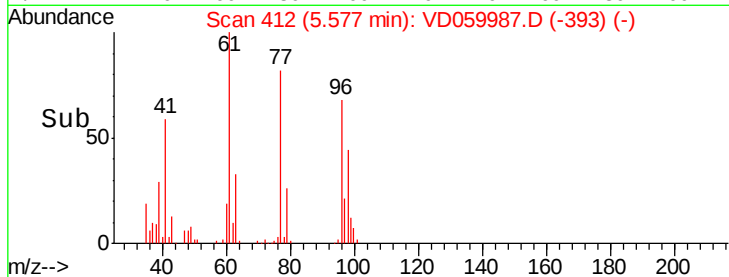
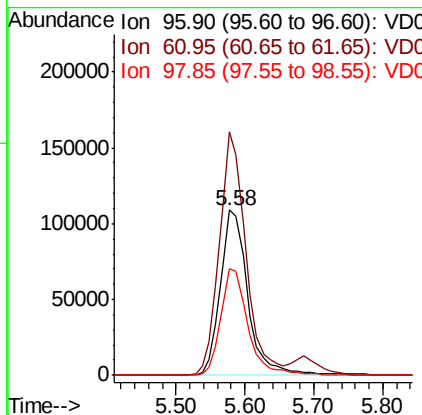
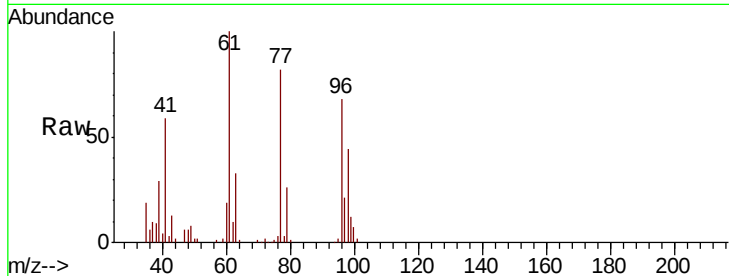
cis-1,2-Dichloroethene
 Concen: 20.38 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	147.4	0.0	290.2	
98	64.4	0.0	130.4	

Manual Integrations
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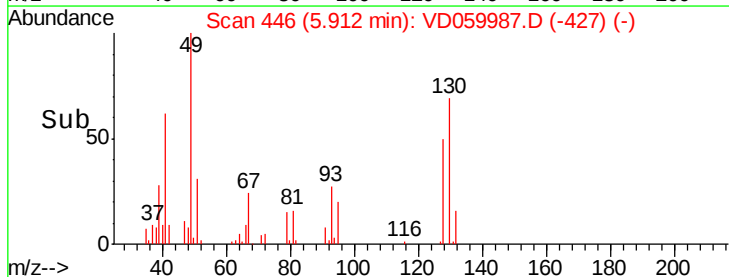
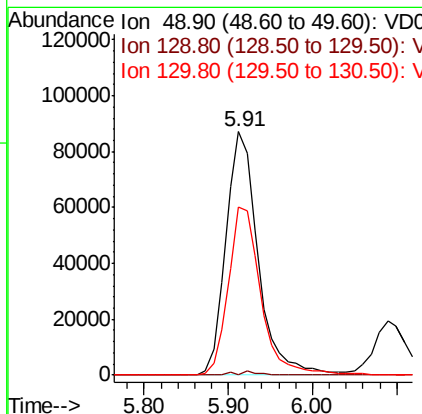
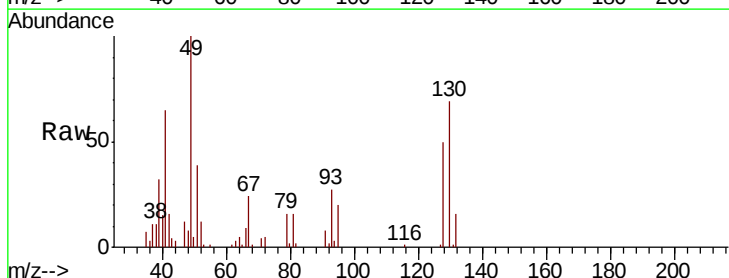
apatel
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#28

Bromochloromethane
 Concen: 19.75 ug/l
 RT: 5.91 min Scan# 446
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.0	0.0	3.2	
130	69.1	50.6	75.8	





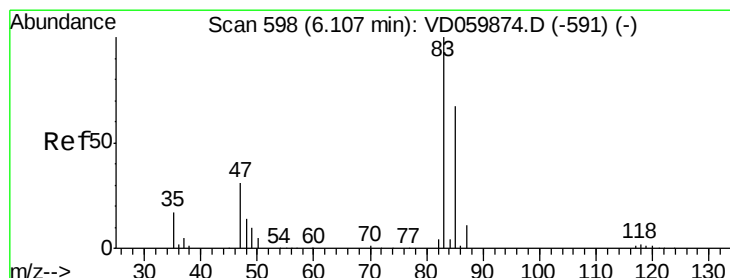
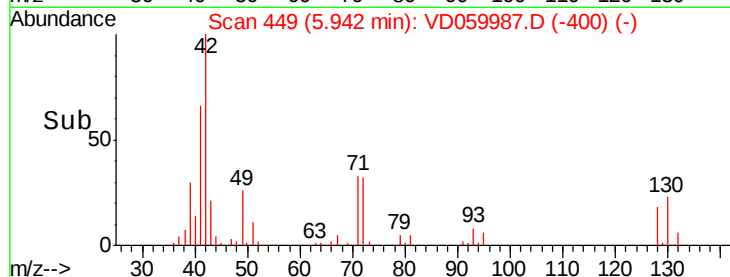
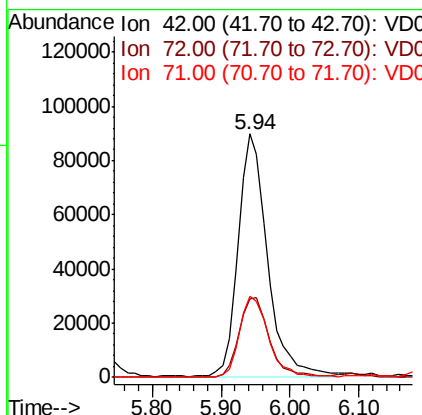
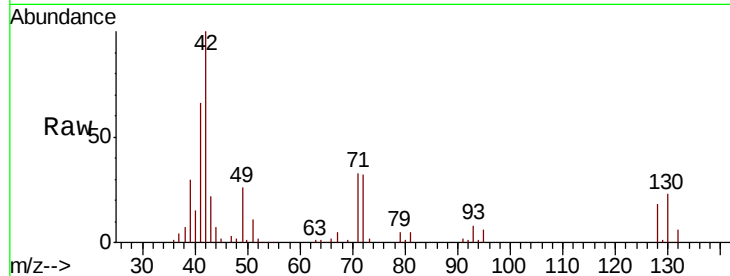
#29
Tetrahydrofuran
Concen: 86.72 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	25.7	38.5
71	33.2	25.3	37.9

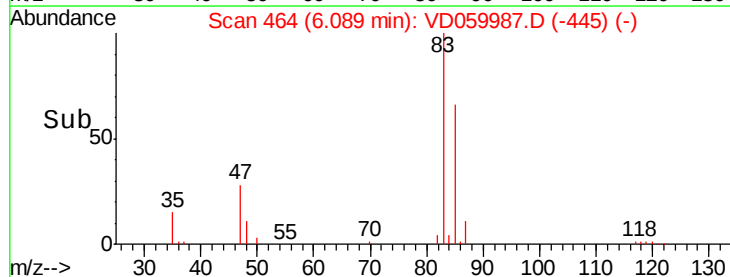
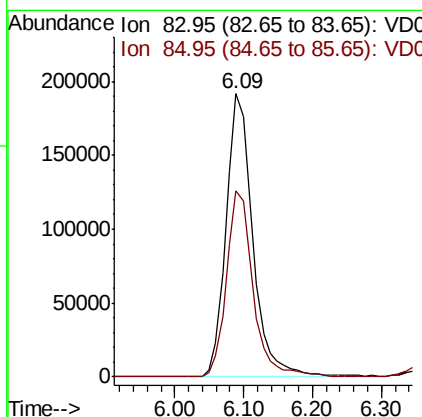
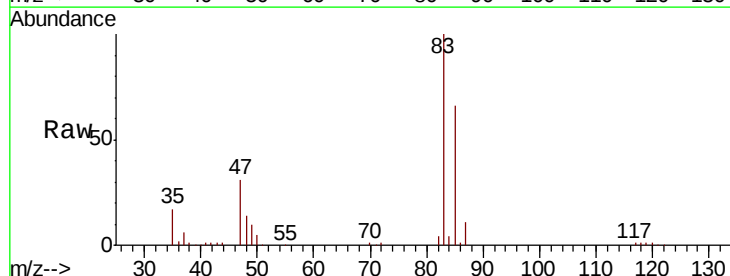
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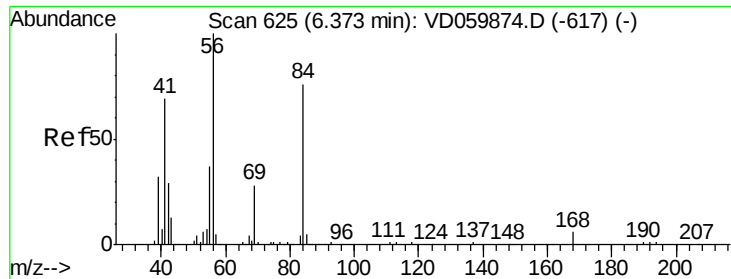
apatel
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#30
Chloroform
Concen: 20.72 ug/l
RT: 6.09 min Scan# 464
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.5	80.3





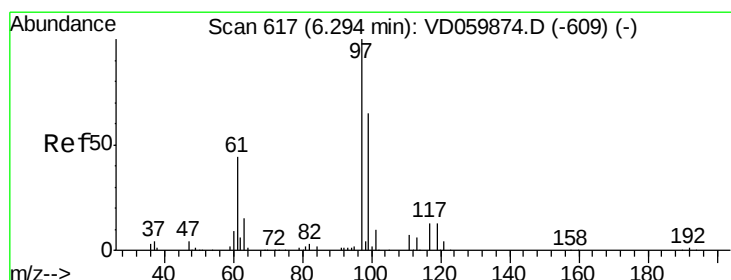
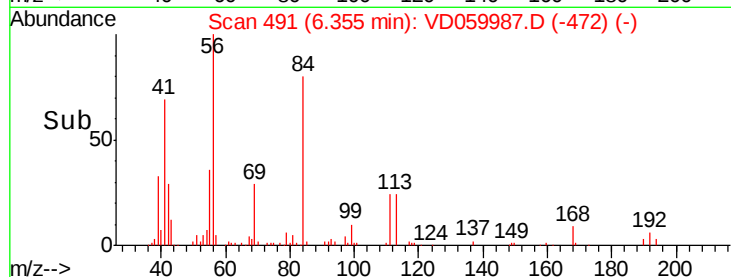
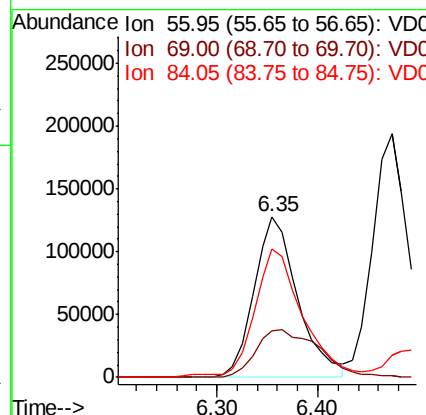
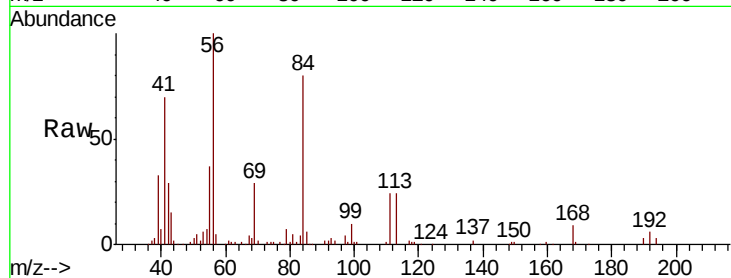
#31
Cyclohexane
Concen: 17.05 ug/l
RT: 6.35 min Scan# 491
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.4	33.6
84	79.7	62.1	93.1

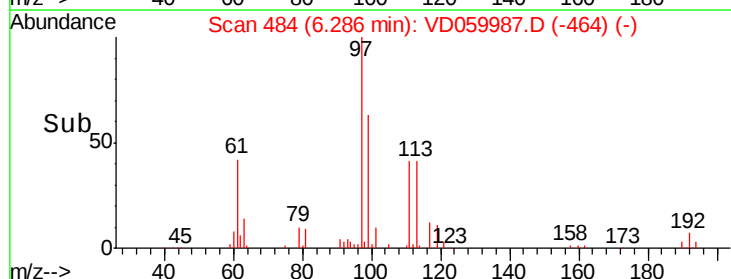
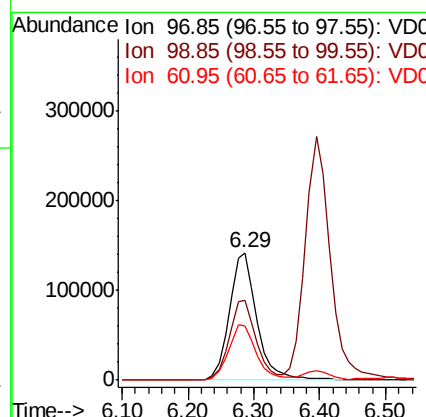
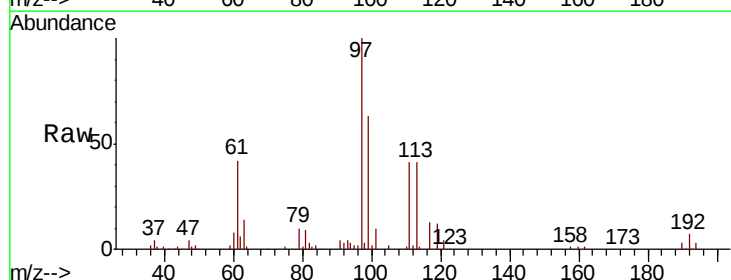
Manual Integrations
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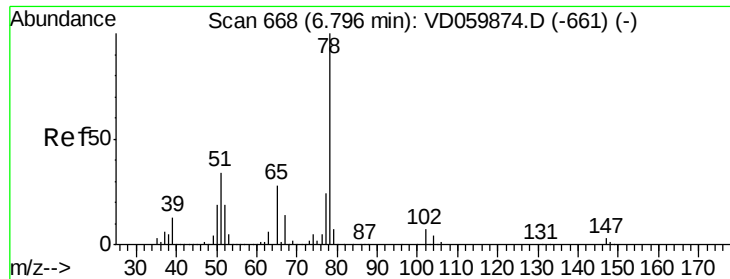
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#32
1,1,1-Trichloroethane
Concen: 19.59 ug/l
RT: 6.29 min Scan# 484
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.7	77.5
61	42.0	35.4	53.2





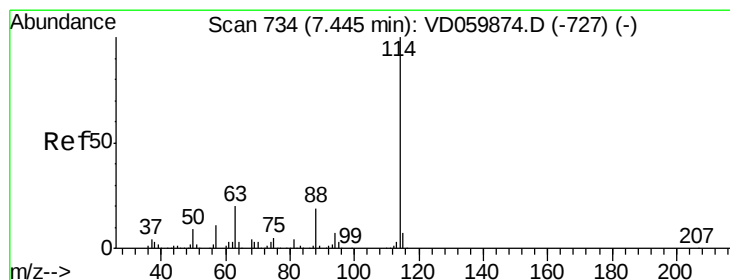
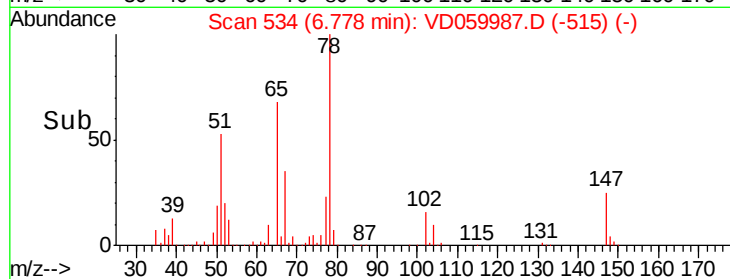
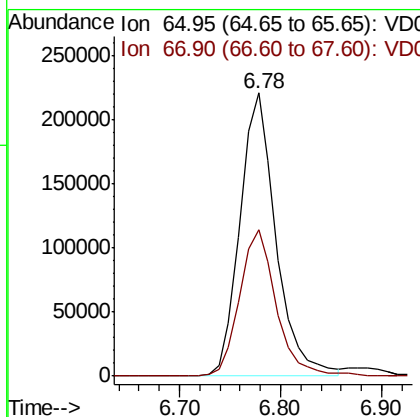
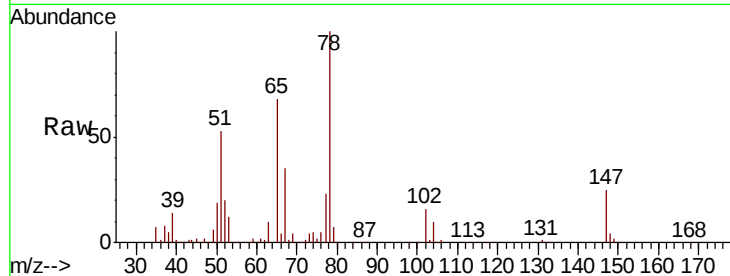
#33
 1,2-Dichloroethane-d4
 Concen: 19.59 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	549796		
67	51.6	0.0	103.8	

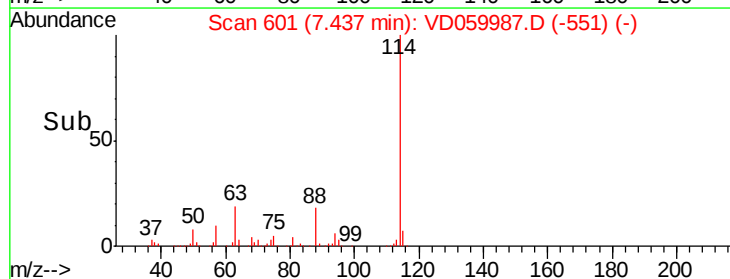
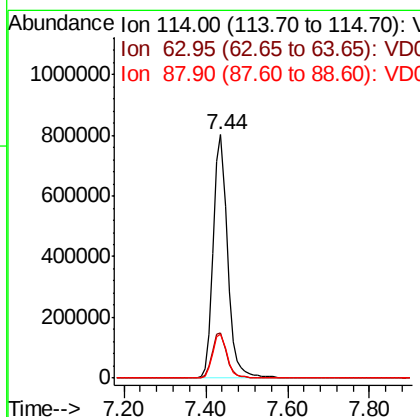
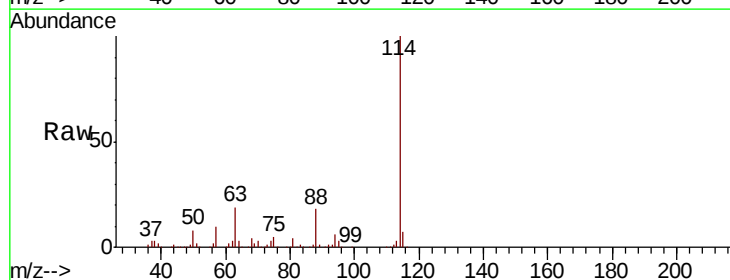
Manual Integrations
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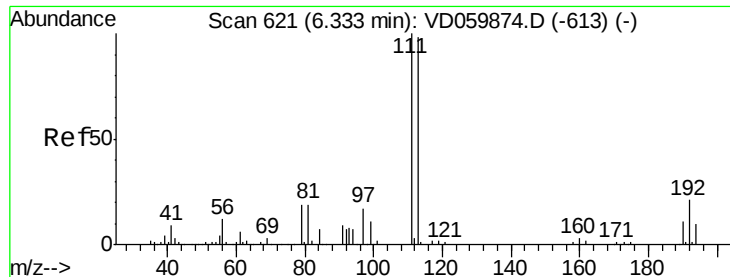
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1929697		
63	18.7	0.0	39.4	
88	17.9	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.32 min Scan# 487

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

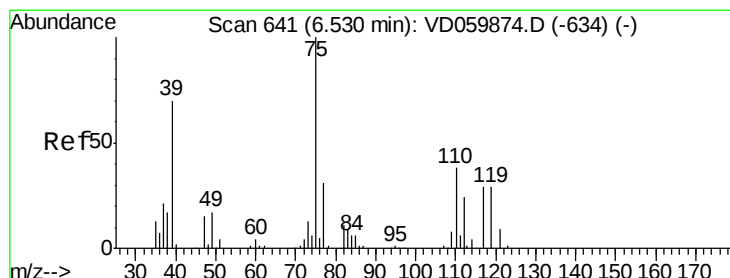
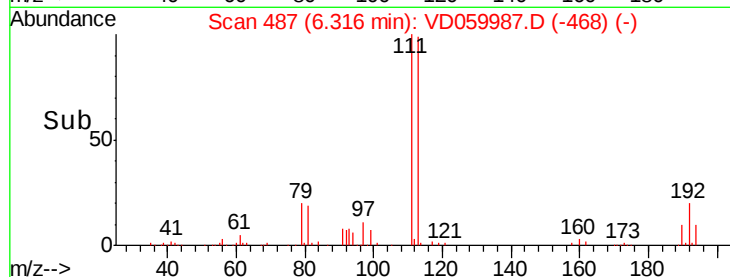
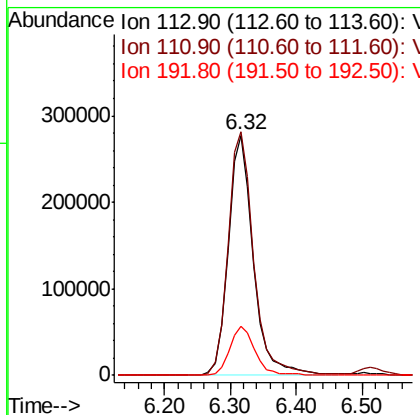
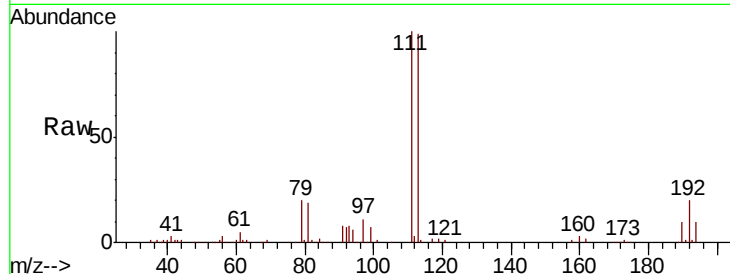
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	737914		
111	101.5	81.4	122.2	
192	20.3	17.0	25.6	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.59 ug/l

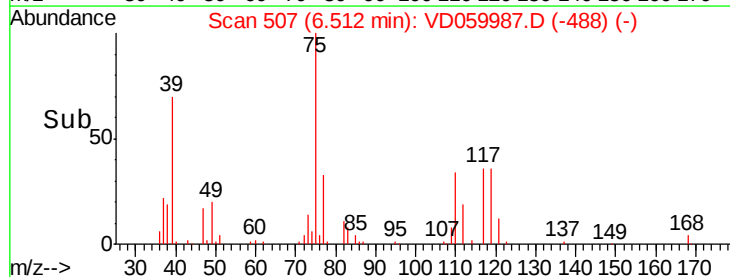
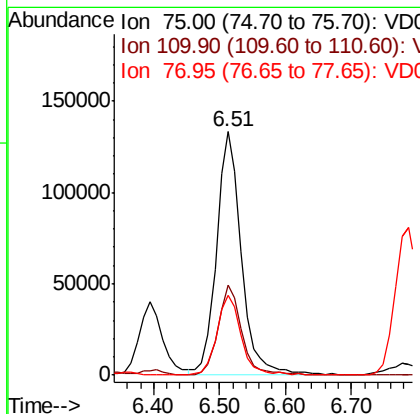
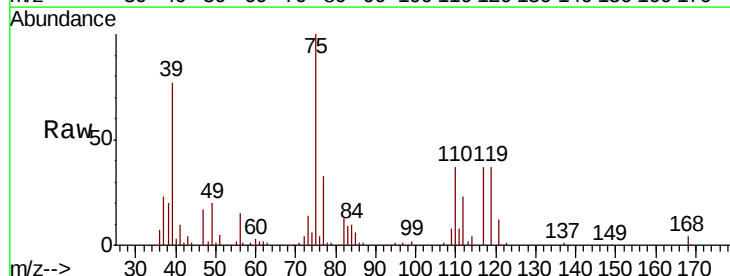
RT: 6.51 min Scan# 507

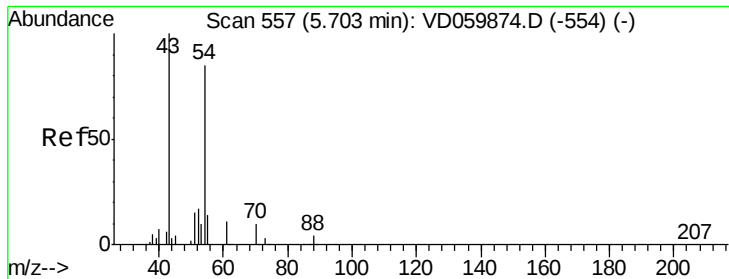
Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	342689		
110	36.8	18.6	56.0	
77	32.9	25.1	37.7	





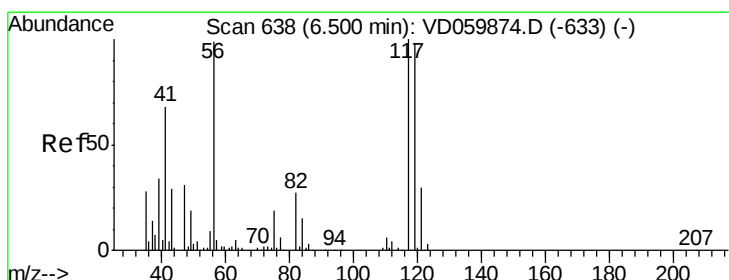
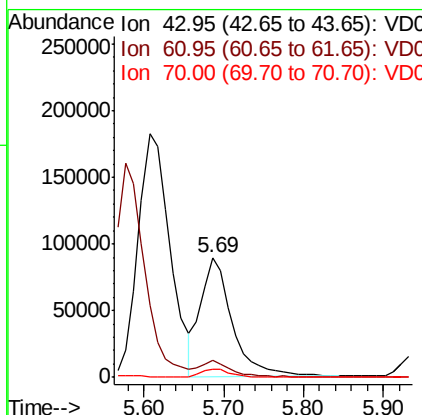
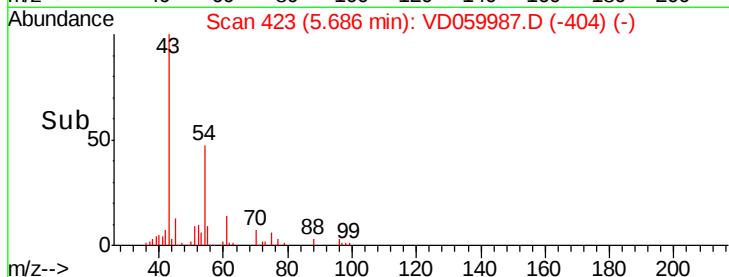
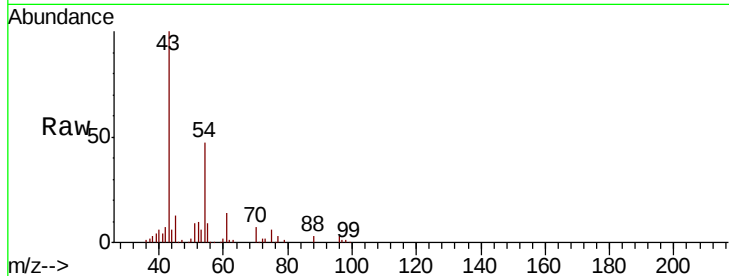
#37
Ethyl Acetate
Concen: 17.83 ug/l
RT: 5.69 min Scan# 423
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleID :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.6
70	6.9	5.7	8.5

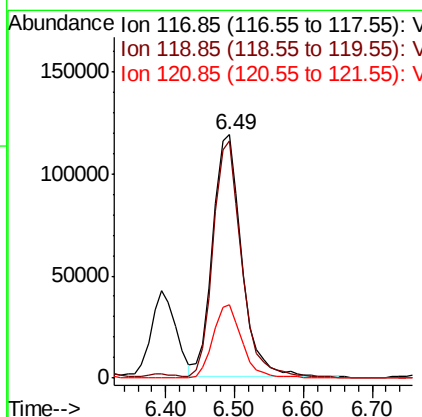
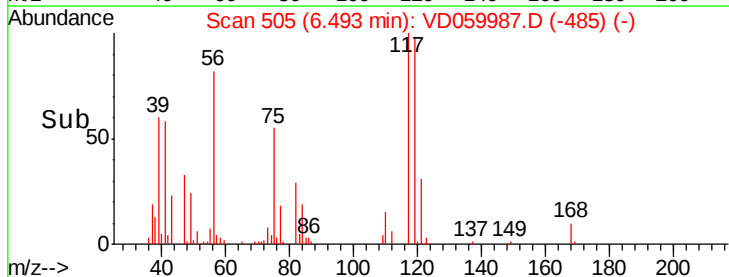
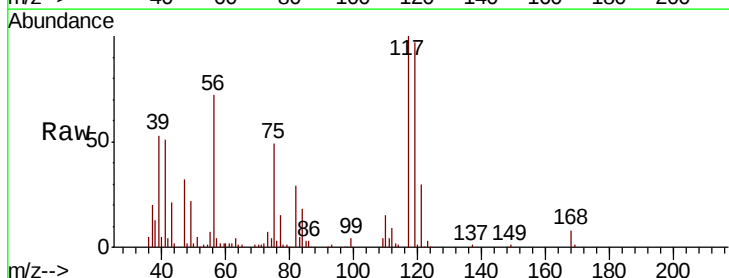
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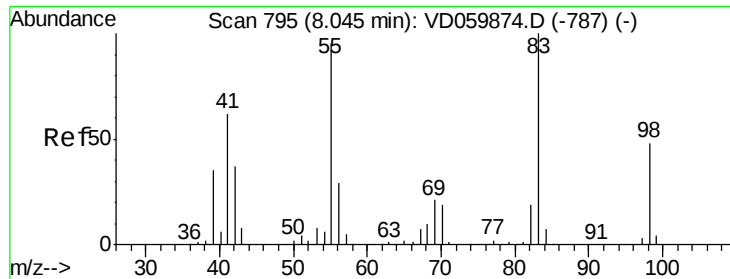
apatel
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#38
Carbon Tetrachloride
Concen: 19.63 ug/l
RT: 6.49 min Scan# 505
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.2	115.8
121	30.2	24.0	36.0





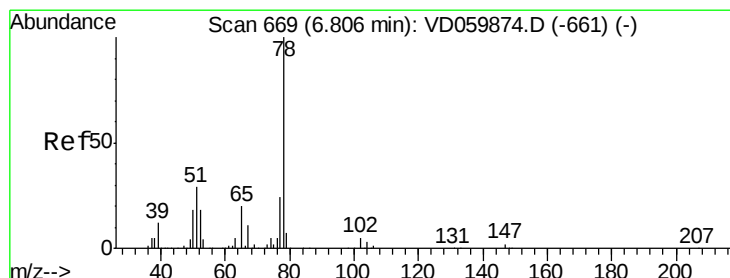
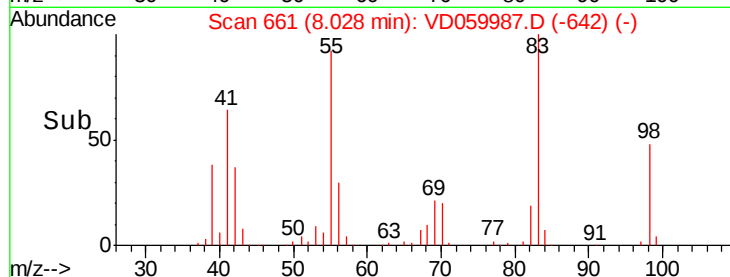
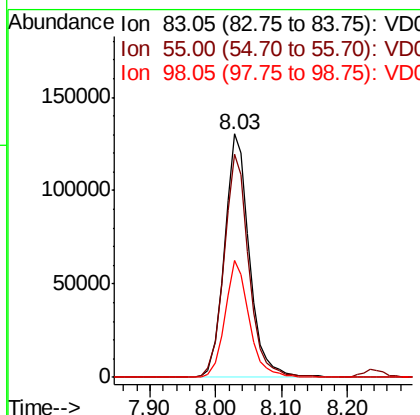
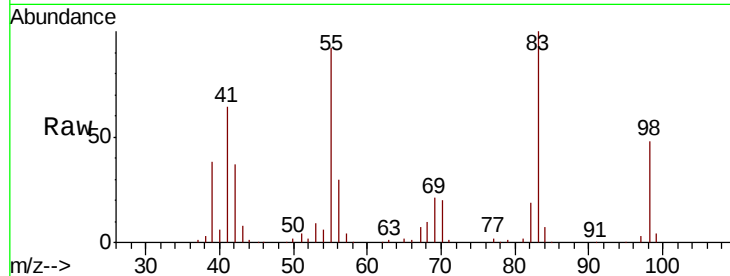
#39
Methvlcvclohexane
Concen: 18.16 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.9	75.8	113.6
98	48.1	38.3	57.5

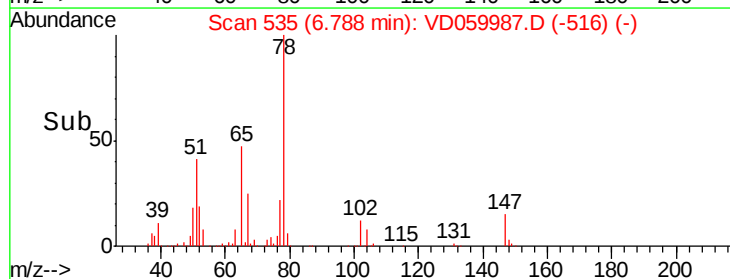
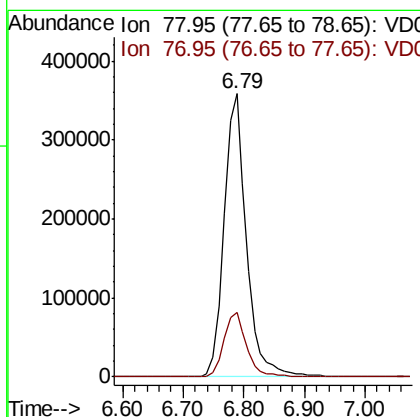
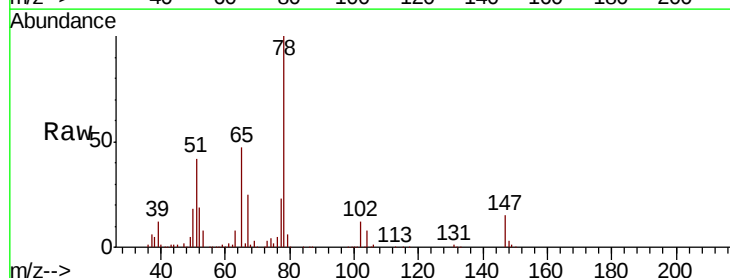
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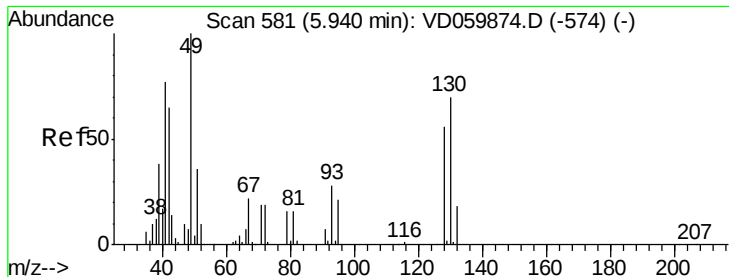
apatel
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#40
Benzene
Concen: 20.14 ug/l
RT: 6.79 min Scan# 535
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4





#41

Methacrylonitrile

Concen: 18.77 ug/l m

RT: 5.91 min Scan# 446

Delta R.T. -0.03 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 41 Resp: 128692

Ion Ratio Lower Upper

41 100

39 49.5 39.4 59.2

67 37.7 22.2 33.2#

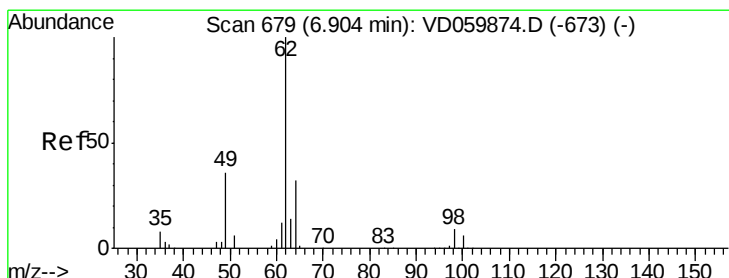
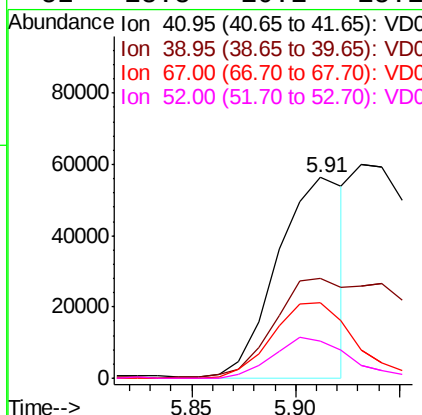
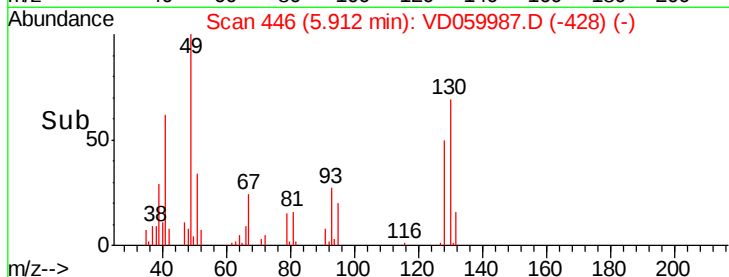
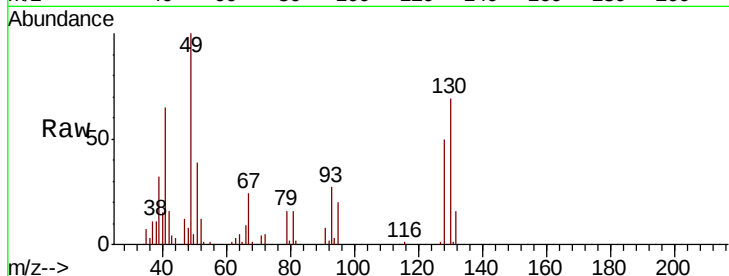
52 18.8 10.1 15.1#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 19.18 ug/l

RT: 6.89 min Scan# 545

Delta R.T. -0.02 min

Lab File: VD059987.D

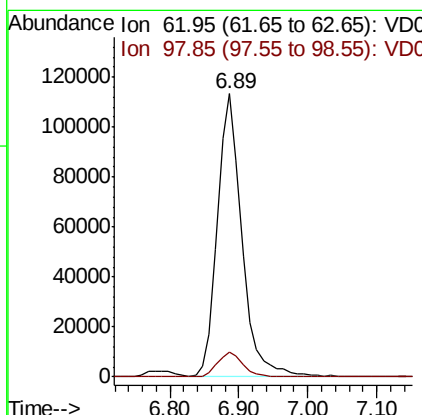
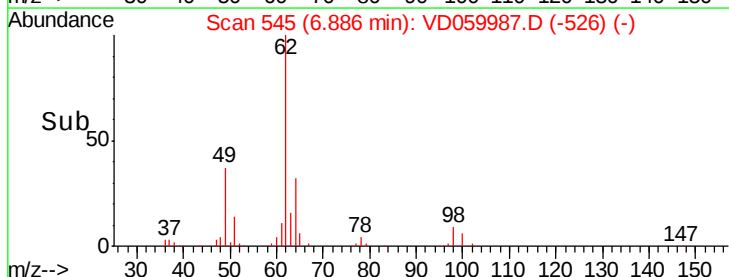
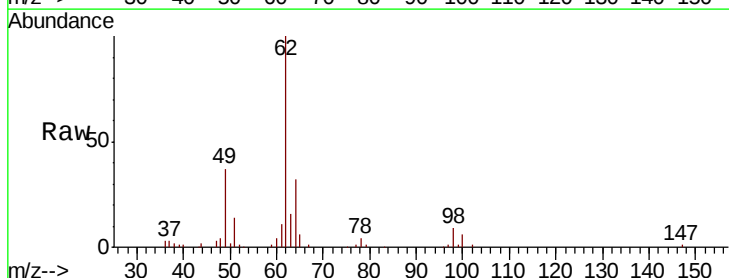
Acq: 10 Sep 2018 12:30

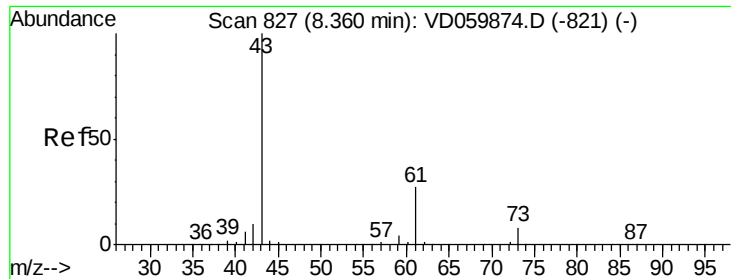
Tgt Ion: 62 Resp: 280073

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.4





#43

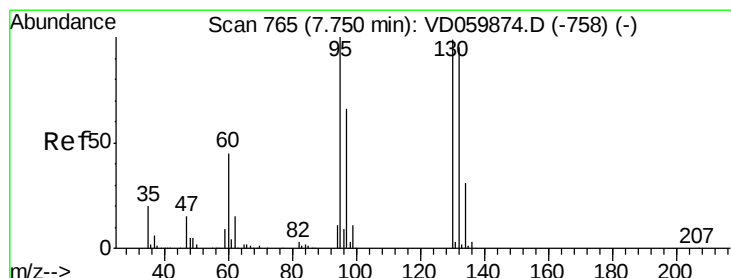
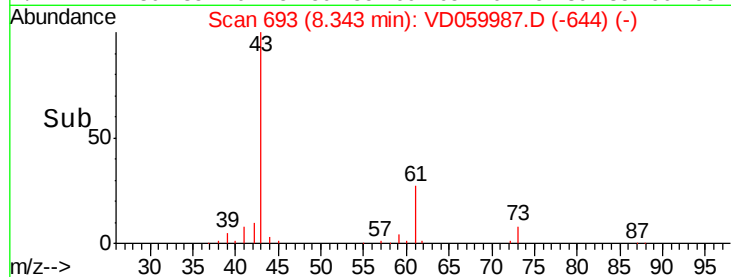
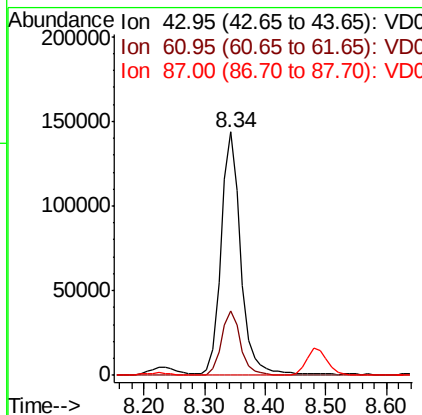
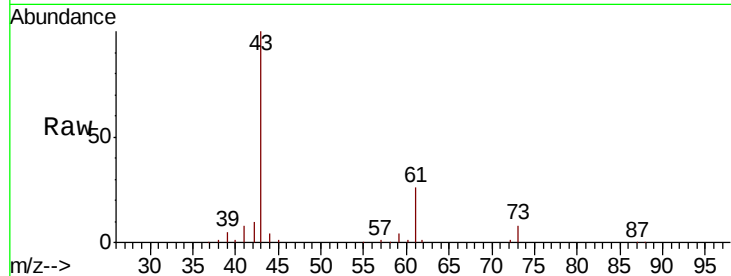
Isopropyl Acetate
 Concen: 18.24 ug/l
 RT: 8.34 min Scan# 693
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.4	32.2
87	0.2	0.2	0.4

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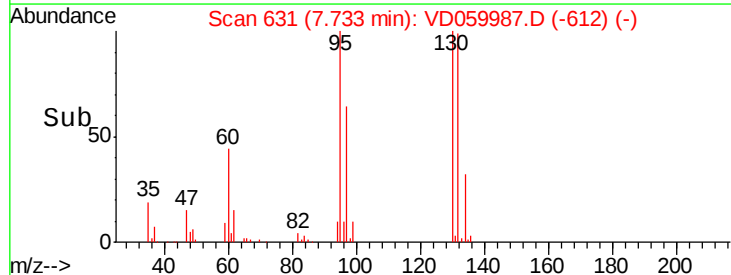
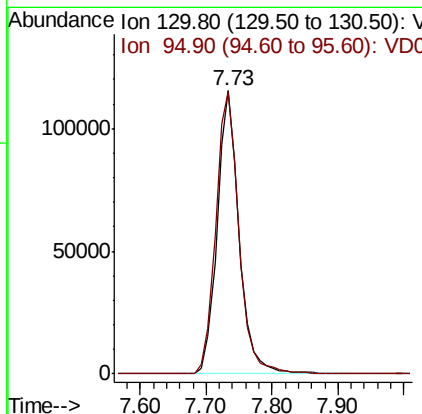
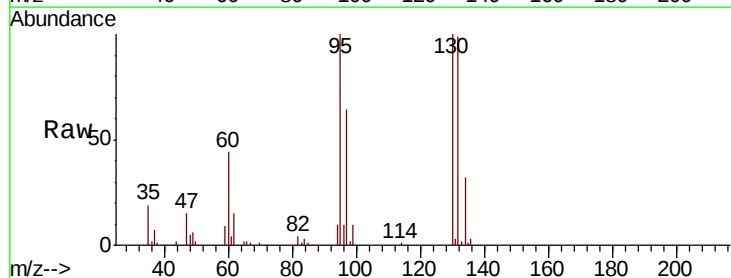
apatel
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#44

Trichloroethene
 Concen: 19.86 ug/l
 RT: 7.73 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	202.0





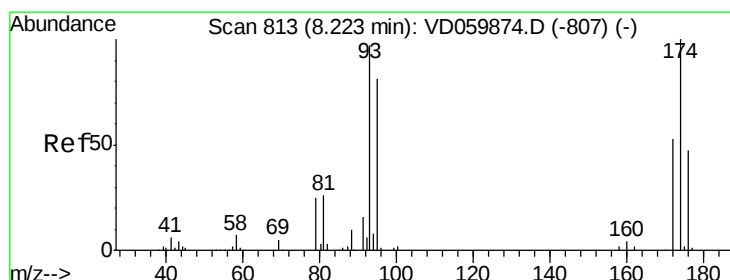
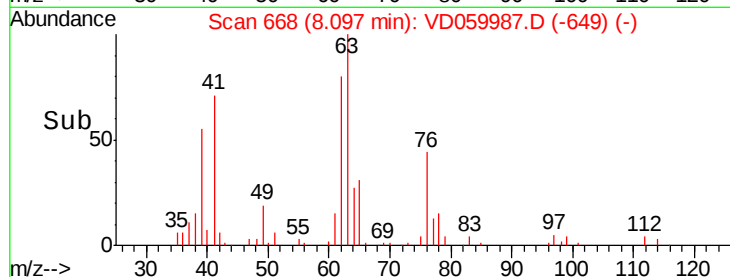
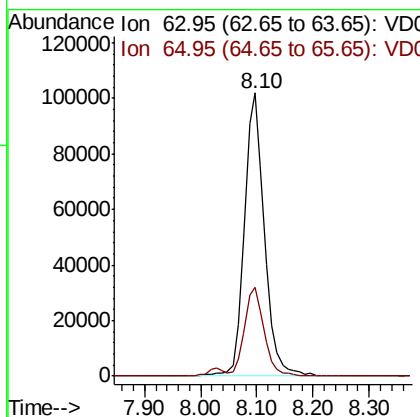
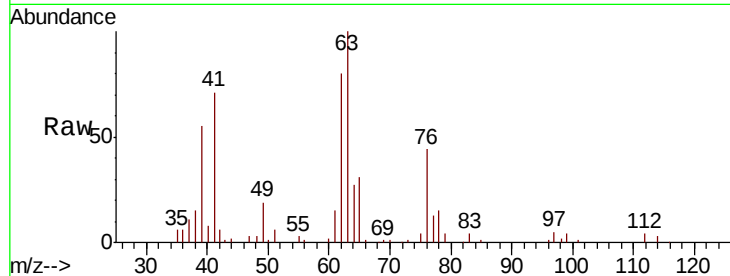
#45
 1,2-Dichloropropane
 Concen: 19.74 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.5	35.3

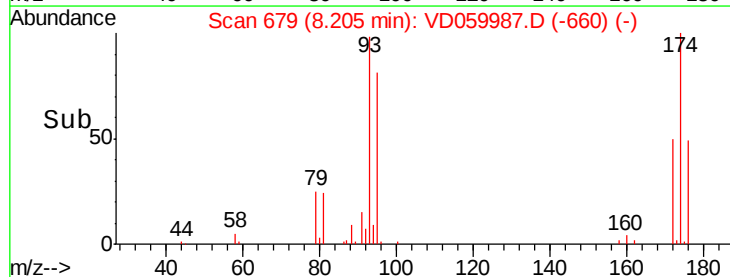
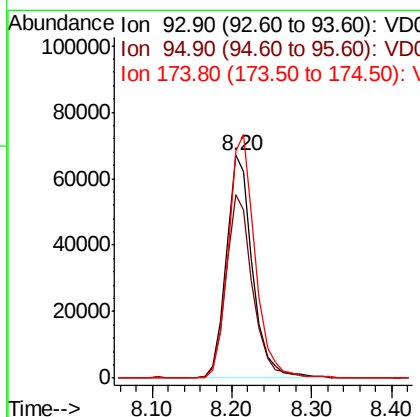
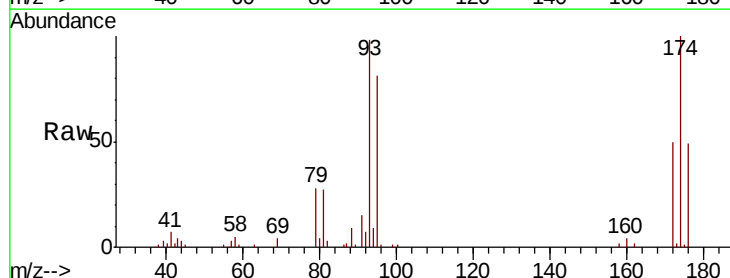
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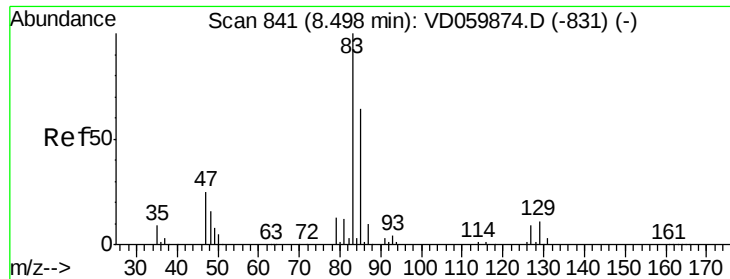
apatel
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#46
 Dibromomethane
 Concen: 18.86 ug/l
 RT: 8.20 min Scan# 679
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	100.0
174	101.8	82.4	123.6





#47

Bromodichloromethane

Concen: 19.51 ug/l

RT: 8.48 min Scan# 707

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

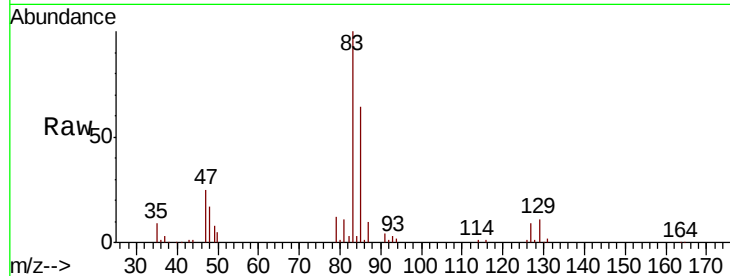
ClientSampleId :

VD0910SBS01

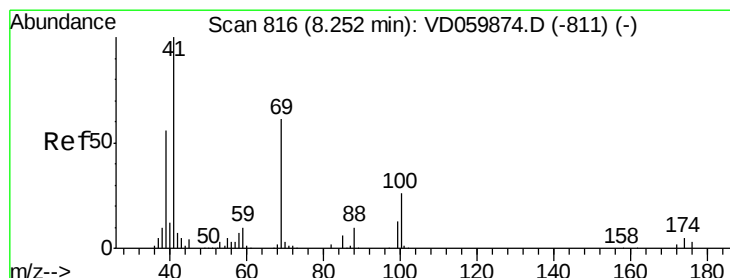
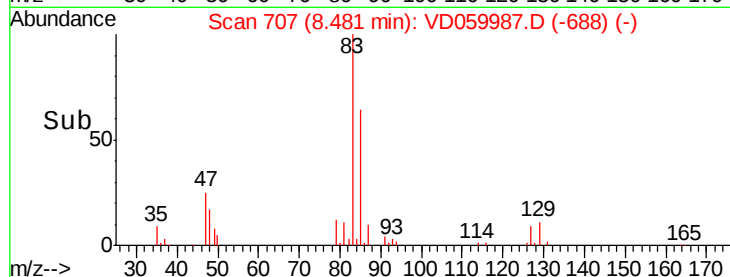
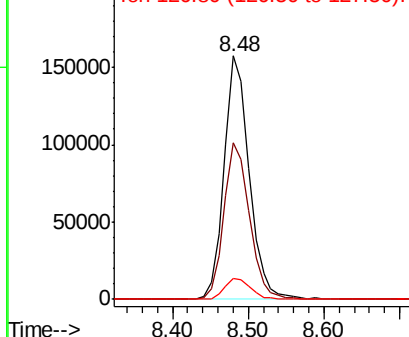
Tot Ion:	83	Resp:	361019
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.3	76.9
127	8.5	7.0	10.4

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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: 17.69 ug/l

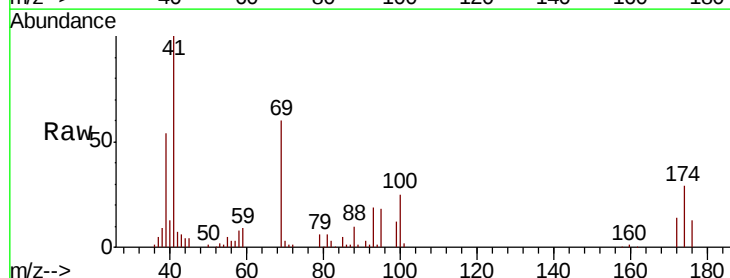
RT: 8.23 min Scan# 682

Delta R.T. -0.02 min

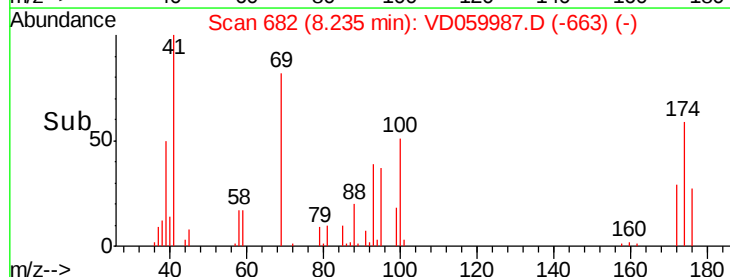
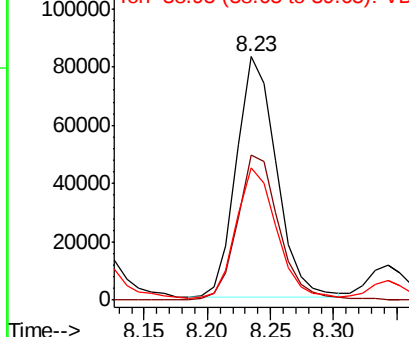
Lab File: VD059987.D

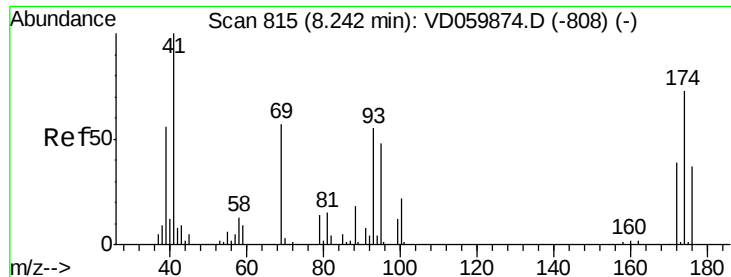
Acq: 10 Sep 2018 12:30

Tgt Ion:	41	Resp:	182639
Ion Ratio	Lower	Upper	
41	100		
69	59.7	48.0	72.0
39	54.4	45.4	68.0



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





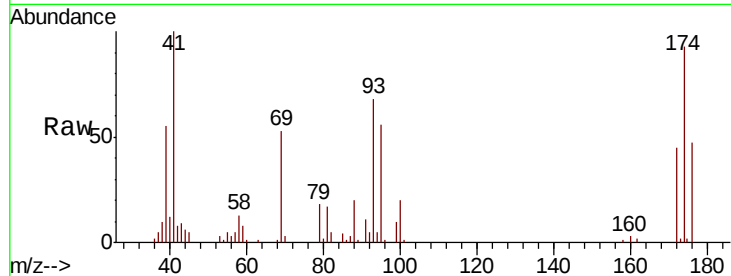
#49
1,4-Dioxane
Concen: 369.47 ug/l
RT: 8.22 min Scan# 681
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

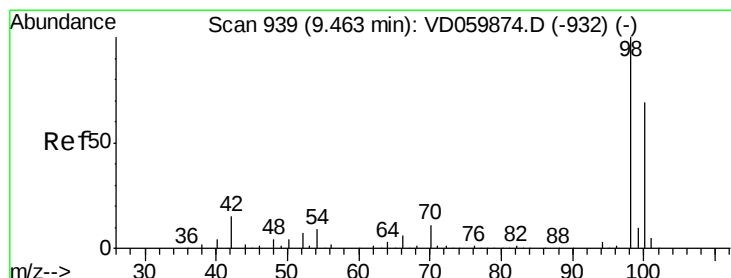
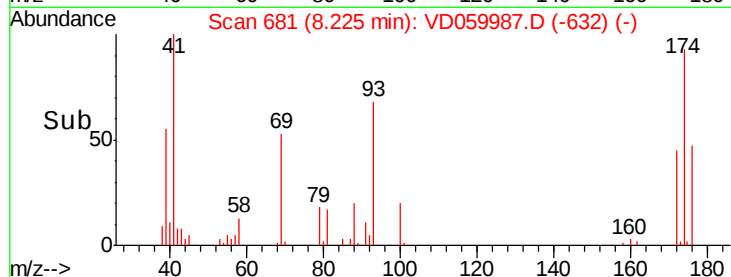
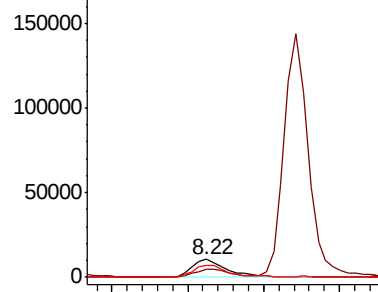
Tot Ion	Ratio	Lower	Upper
88	100		
43	45.8	45.0	67.6
58	64.0	55.8	83.8

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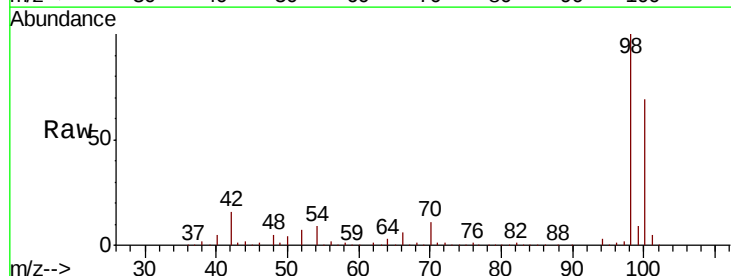


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

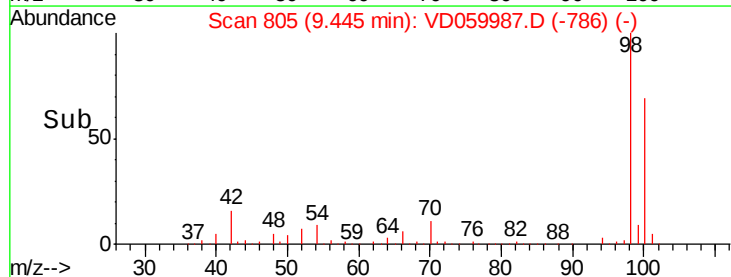
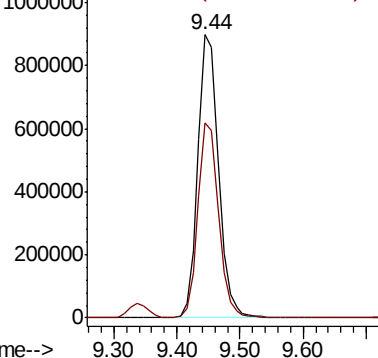


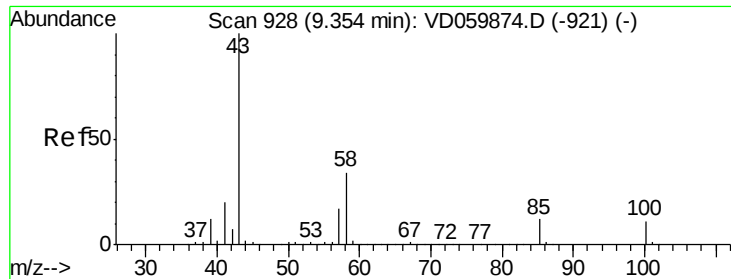
#50
Toluene-d8
Concen: 369.47 ug/l
RT: 9.44 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	55.8	83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 80.36 ug/l

RT: 9.34 min Scan# 794

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleID :

VD0910SBS01

Tot Ion: 43 Resp: 1060996

Ion Ratio Lower Upper

43 100

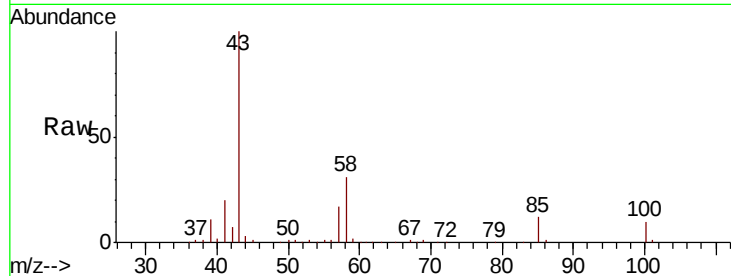
58 31.4 27.0 40.4

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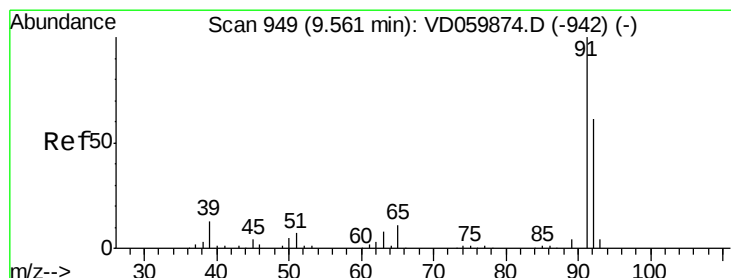
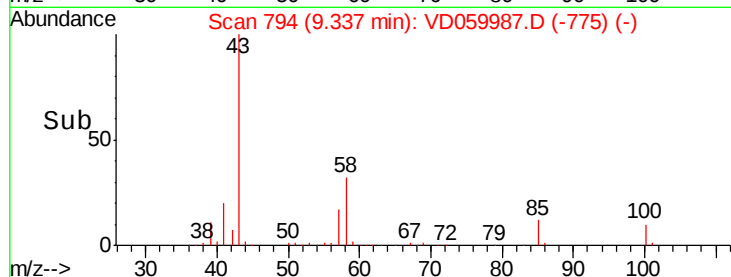
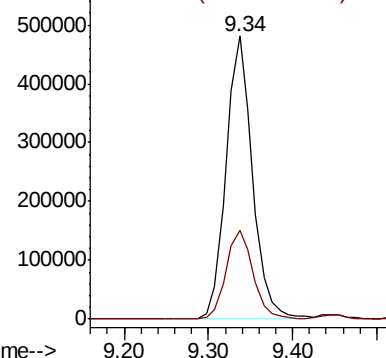
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.44 ug/l

RT: 9.54 min Scan# 815

Delta R.T. -0.02 min

Lab File: VD059987.D

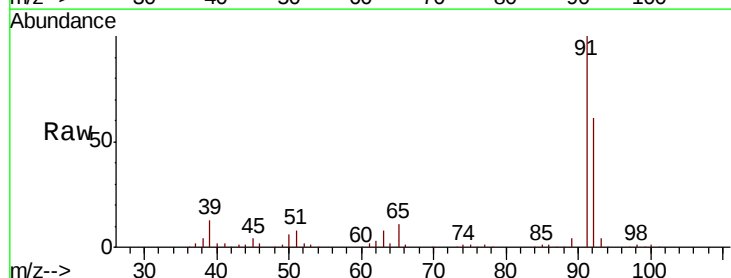
Acq: 10 Sep 2018 12:30

Tgt Ion: 92 Resp: 596082

Ion Ratio Lower Upper

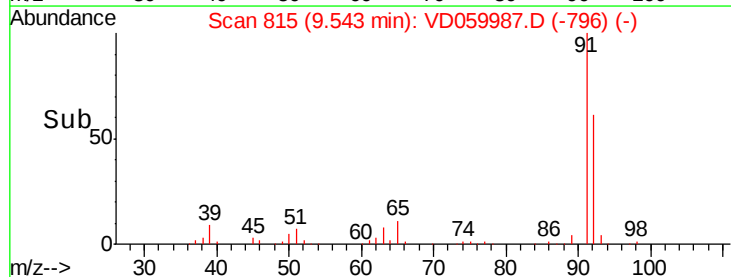
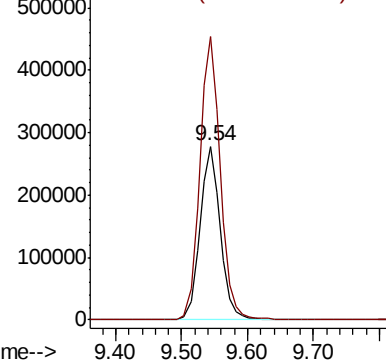
92 100

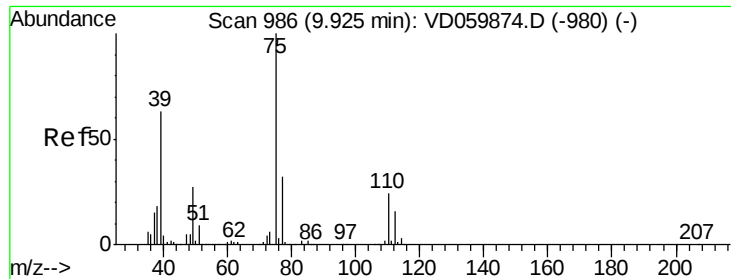
91 163.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





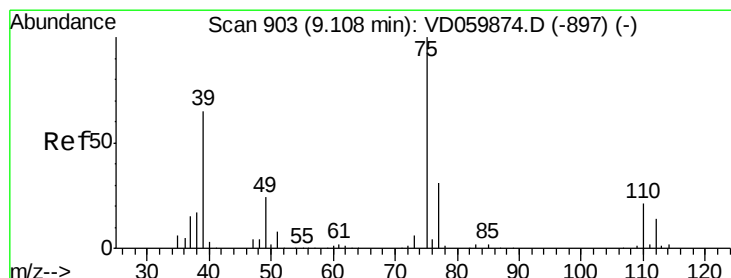
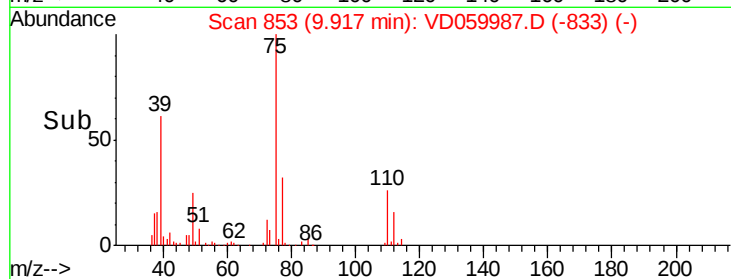
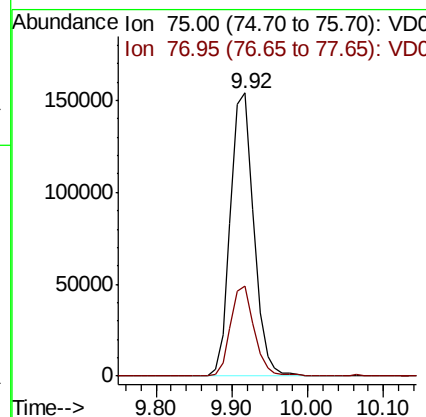
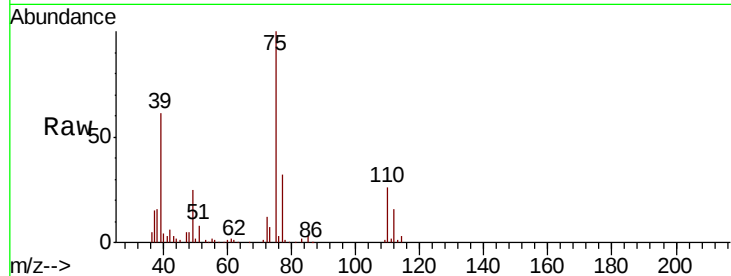
#53
 t-1,3-Dichloropropene
 Concen: 19.25 ug/l
 RT: 9.92 min Scan# 853
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 75 Resp: 329516
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.4 38.2

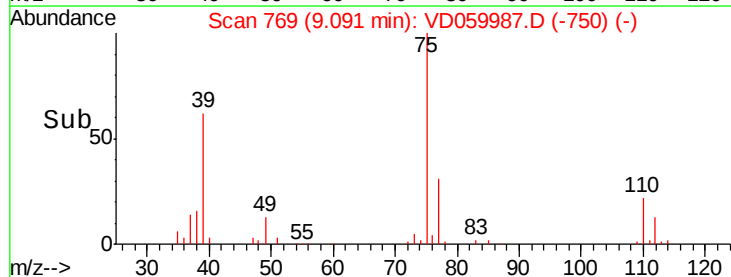
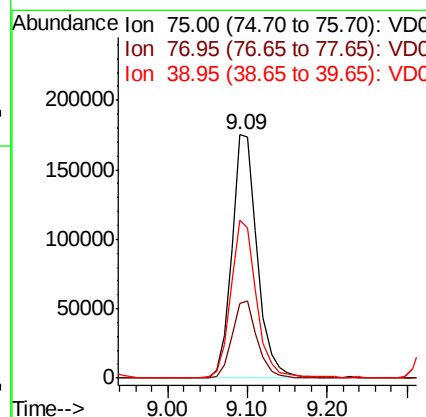
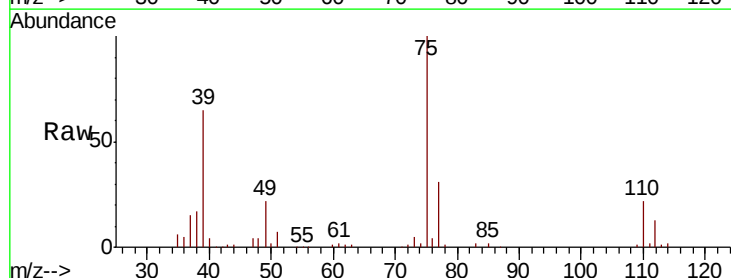
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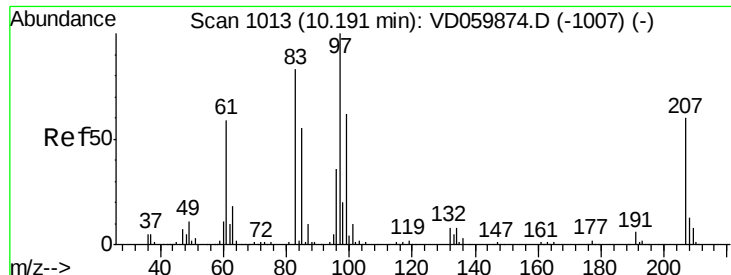
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#54
 cis-1,3-Dichloropropene
 Concen: 19.73 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion: 75 Resp: 391627
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2
 39 64.7 52.1 78.1





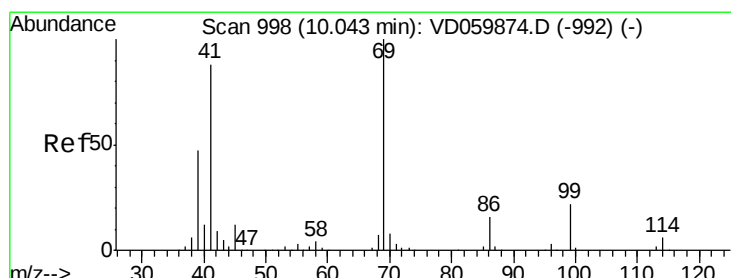
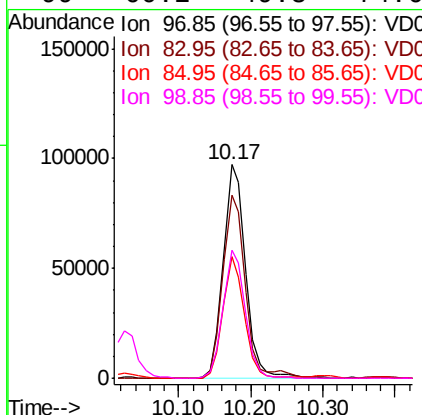
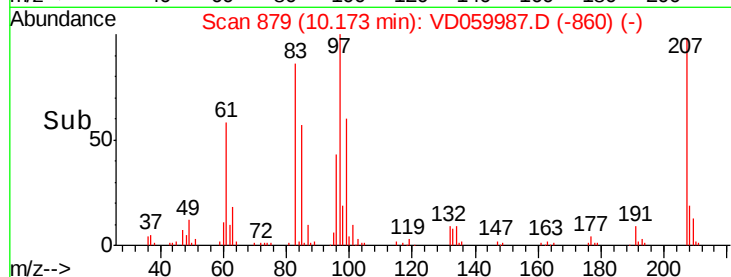
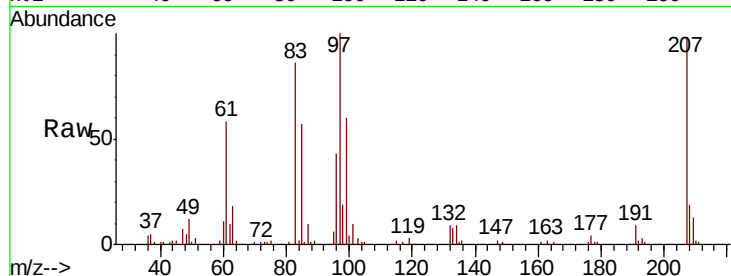
#55
 1,1,2-Trichloroethane
 Concen: 19.58 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	97	Ratio	100	Resp	208749
Ion	Ratio	Lower	Upper		
97	100				
83	85.7	66.7	100.1		
85	57.2	43.8	65.6		
99	60.2	49.8	74.6		

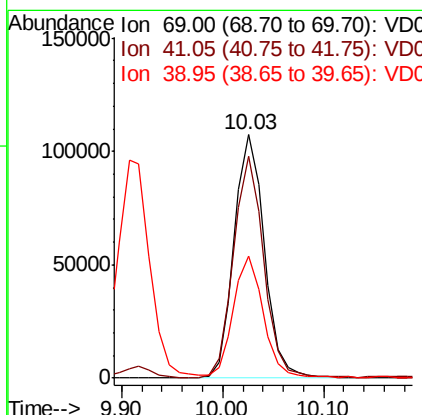
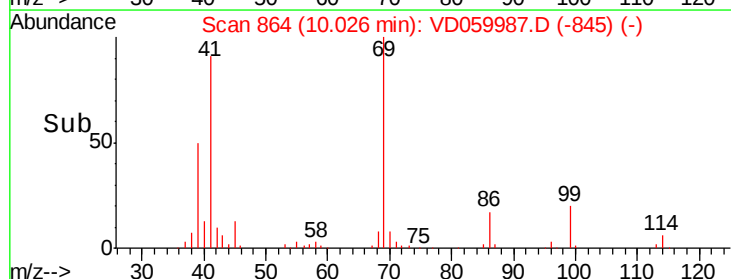
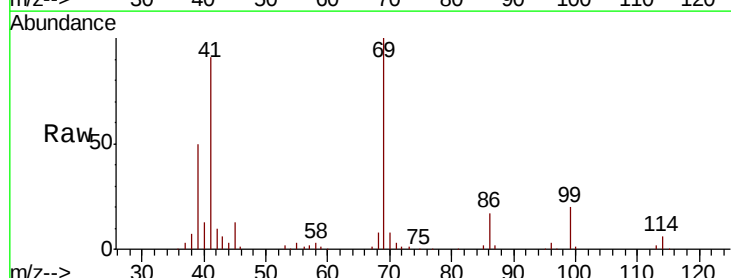
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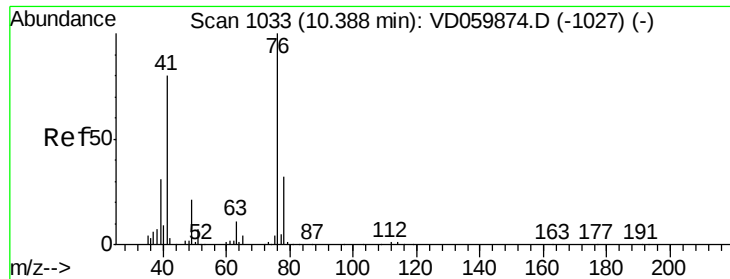
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#56
 Ethyl methacrylate
 Concen: 18.23 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	69	Ratio	100	Resp	224249
Ion	Ratio	Lower	Upper		
69	100				
41	91.0	71.0	106.4		
39	50.4	38.5	57.7		





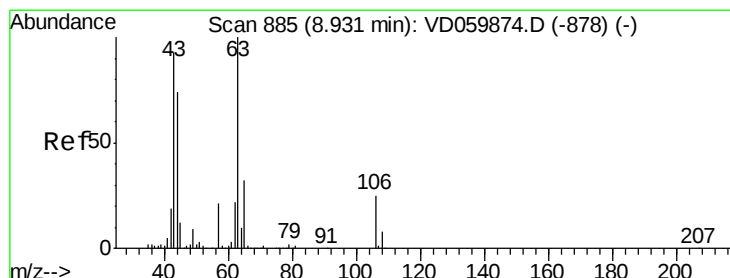
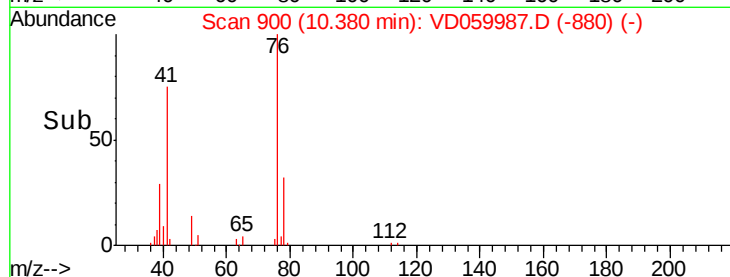
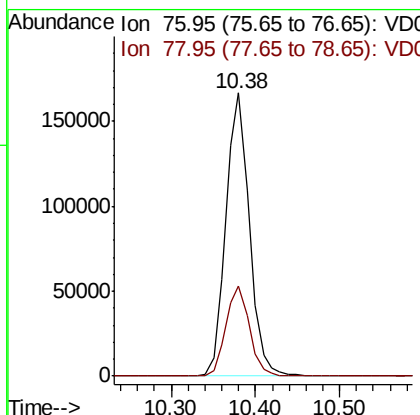
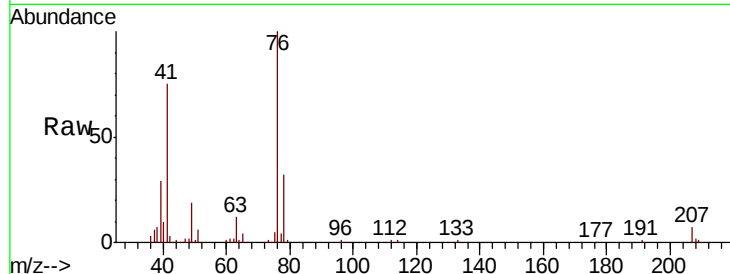
#57
 1,3-Dichloropropane
 Concen: 20.91 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 76 Resp: 322650
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

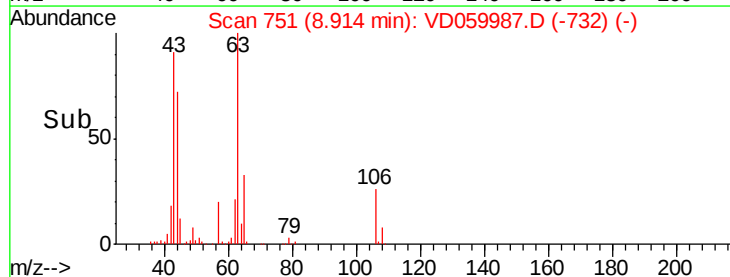
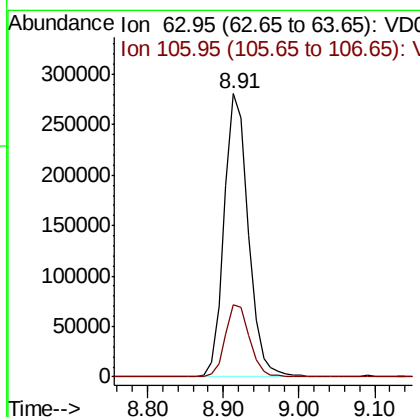
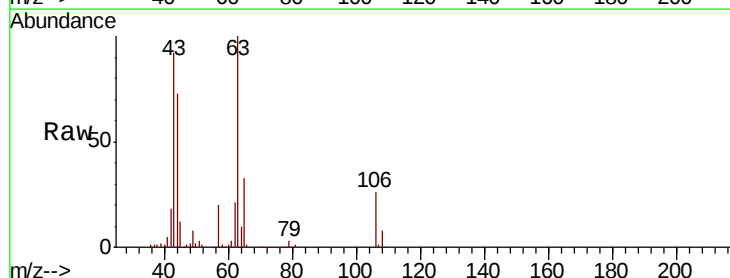
Manual Integrations
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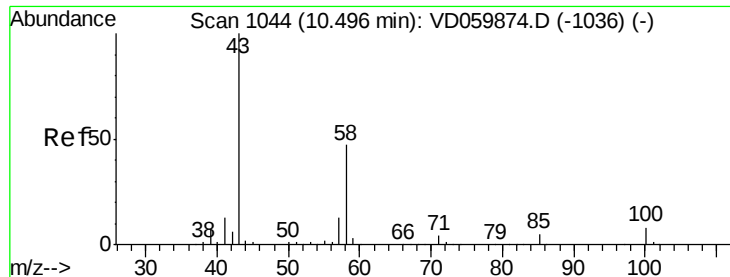
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#58
 2-Chloroethyl Vinyl ether
 Concen: 105.42 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion: 63 Resp: 622265
 Ion Ratio Lower Upper
 63 100
 106 25.7 20.1 30.1





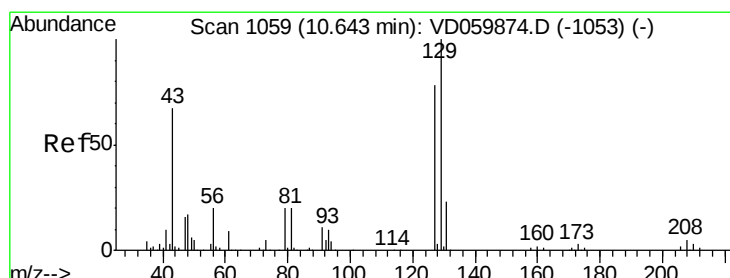
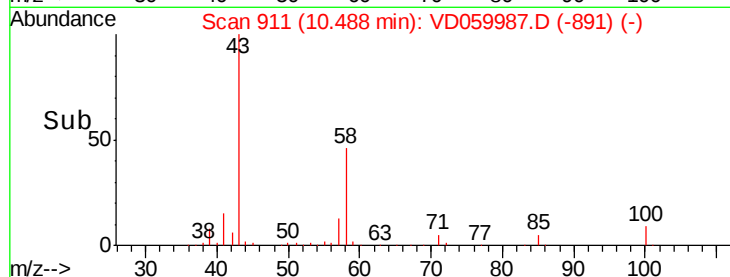
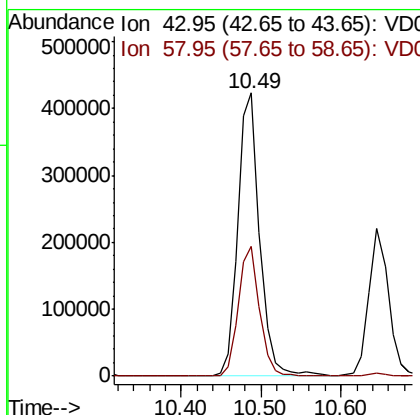
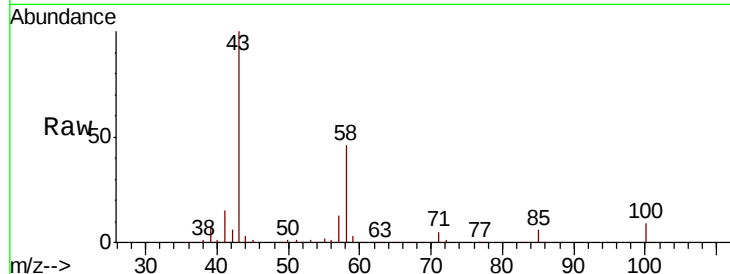
#59
2-Hexanone
Concen: 82.62 ug/l
RT: 10.49 min Scan# 911
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 43 Resp: 804532
Ion Ratio Lower Upper
43 100
58 45.9 23.3 69.8

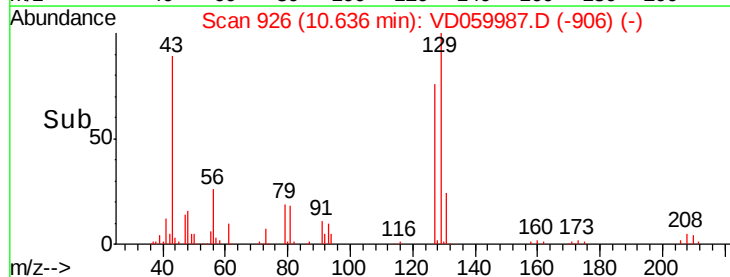
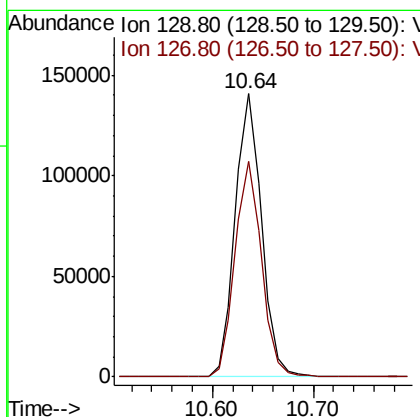
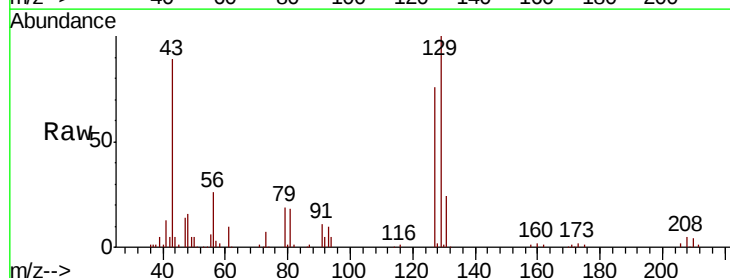
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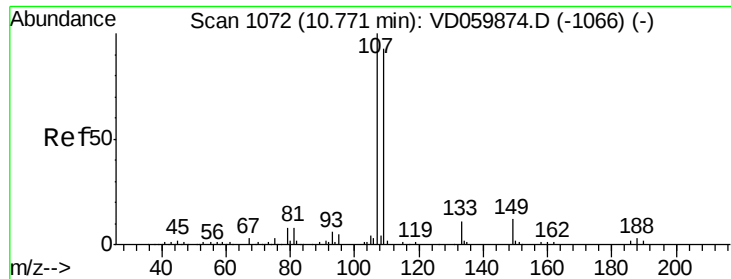
apatel
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#60
Dibromochloromethane
Concen: 19.08 ug/l
RT: 10.64 min Scan# 926
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 129 Resp: 255707
Ion Ratio Lower Upper
129 100
127 76.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.13 ug/l

RT: 10.75 min Scan# 938

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:107 Resp: 206184

Ion Ratio Lower Upper

107 100

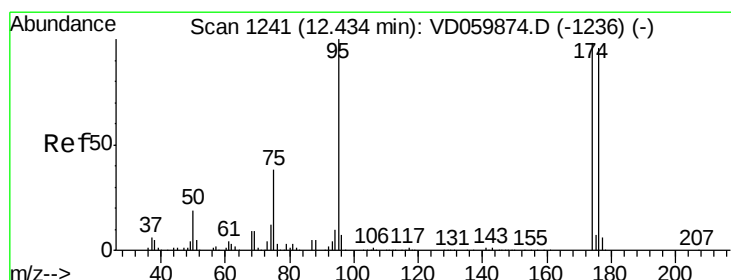
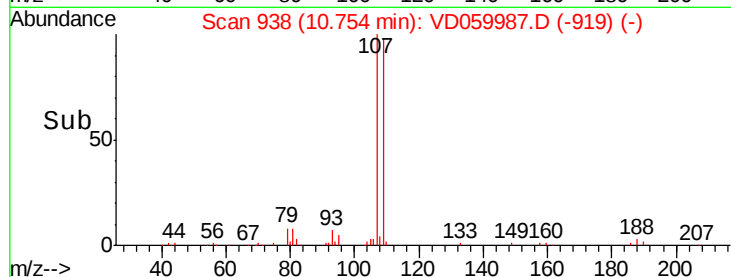
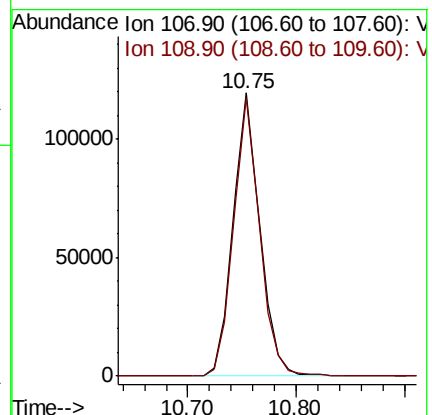
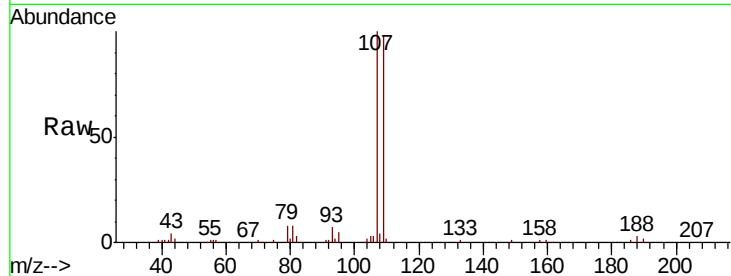
109 98.5 74.6 112.0

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#62

4-Bromofluorobenzene

Concen: 19.13 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

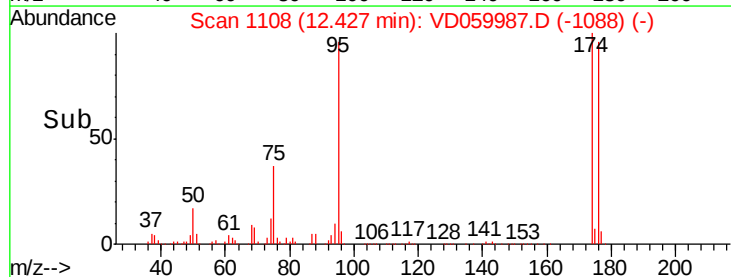
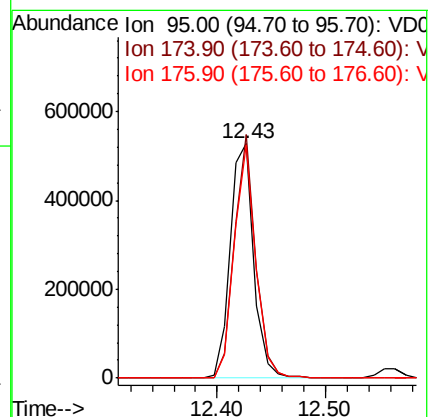
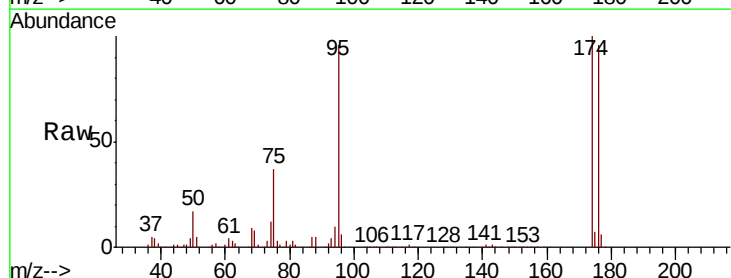
Tgt Ion: 95 Resp: 797380

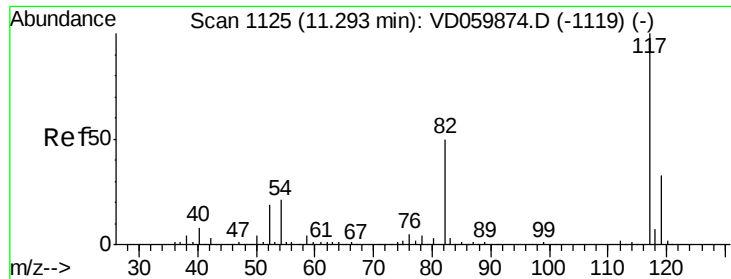
Ion Ratio Lower Upper

95 100

174 104.0 0.0 195.6

176 99.9 0.0 191.2





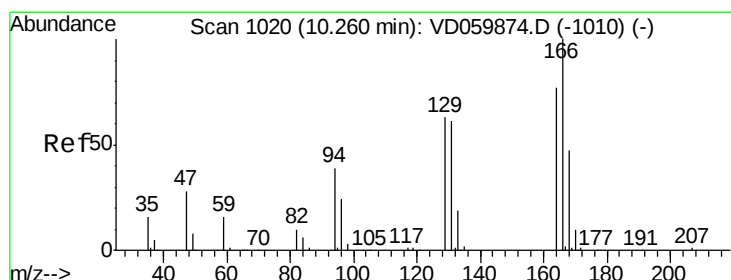
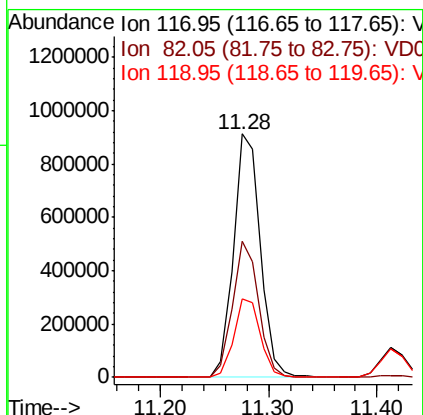
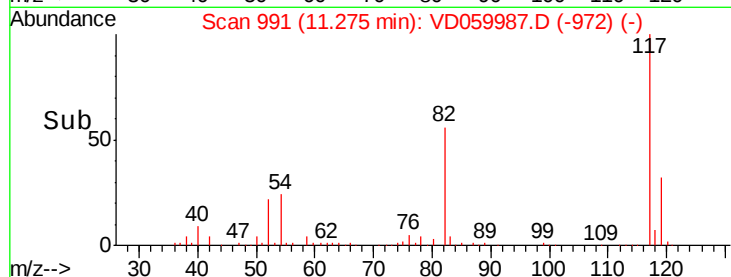
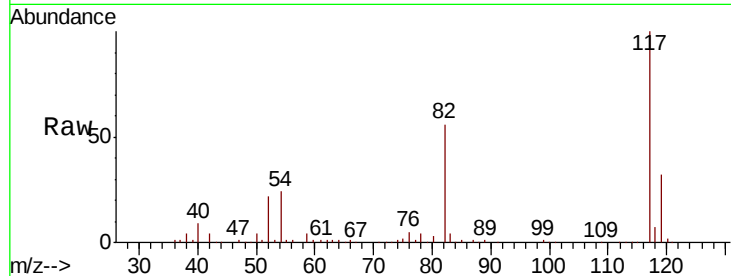
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion:117 Resp: 1573065
Ion Ratio Lower Upper
117 100
82 55.9 40.1 60.1
119 32.4 26.7 40.1

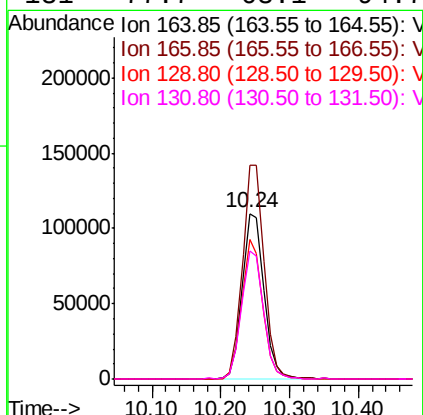
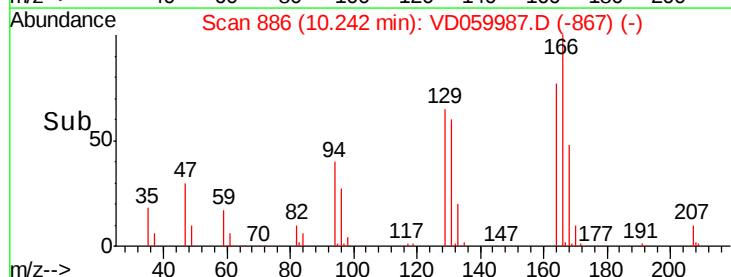
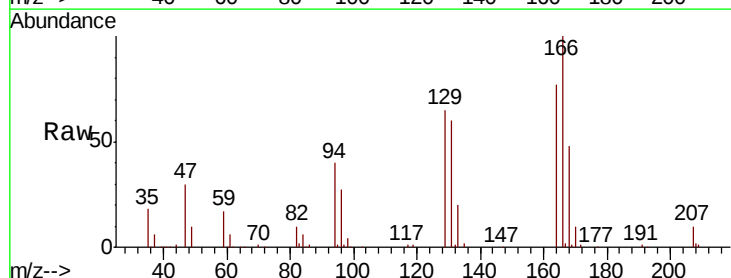
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#64
Tetrachloroethene
Concen: 19.80 ug/l
RT: 10.24 min Scan# 886
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:164 Resp: 240815
Ion Ratio Lower Upper
164 100
166 129.3 103.4 155.2
129 84.3 65.2 97.8
131 77.7 63.1 94.7





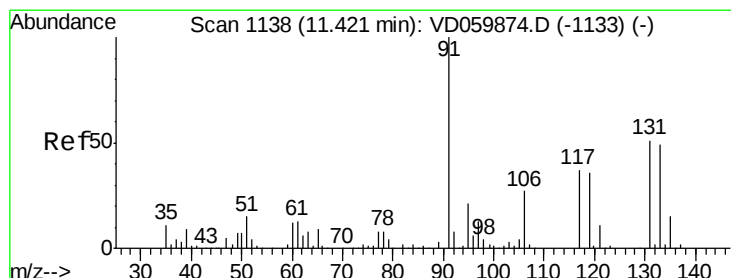
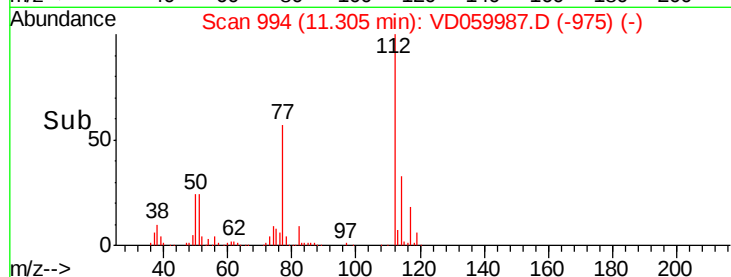
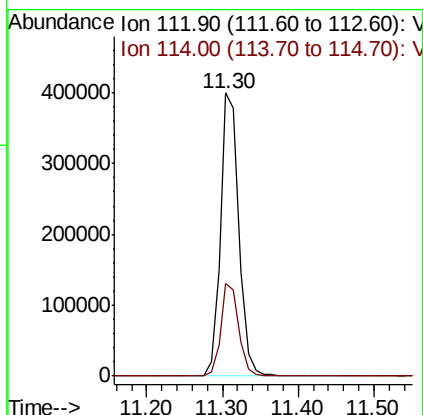
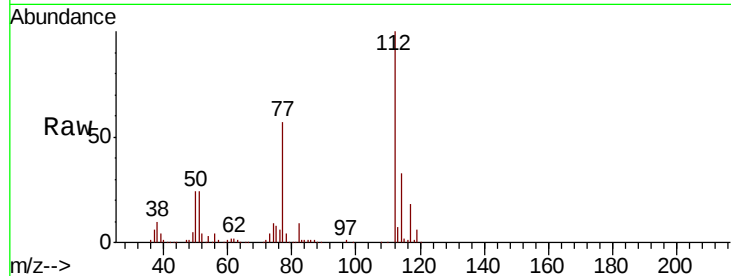
#65
Chlorobenzene
Concen: 21.66 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.02 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion:112 Resp: 677025
Ion Ratio Lower Upper
112 100
114 32.7 26.4 39.6

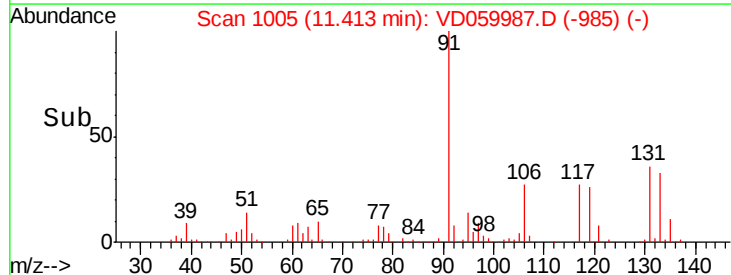
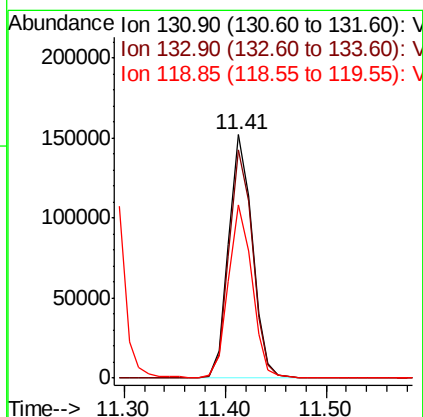
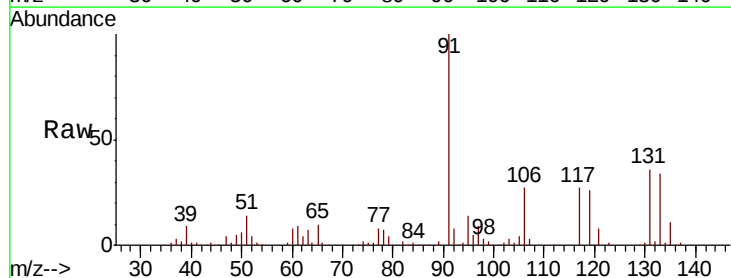
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.73 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:131 Resp: 248158
Ion Ratio Lower Upper
131 100
133 93.8 48.3 144.8
119 71.0 35.4 106.3





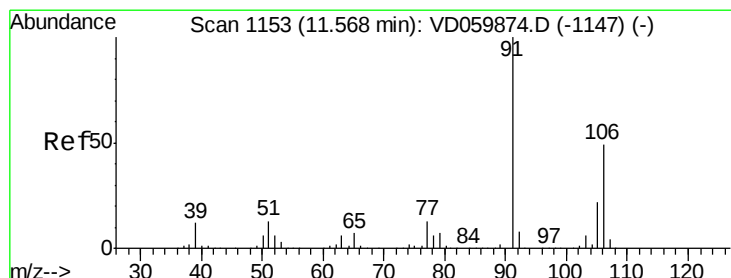
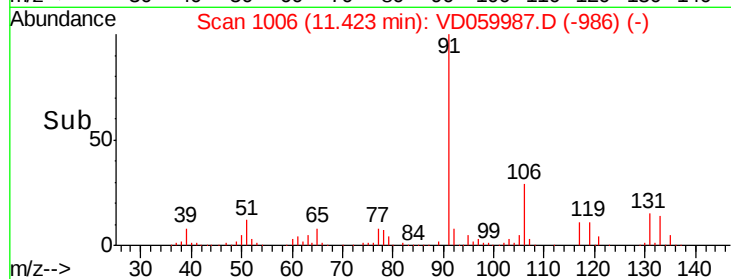
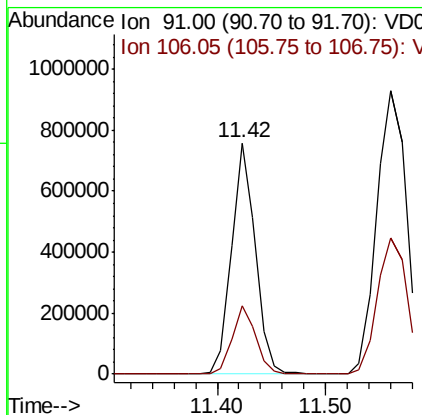
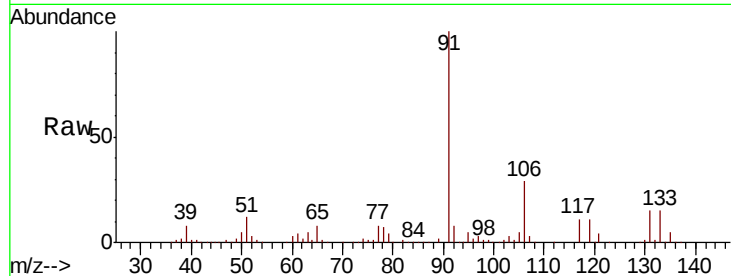
#67
Ethyl Benzene
Concen: 22.00 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 91 Resp: 1156785
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.8

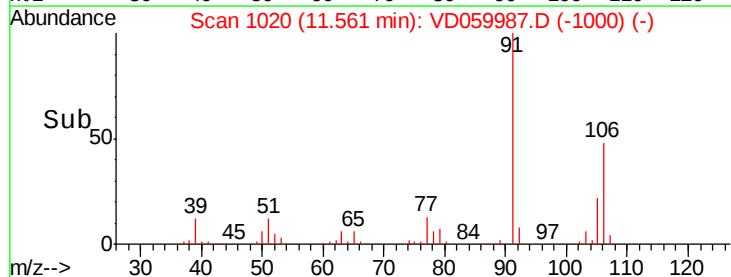
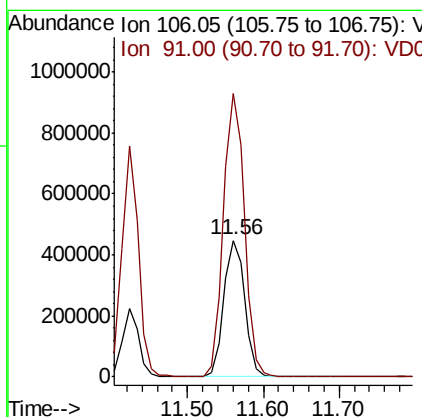
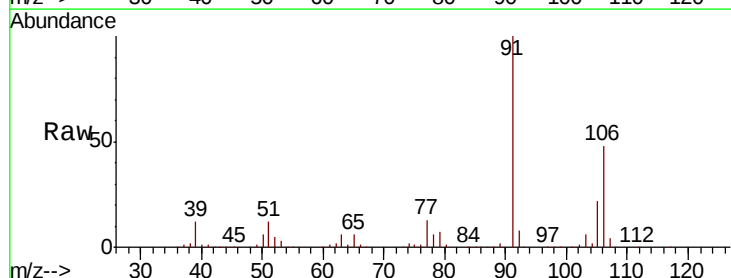
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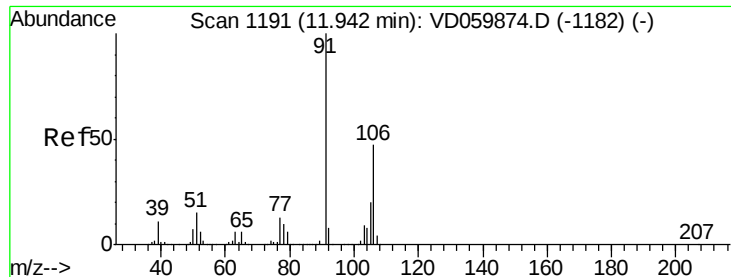
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#68
m/p-Xylenes
Concen: 44.73 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:106 Resp: 856506
Ion Ratio Lower Upper
106 100
91 207.4 162.0 243.0





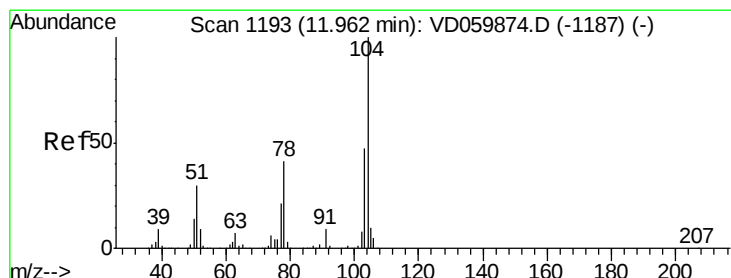
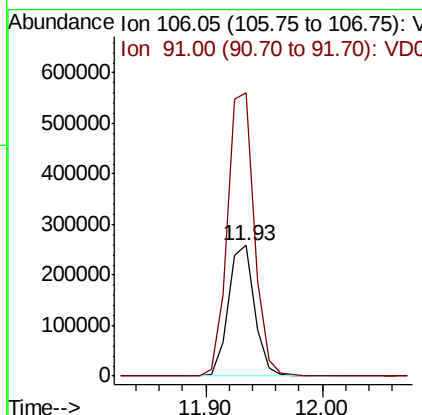
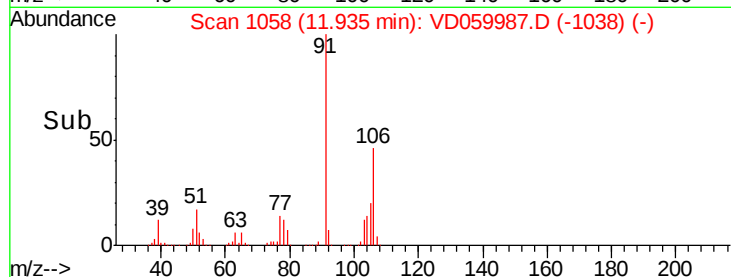
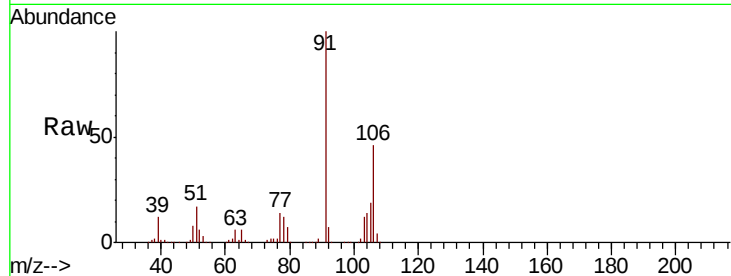
#69
o-Xylene
Concen: 21.56 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		403738		
91	216.9	107.3	322.0		

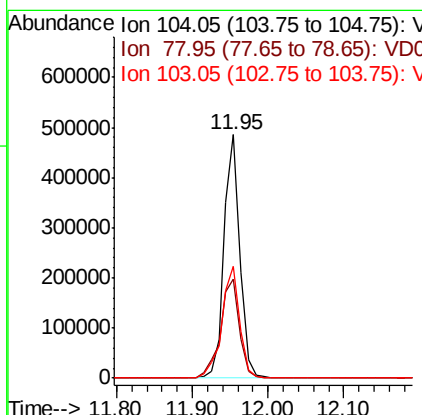
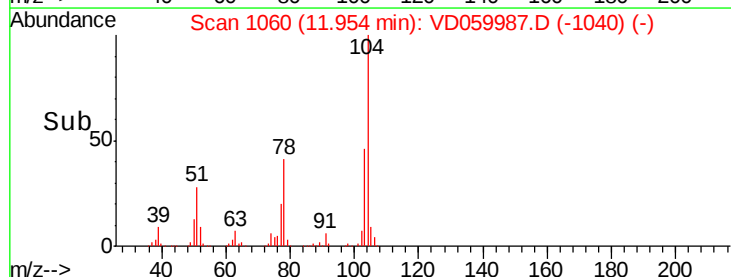
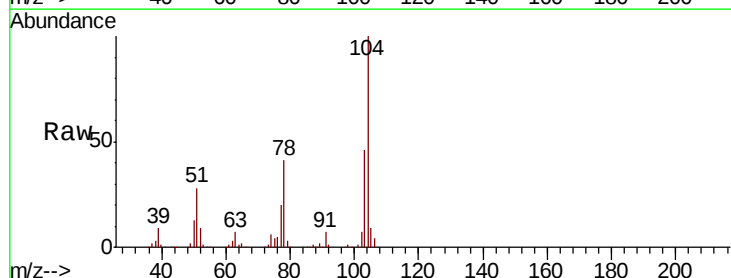
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#70
Styrene
Concen: 21.69 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		703193		
78	40.8	32.6	49.0		
103	45.7	37.7	56.5		





#71

Bromoform

Concen: 18.30 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

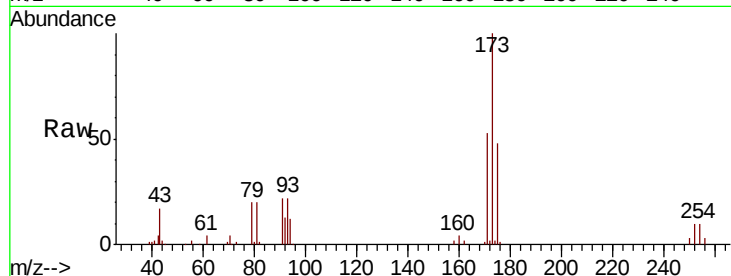
ClientSampleId :

VD0910SBS01

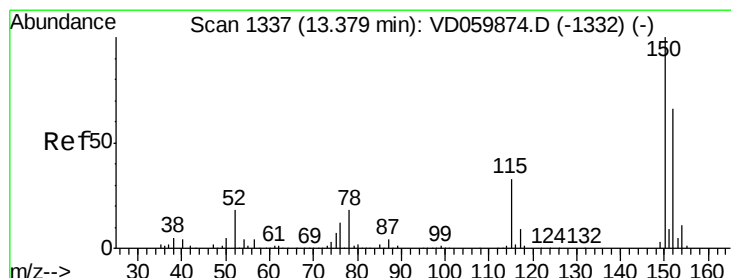
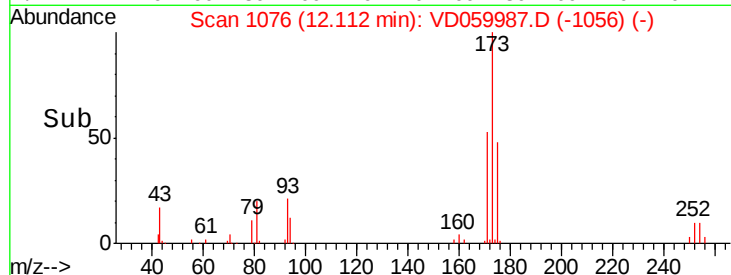
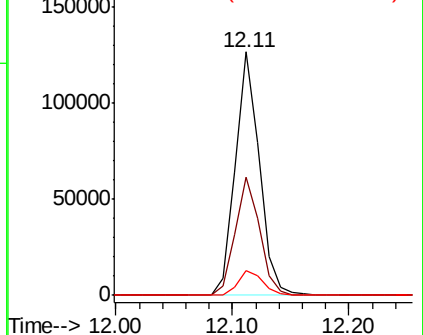
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.4	24.3	73.0		
254	10.1	7.0	10.6		

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

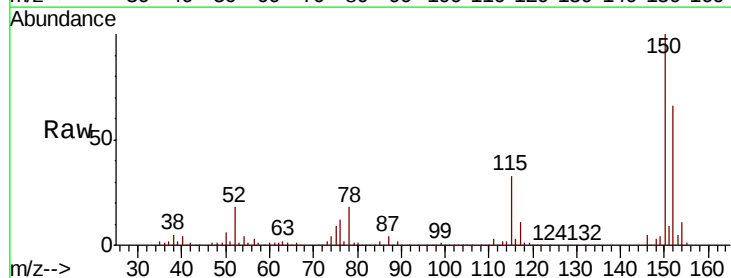
RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

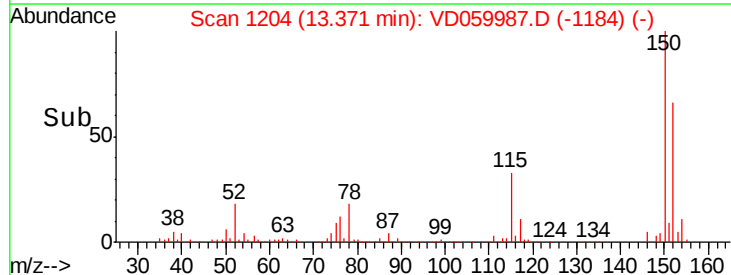
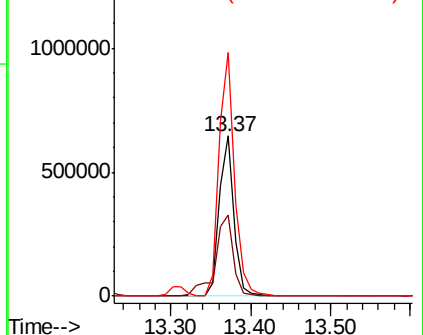
Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	50.7	25.7	77.0		
150	152.0	0.0	310.2		



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





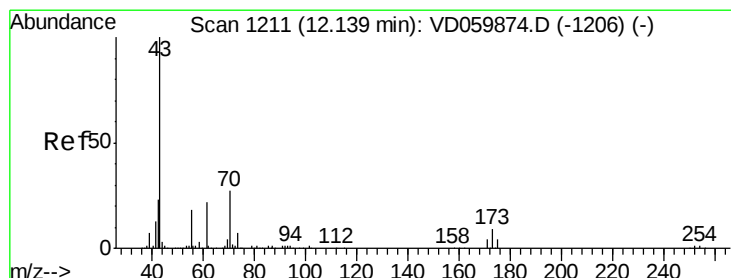
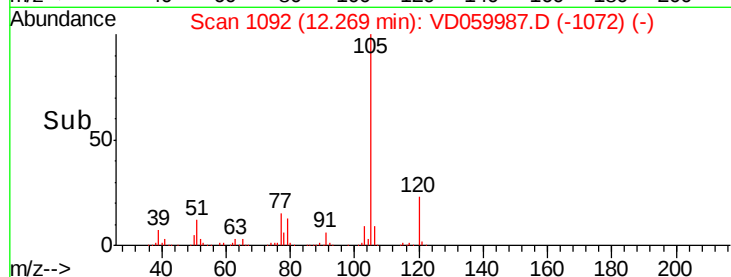
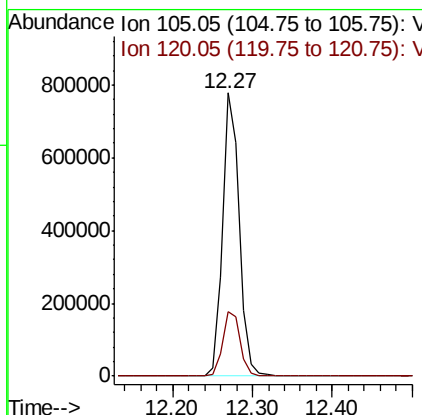
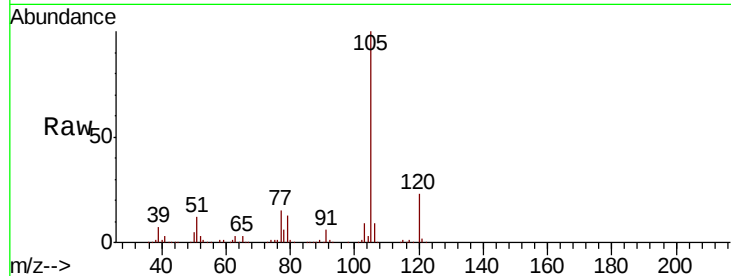
#73
Isopropylbenzene
Concen: 21.36 ug/l
RT: 12.27 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion:105 Resp: 1151250
Ion Ratio Lower Upper
105 100
120 23.0 11.8 35.4

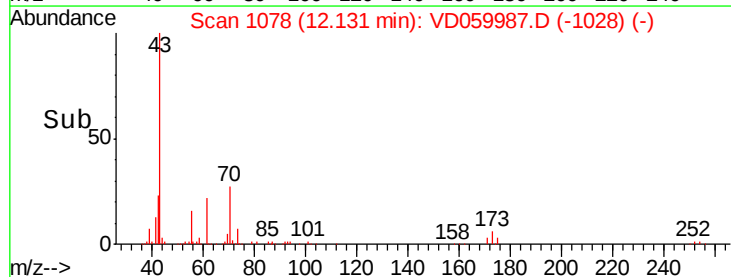
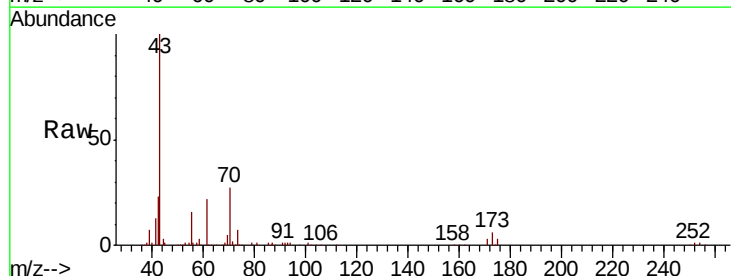
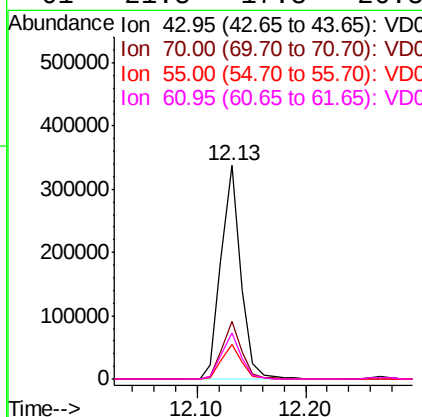
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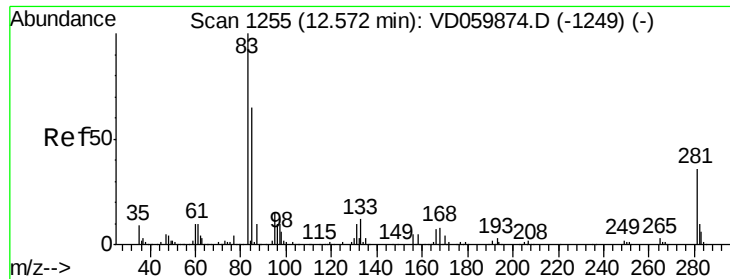
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#74
N-ethyl acetate
Concen: 18.19 ug/l
RT: 12.13 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 43 Resp: 429114
Ion Ratio Lower Upper
43 100
70 26.7 21.4 32.2
55 16.4 14.1 21.1
61 21.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 83 Resp: 239954

Ion Ratio Lower Upper

83 100

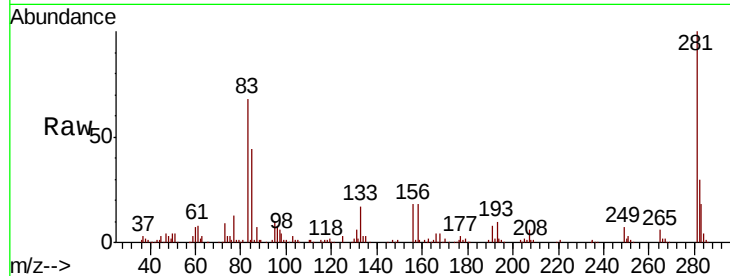
131 8.2 4.8 14.4

85 65.1 32.6 97.8

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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

200000

150000

100000

50000

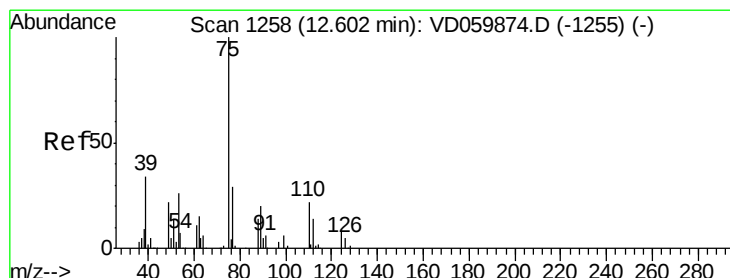
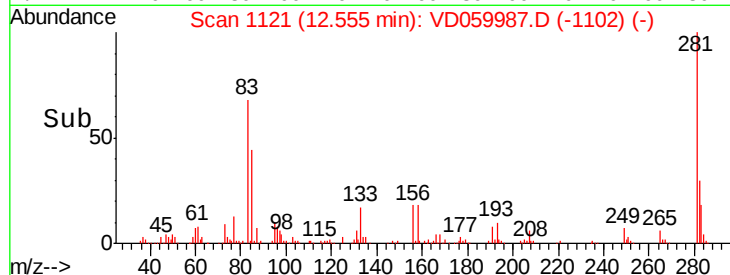
0

12.55

12.60

12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.84 ug/l

RT: 12.59 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VD059987.D

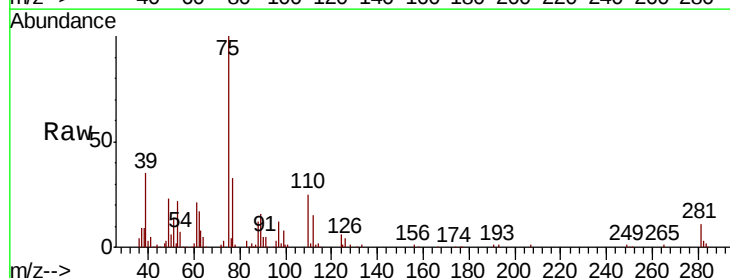
Acq: 10 Sep 2018 12:30

Tgt Ion: 75 Resp: 247145

Ion Ratio Lower Upper

75 100

77 33.1 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

200000

100000

0

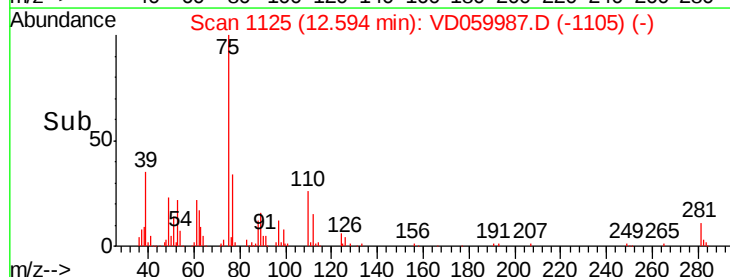
12.55

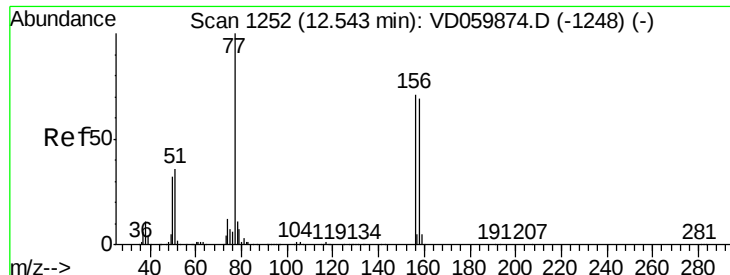
12.60

12.65

12.70

Time-->





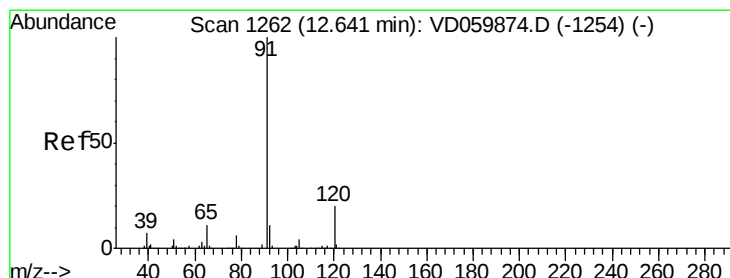
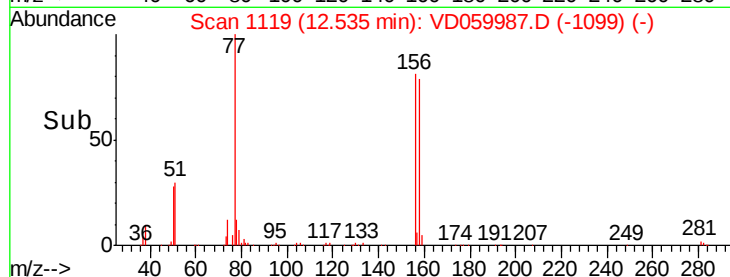
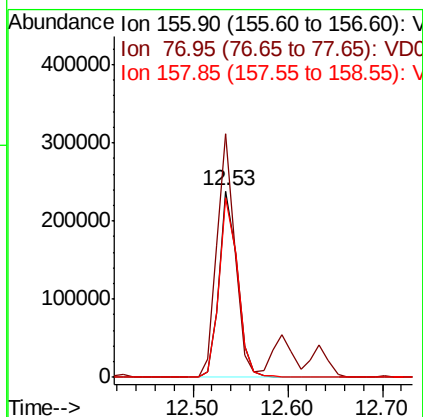
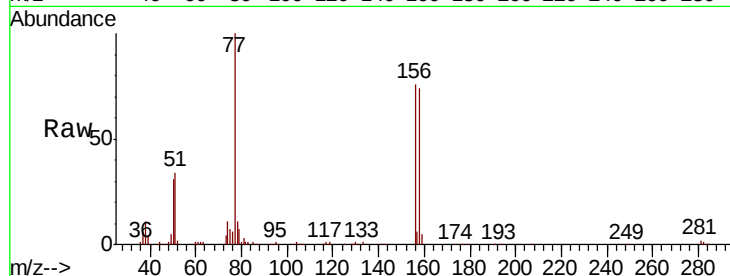
#77
Bromobenzene
Concen: 21.30 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.9	70.2	210.4
158	96.9	48.4	145.2

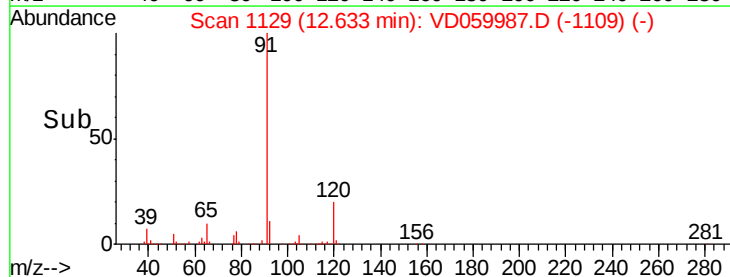
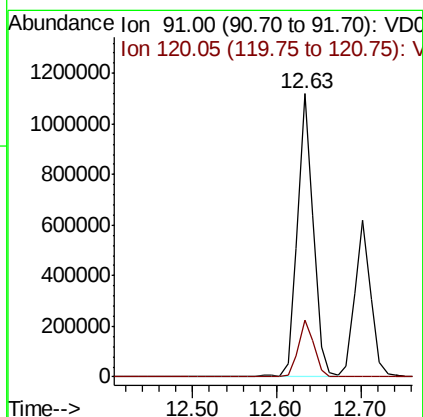
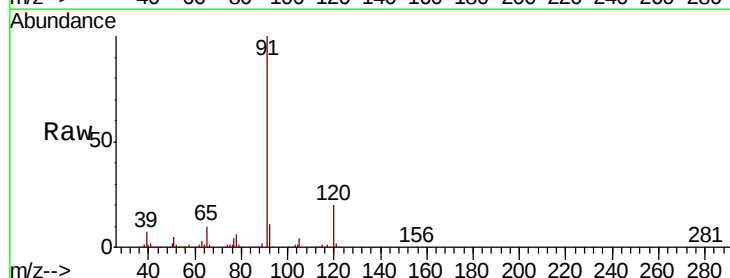
Manual Integrations
APPROVED

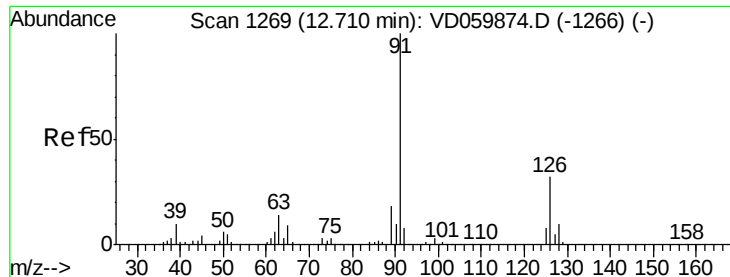
apatel
9/11/2018 12:25:20 PM



#78
n-propylbenzene
Concen: 21.59 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.1	30.3





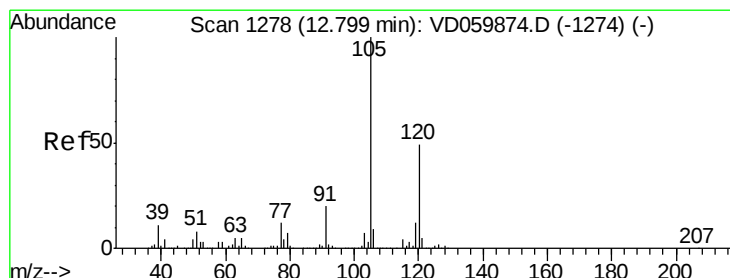
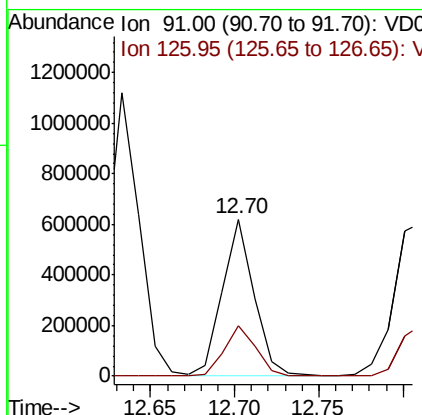
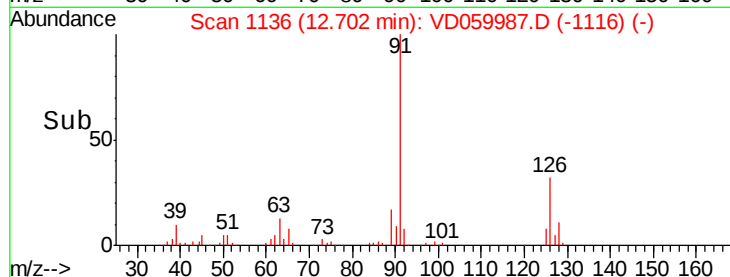
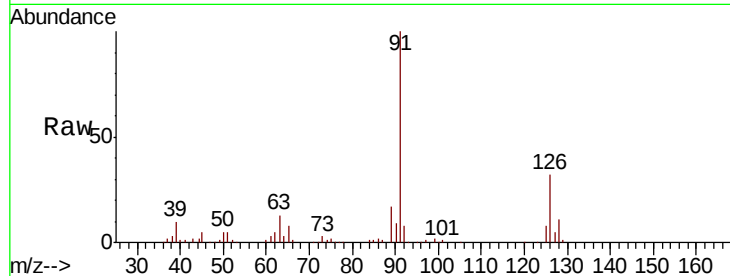
#79
 2-Chlorotoluene
 Concen: 20.84 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 91 Resp: 804373
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.1 48.2

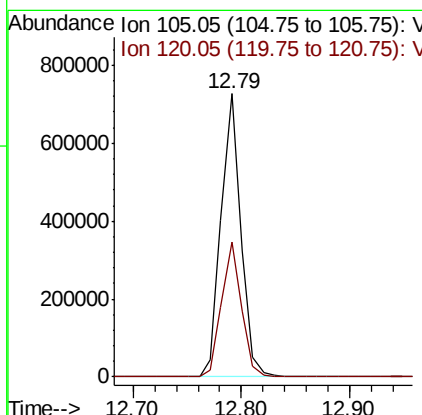
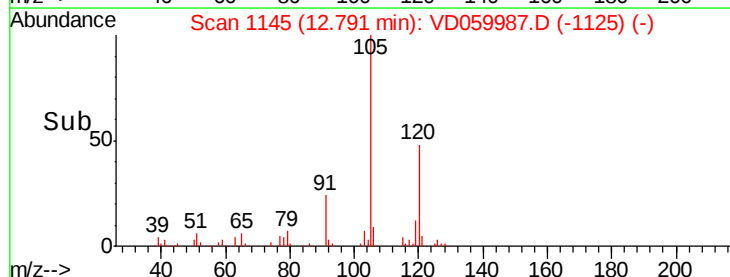
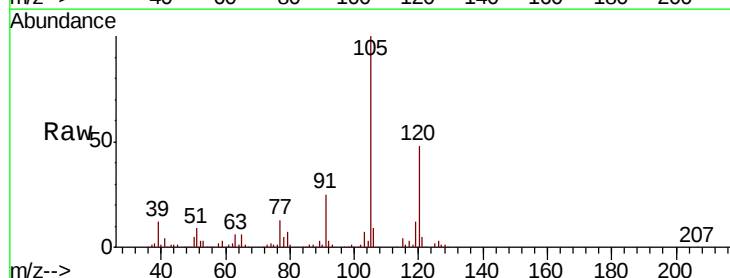
Manual Integrations
 APPROVED

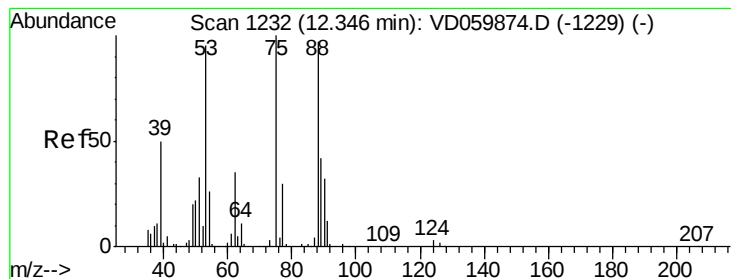
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.65 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion: 105 Resp: 927512
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.09 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

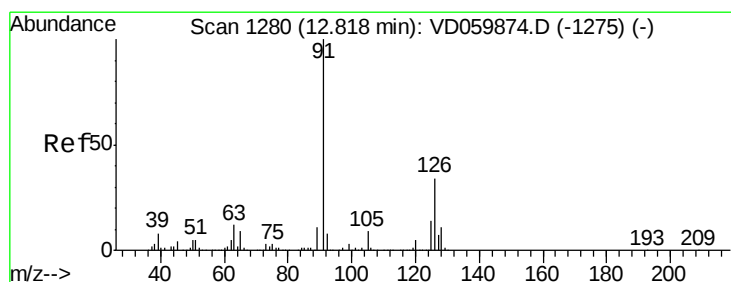
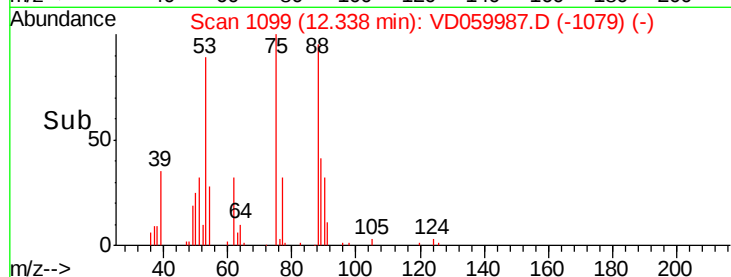
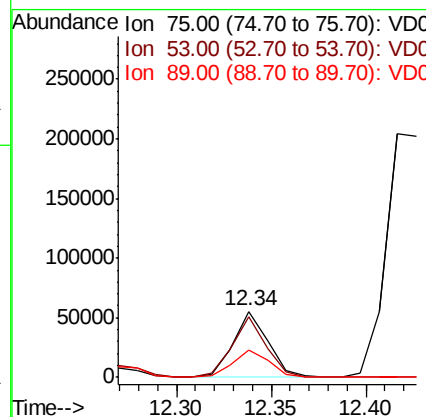
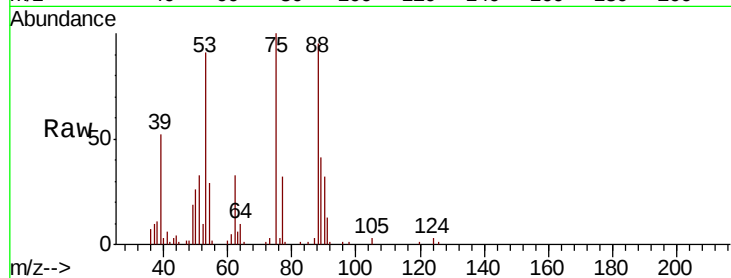
ClientSampleId :

VD0910SBS01

Tot Ion:	75	Resp:	69731
Ion	Ratio	Lower	Upper
75	100		
53	91.0	75.8	113.6
89	41.2	33.6	50.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.70 ug/l

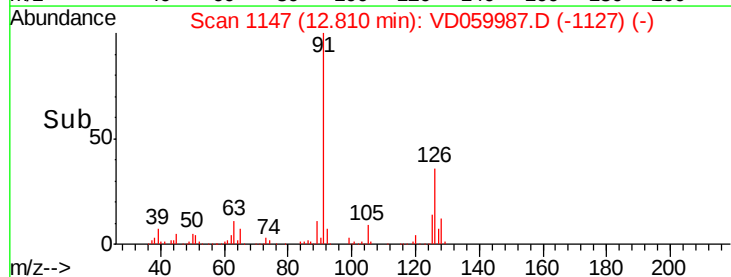
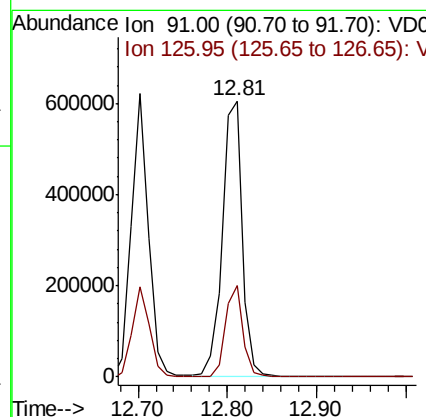
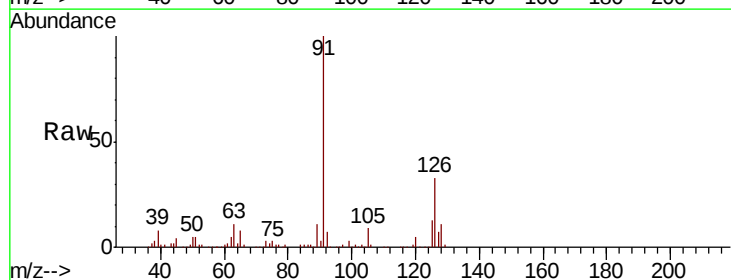
RT: 12.81 min Scan# 1147

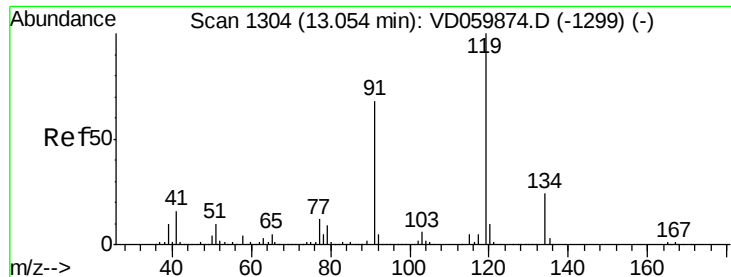
Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Tgt Ion:	91	Resp:	954983
Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.1	51.2





#83

tert-Butylbenzene

Concen: 21.62 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. -0.01 min

Lab File: VD059987.D

Acq: 10 Sep 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:119 Resp: 1055272

Ion Ratio Lower Upper

119 100

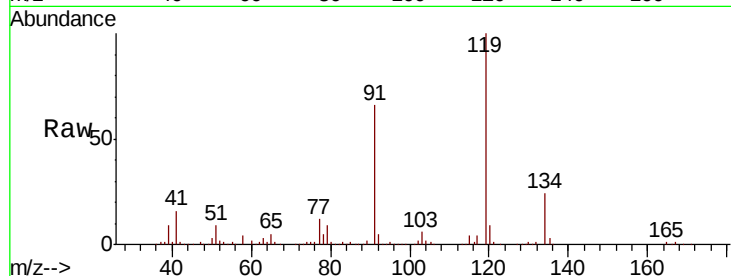
91 66.3 34.3 102.9

134 24.1 11.9 35.9

Manual Integrations
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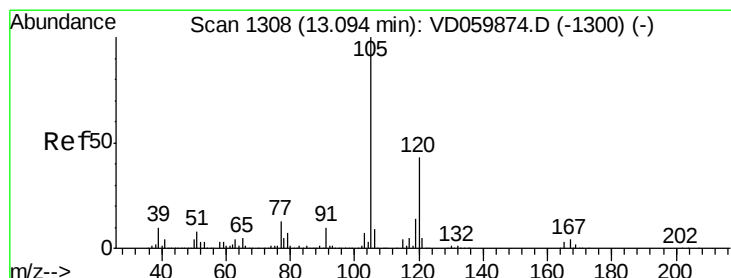
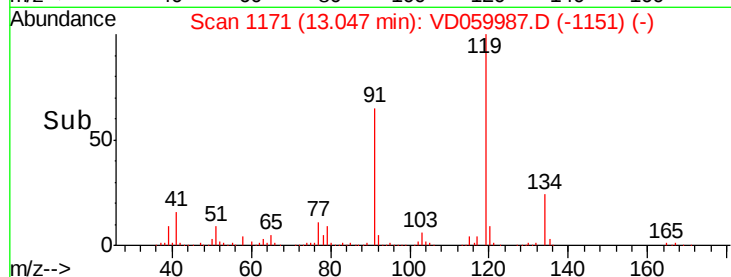
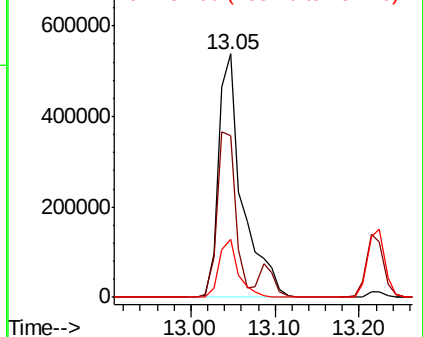
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.09 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD059987.D

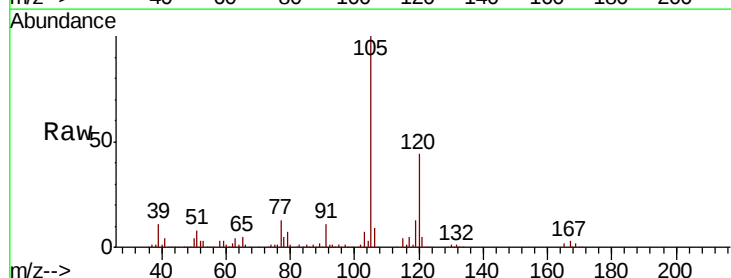
Acq: 10 Sep 2018 12:30

Tgt Ion:105 Resp: 941684

Ion Ratio Lower Upper

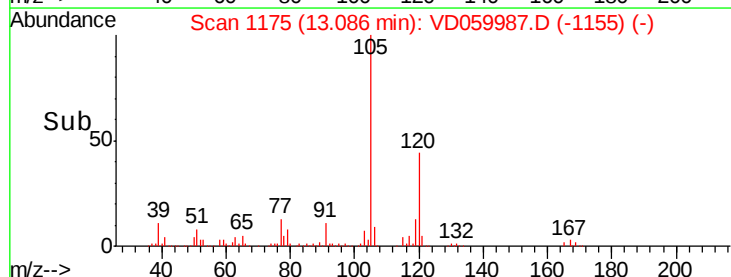
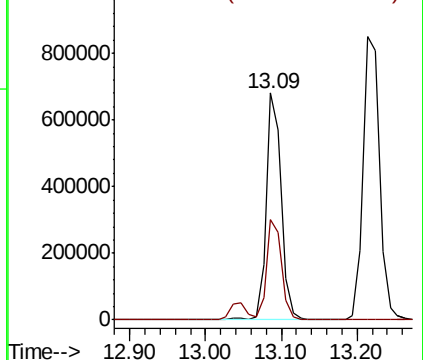
105 100

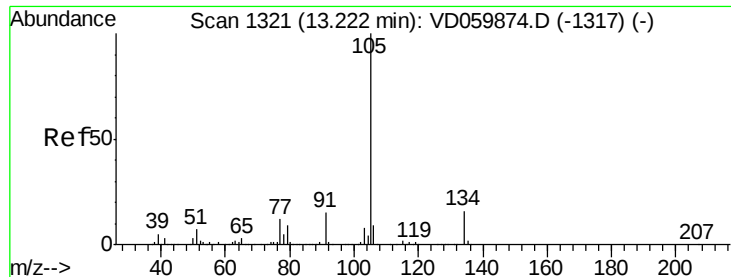
120 44.4 21.8 65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





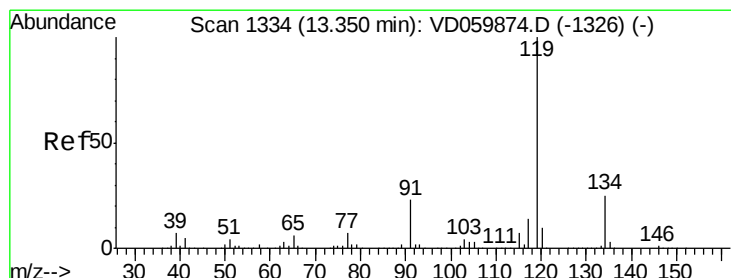
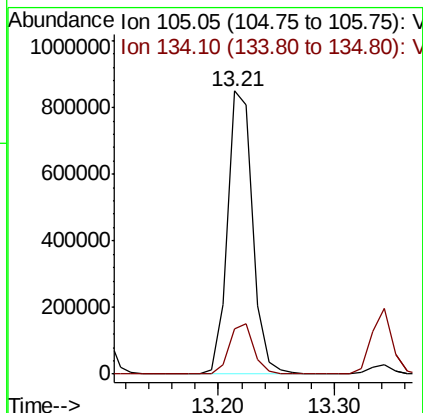
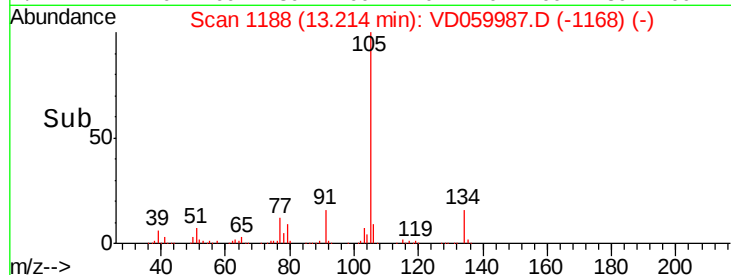
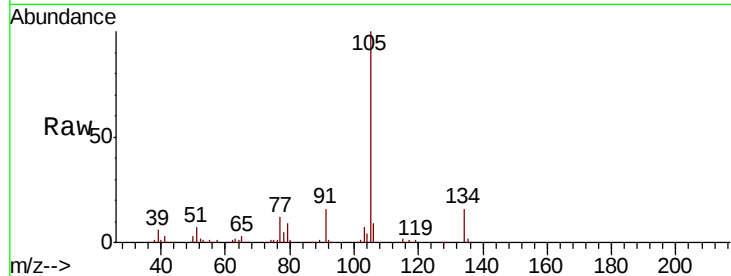
#85
 sec-Butylbenzene
 Concen: 21.94 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion:105 Resp: 1258957
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.2 24.4

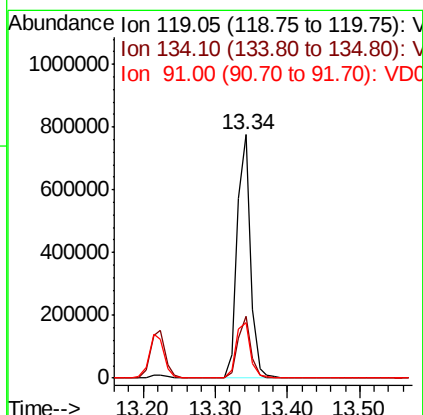
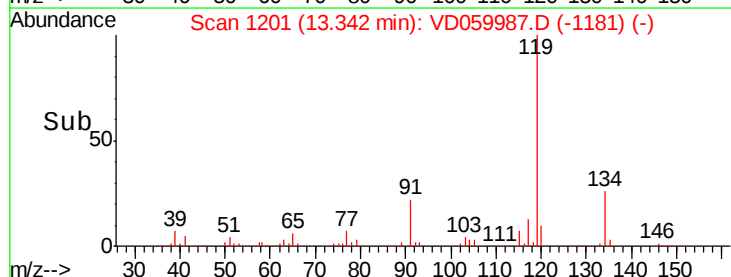
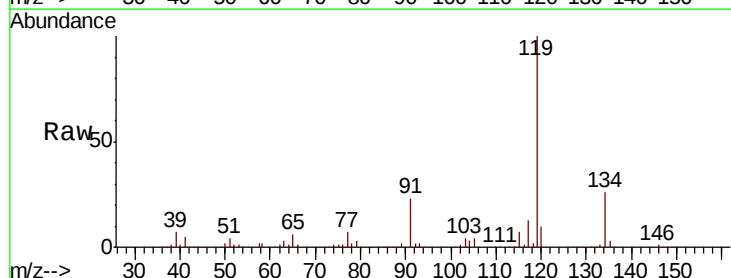
Manual Integrations
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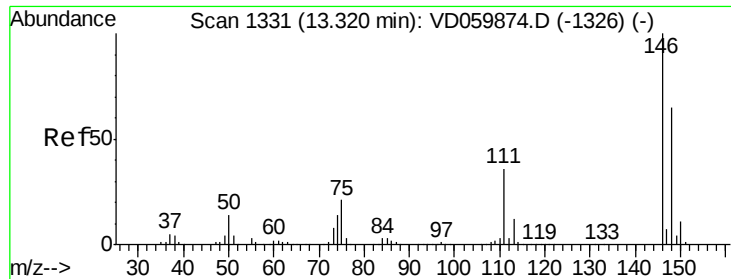
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.51 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion:119 Resp: 1003932
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.1
 91 22.6 11.7 35.0





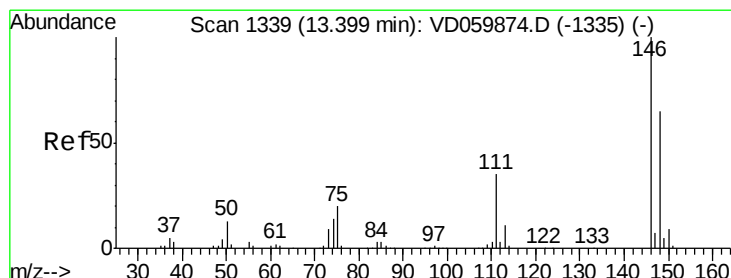
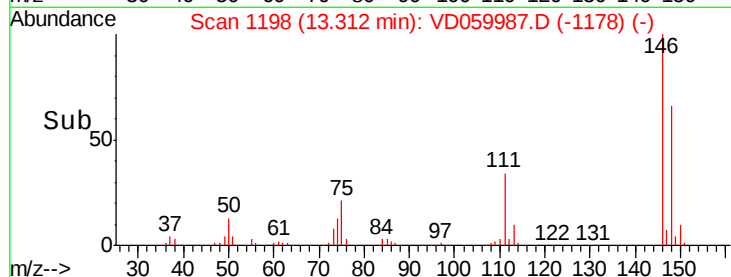
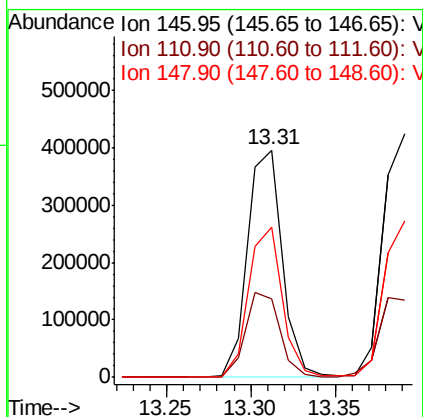
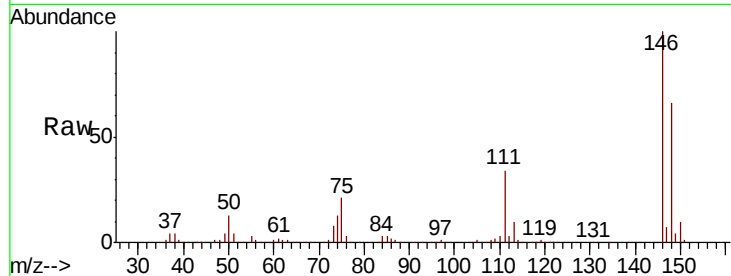
#87
 1,3-Dichlorobenzene
 Concen: 21.34 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.4	17.9	53.7
148	66.3	32.4	97.0

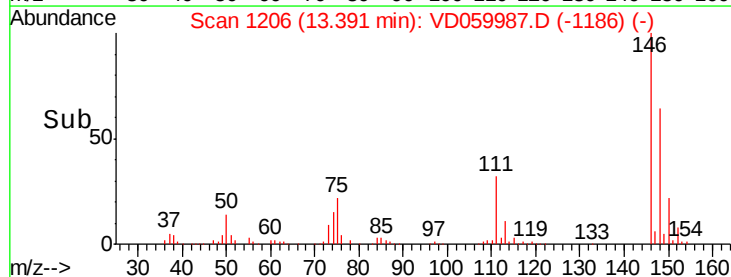
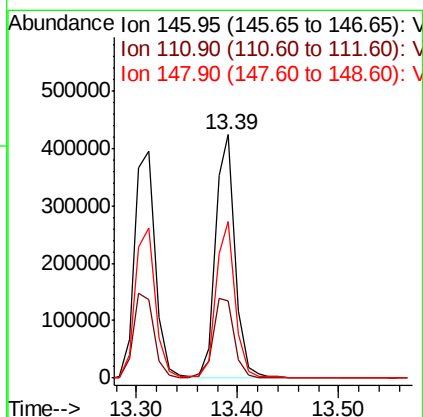
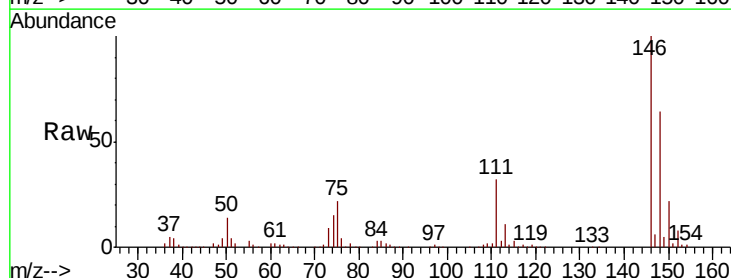
Manual Integrations
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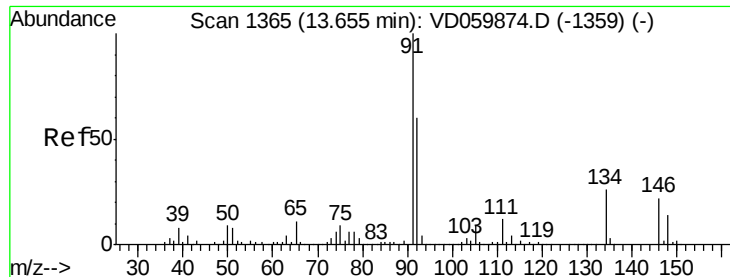
apatel
 9/11/2018 12:25:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.74 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.8	17.5	52.6
148	64.2	32.5	97.5





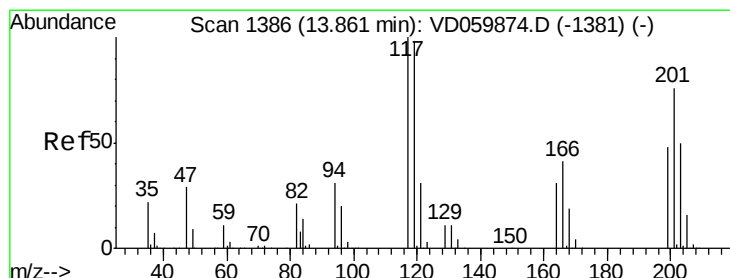
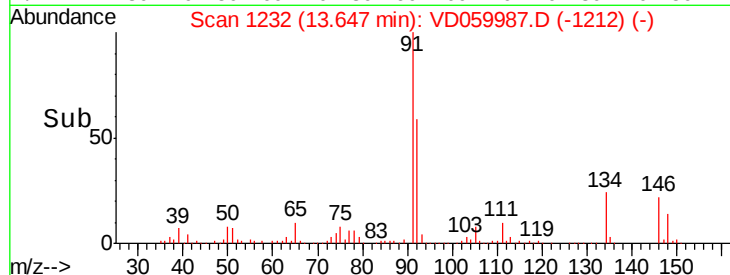
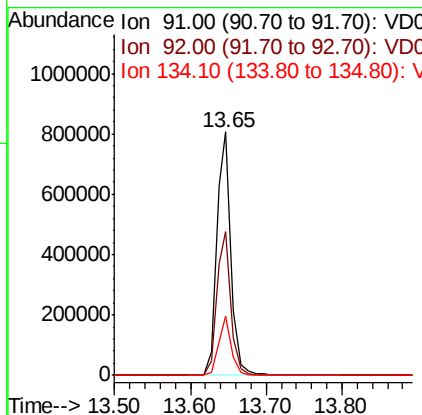
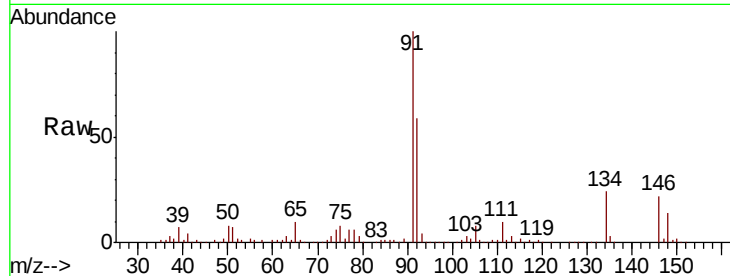
#89
n-Butylbenzene
Concen: 21.18 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 91 Resp: 1063406
Ion Ratio Lower Upper
91 100
92 59.1 30.0 90.1
134 24.3 12.8 38.4

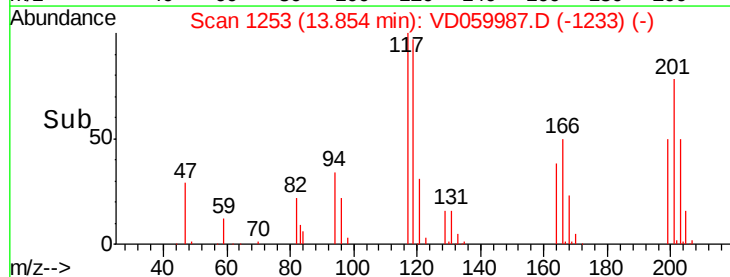
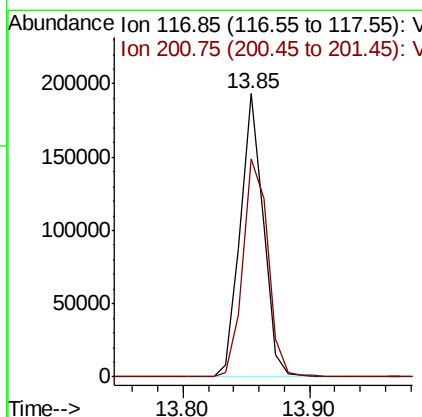
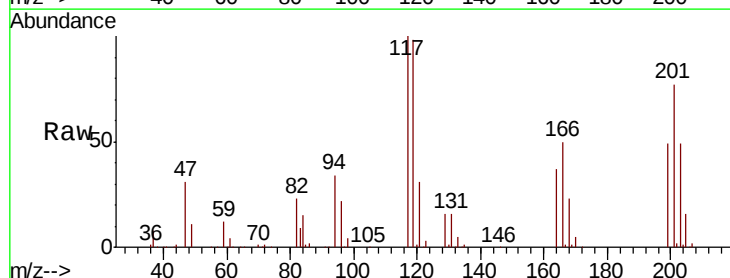
Manual Integrations
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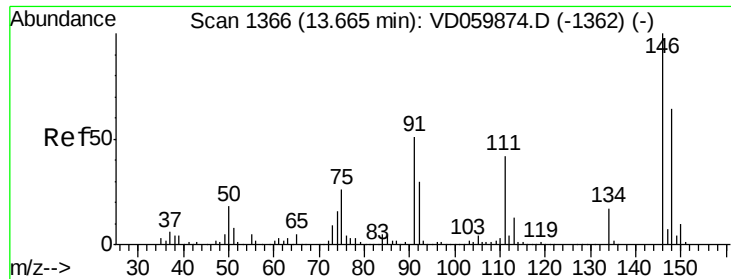
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#90
Hexachloroethane
Concen: 19.53 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion: 117 Resp: 244808
Ion Ratio Lower Upper
117 100
201 77.0 38.1 114.5





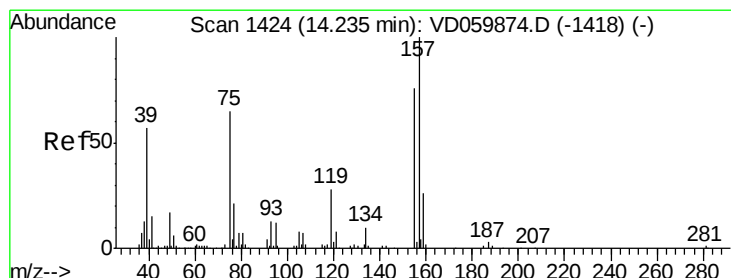
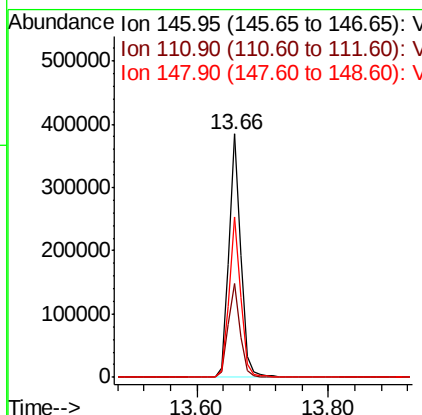
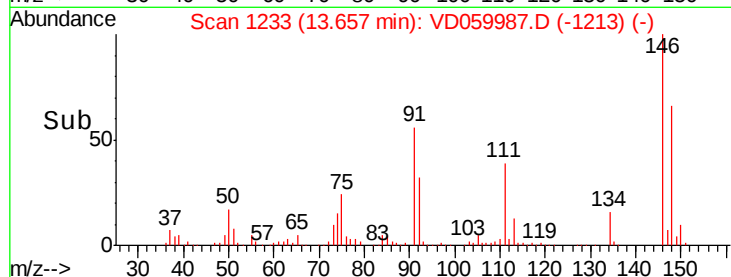
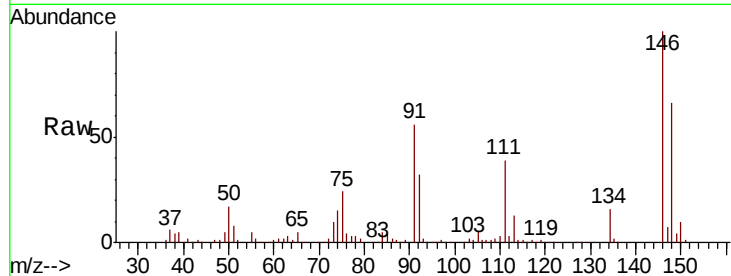
#91
 1,2-Dichlorobenzene
 Concen: 21.66 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.1
148	65.7	32.2	96.6

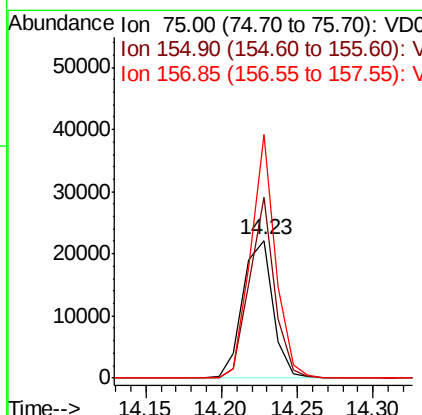
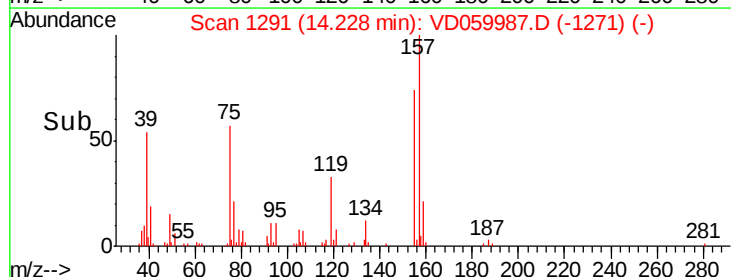
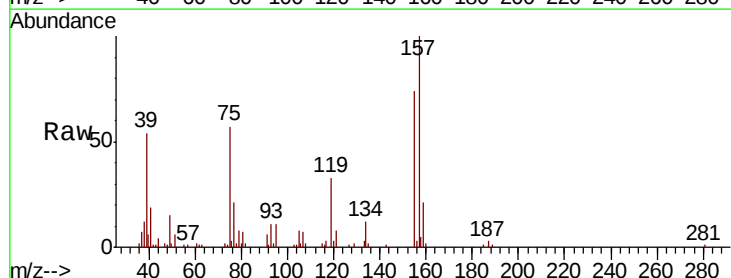
Manual Integrations
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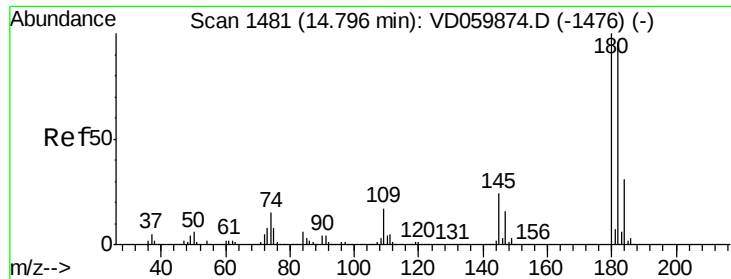
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.14 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	131.4	58.2	174.6
157	176.8	76.8	230.4





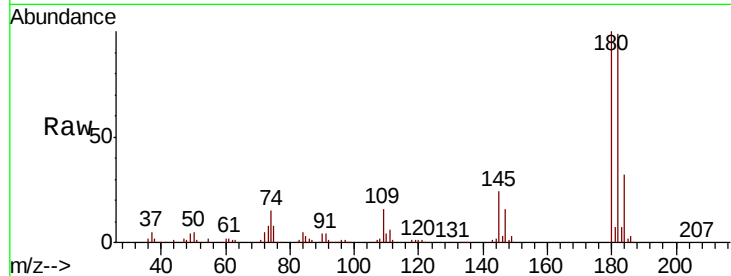
#93
 1,2,4-Trichlorobenzene
 Concen: 20.66 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	401207		
182	99.2	47.9	143.7	
145	23.9	12.2	36.4	

Manual Integrations
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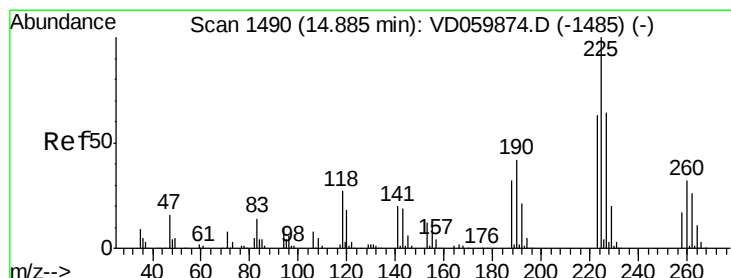
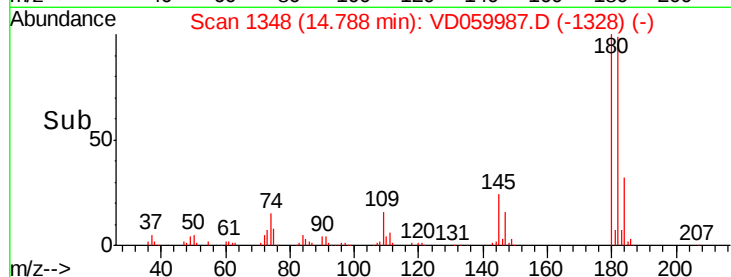
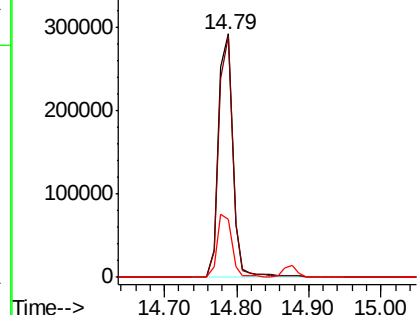


Abundance

Ion 179.85 (179.55 to 180.55): V

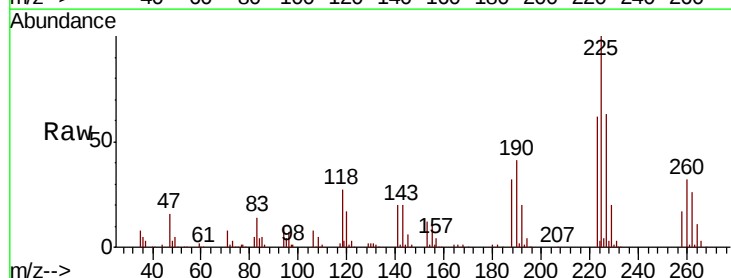
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 21.03 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VD059987.D
 Acq: 10 Sep 2018 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	267716		
223	62.4	31.6	94.8	
227	63.4	32.0	96.0	

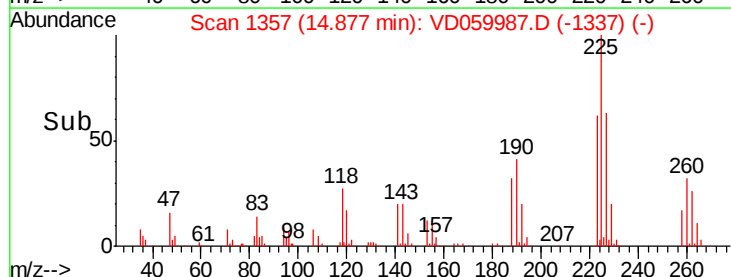
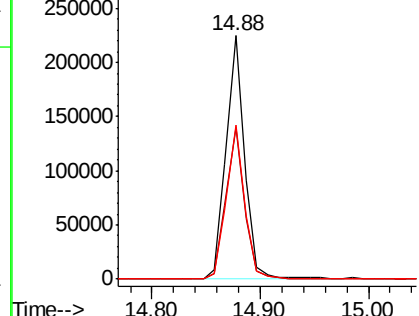


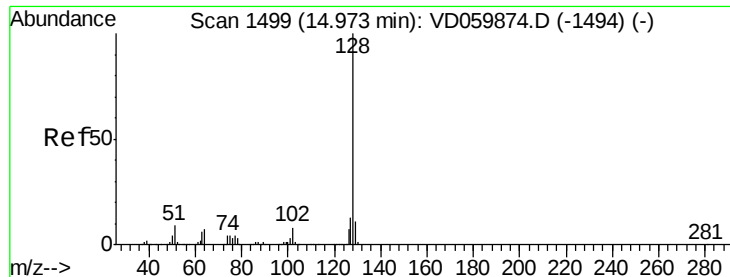
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





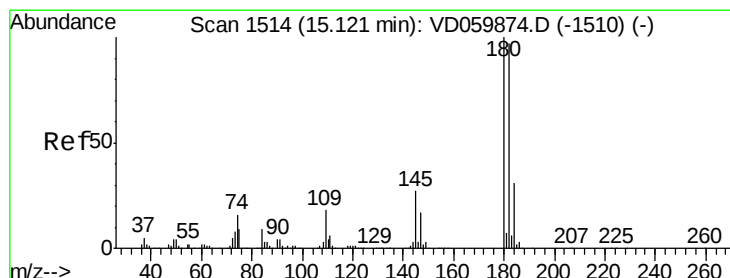
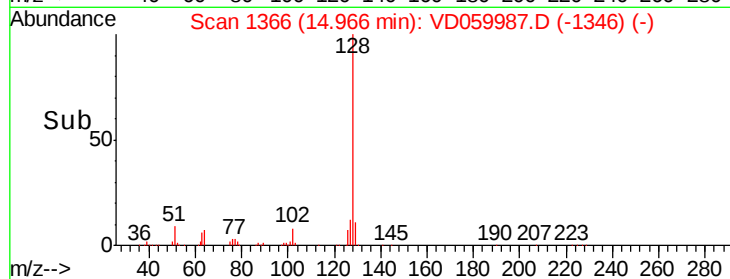
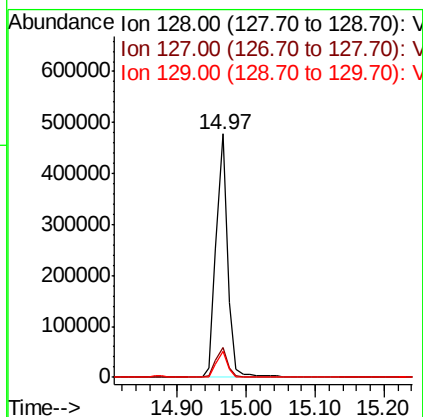
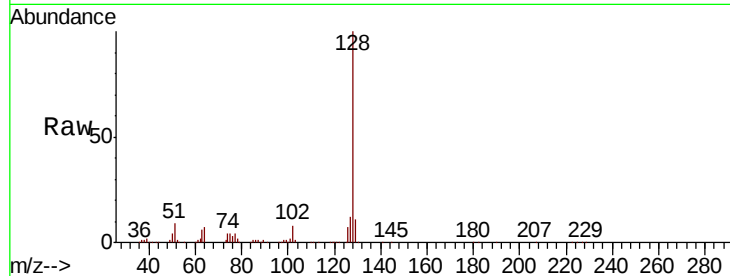
#95
Naphthalene
Concen: 18.88 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion:	128	Resp:	560412
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.0	15.0
129	10.7	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 20.02 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD059987.D
Acq: 10 Sep 2018 12:30

Tgt Ion:	180	Resp:	332452
Ion Ratio	Lower	Upper	
180	100		
182	96.4	48.6	145.8
145	26.3	13.6	40.8

