

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091018\
 Data File : VD059988.D
 Acq On : 10 Sep 2018 12:58
 Operator : JC/SY
 Sample : VD0910SBSD01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

Manual Integrations
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 9/11/2018 12:25:24 PM

Quant Time: Sep 10 14:30:37 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	6.40	168	1321067	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.43	114	1826731	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1506150	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	815138	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	540585	48.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.10%	
35) Dibromofluoromethane	6.31	113	721120	50.35	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	100.70%	
50) Toluene-d8	9.45	98	1932727	48.63	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	12.42	95	788463	48.84	ug/l	-0.01
Spiked Amount				50.000		
			Recovery	=	97.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	172037	14.57	ug/l	96
3) Chloromethane	1.74	50	183132	17.12	ug/l	97
4) Vinyl Chloride	1.84	62	153804	18.34	ug/l	100
5) Bromomethane	2.12	94	13486	9.31	ug/l	91
6) Chloroethane	2.24	64	38347	12.57	ug/l	99
7) Trichlorofluoromethane	2.48	101	187766	19.35	ug/l	98
8) Diethyl Ether	2.81	74	45281	20.80	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	141618	23.83	ug/l	96
10) Methyl Iodide	3.22	142	104909	18.89	ug/l	98
11) Tert butyl alcohol	3.97	59	79254	93.28	ug/l	97
12) 1,1-Dichloroethene	3.05	96	102282	22.11	ug/l	89
13) Acrolein	2.96	56	19851	53.87	ug/l	89
14) Allyl chloride	3.52	41	219560	20.98	ug/l	98
15) Acrylonitrile	4.07	53	322030	101.22	ug/l	98
16) Acetone	3.14	43	219668	108.29	ug/l	98
17) Carbon Disulfide	3.30	76	220193	15.33	ug/l	100
18) Methyl Acetate	3.54	43	77716	18.35	ug/l #	93
19) Methyl tert-butyl Ether	4.11	73	502200	19.19	ug/l	98
20) Methylene Chloride	3.70	84	333998	22.63	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	231825	18.19	ug/l	98
22) Diisopropyl ether	4.84	45	1046736	19.61	ug/l	98
23) Vinyl Acetate	4.78	43	2989244	100.18	ug/l	99
24) 1,1-Dichloroethane	4.74	63	452809	19.64	ug/l	99
25) 2-Butanone	5.61	43	508913	84.71	ug/l	99
26) 2,2-Dichloropropane	5.57	77	371046	19.25	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	280736	20.11	ug/l	93
28) Bromochloromethane	5.91	49	216579	19.60	ug/l	96
29) Tetrahydrofuran	5.95	42	280215	97.97	ug/l	99
30) Chloroform	6.08	83	483561	20.63	ug/l	97
31) Cyclohexane	6.35	56	360980	17.03	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	388229	19.52	ug/l	99
36) 1,1-Dichloropropene	6.51	75	320219	19.34	ug/l	97
37) Ethyl Acetate	5.68	43	249470	19.36	ug/l	98
38) Carbon Tetrachloride	6.49	117	316914	18.96	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	321236	17.96	ug/l	98
40) Benzene	6.78	78	846523	19.66	ug/l	99
41) Methacrylonitrile	5.91	41	118982m	18.33	ug/l	
42) 1,2-Dichloroethane	6.88	62	264263	19.12	ug/l	98
43) Isopropyl Acetate	8.34	43	315975	18.85	ug/l	98
44) Trichloroethene	7.73	130	251692	19.85	ug/l	99
45) 1,2-Dichloropropane	8.09	63	241069	20.03	ug/l	97
46) Dibromomethane	8.21	93	150921	19.50	ug/l	90
47) Bromodichloromethane	8.49	83	344072	19.64	ug/l	96
48) Methyl methacrylate	8.24	41	182352	18.66	ug/l	98
49) 1,4-Dioxane	8.22	88	35685	409.02	ug/l #	83
51) 4-Methyl-2-Pentanone	9.33	43	1045994	83.69	ug/l	97
52) Toluene	9.54	92	557675	20.20	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	320531	19.78	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	375535	19.99	ug/l	96
55) 1,1,2-Trichloroethane	10.18	97	199336	19.75	ug/l	96
56) Ethyl methacrylate	10.02	69	221050	18.98	ug/l	98
57) 1,3-Dichloropropane	10.37	76	307026	21.02	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	637584	114.11	ug/l	97
59) 2-Hexanone	10.48	43	826106	89.62	ug/l	95
60) Dibromochloromethane	10.63	129	249378	19.66	ug/l	95
61) 1,2-Dibromoethane	10.75	107	199142	19.51	ug/l	99
64) Tetrachloroethene	10.25	164	225388	19.35	ug/l	97
65) Chlorobenzene	11.31	112	634383	21.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	230735	21.10	ug/l	99
67) Ethyl Benzene	11.43	91	1087695	21.60	ug/l	99
68) m/p-Xylenes	11.57	106	791105	43.15	ug/l	100
69) o-Xylene	11.93	106	397255	22.15	ug/l	99
70) Styrene	11.95	104	652827	21.03	ug/l	98
71) Bromoform	12.12	173	176818	18.69	ug/l #	98
73) Isopropylbenzene	12.27	105	1067677	20.52	ug/l	98
74) N-amyl acetate	12.13	43	417011	18.30	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	233109	19.37	ug/l	96
76) 1,2,3-Trichloropropane	12.59	75	242618	19.15	ug/l	99
77) Bromobenzene	12.54	156	297958	20.65	ug/l	80
78) n-propylbenzene	12.64	91	1364402	20.71	ug/l	97
79) 2-Chlorotoluene	12.70	91	764112	20.51	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	850091	20.55	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.34	75	69336	17.59	ug/l	95
82) 4-Chlorotoluene	12.81	91	882046	20.75	ug/l	97
83) tert-Butylbenzene	13.04	119	985301	20.91	ug/l	95
84) 1,2,4-Trimethylbenzene	13.09	105	884079	20.50	ug/l	97
85) sec-Butylbenzene	13.22	105	1172259	21.15	ug/l	97
86) p-Isopropyltoluene	13.34	119	929625	20.63	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	516079	20.04	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	535691	20.85	ug/l	99
89) n-Butylbenzene	13.64	91	988876	20.30	ug/l	98
90) Hexachloroethane	13.86	117	223749	18.49	ug/l	80
91) 1,2-Dichlorobenzene	13.66	146	478325	21.84	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	33510	18.11	ug/l	79

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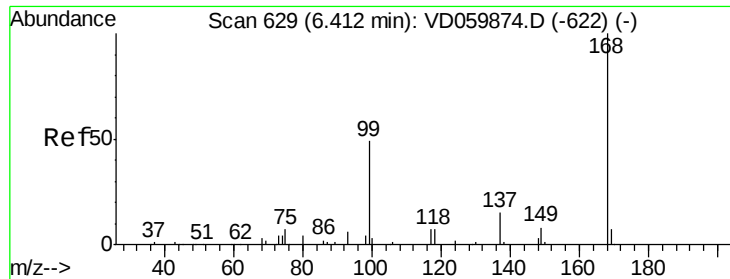
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	389170	20.75	ug/l	98
94) Hexachlorobutadiene	14.87	225	250952	20.42	ug/l	98
95) Naphthalene	14.96	128	570629	19.91	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	323357	20.16	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBSD01

Tot Ion:168 Resp: 1321067

Ion Ratio Lower Upper

168 100

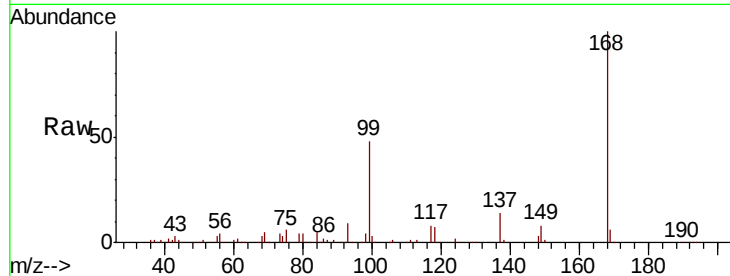
99 48.2 42.2 63.2

Manual Integrations

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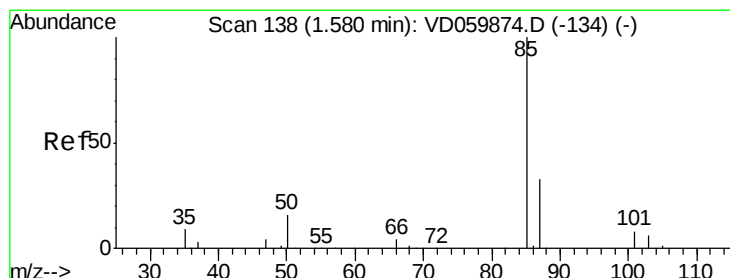
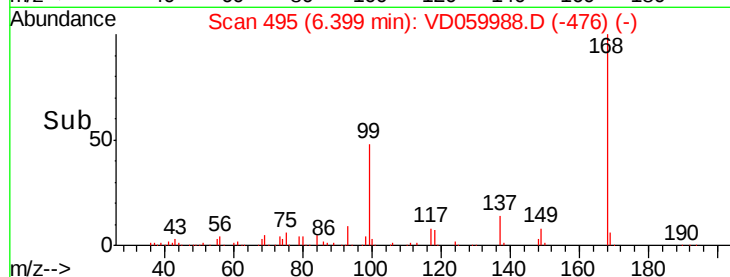
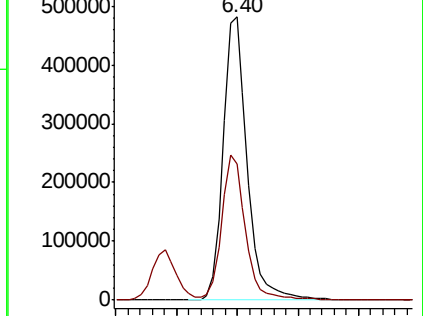
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 14.57 ug/l

RT: 1.58 min Scan# 5

Delta R.T. -0.00 min

Lab File: VD059988.D

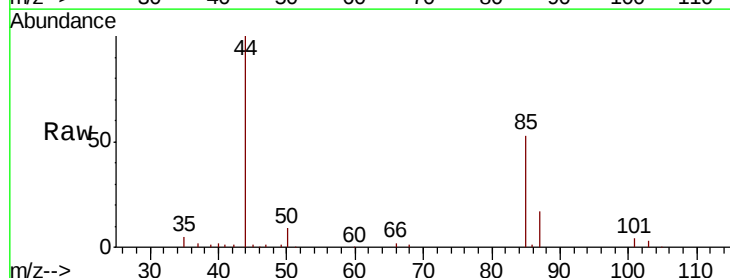
Acq: 10 Sep 2018 12:58

Tgt Ion: 85 Resp: 172037

Ion Ratio Lower Upper

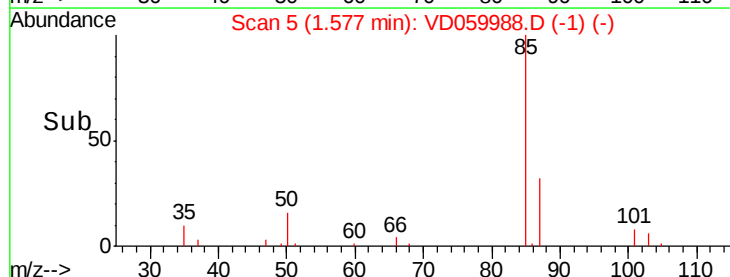
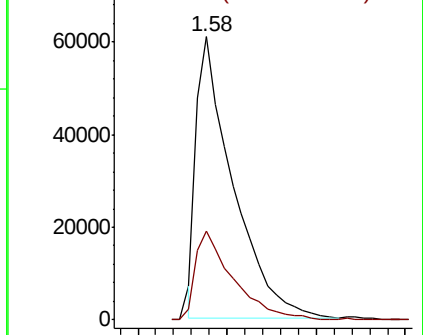
85 100

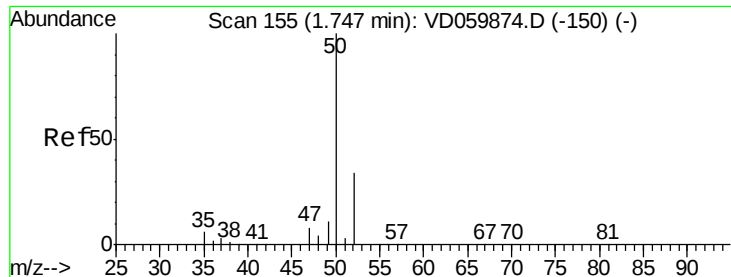
87 31.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.12 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 50 Resp: 183132

Ion Ratio Lower Upper

50 100

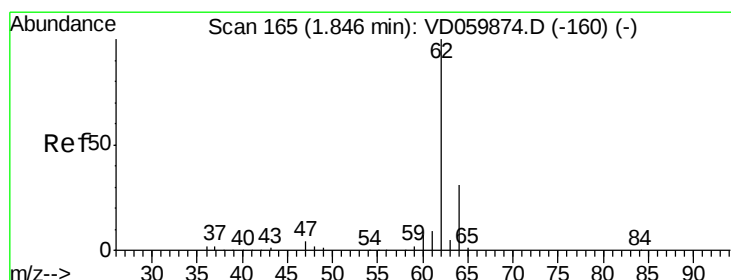
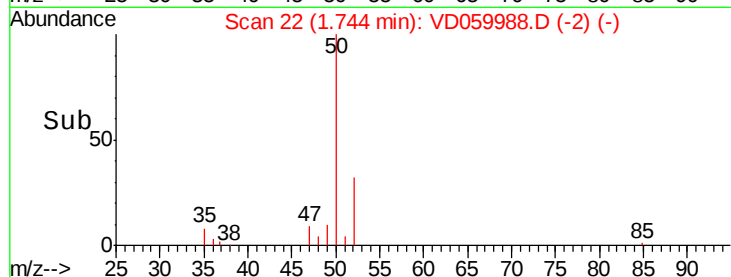
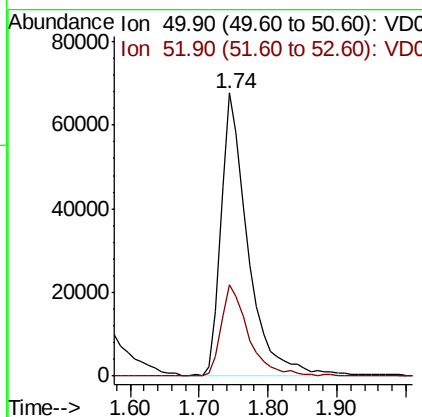
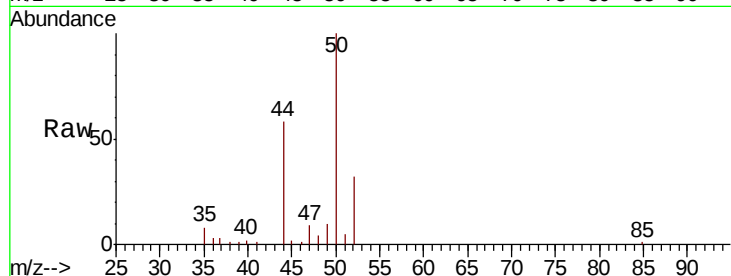
52 32.4 27.0 40.6

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#4

Vinyl Chloride

Concen: 18.34 ug/l

RT: 1.84 min Scan# 32

Delta R.T. -0.00 min

Lab File: VD059988.D

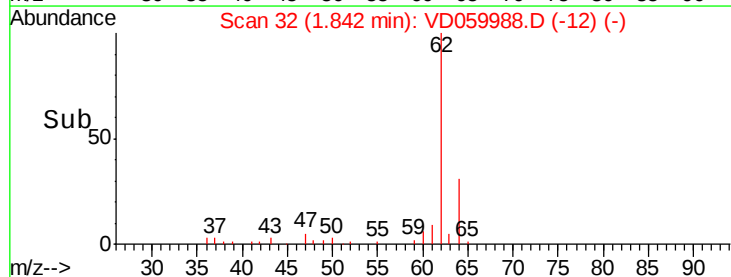
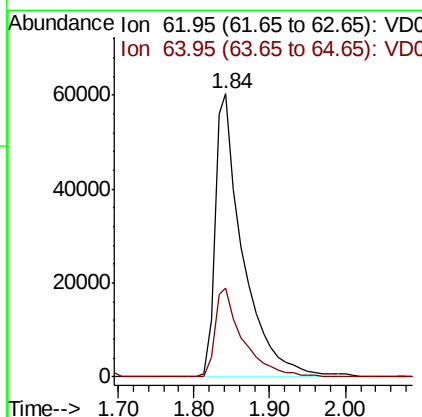
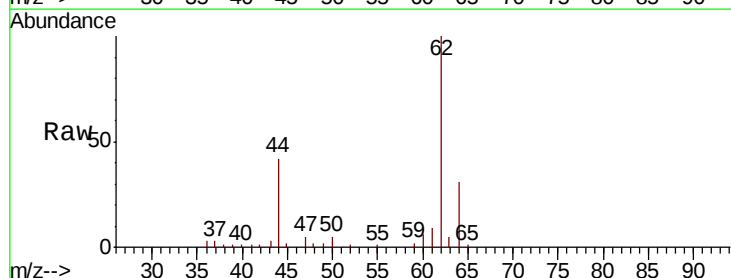
Acq: 10 Sep 2018 12:58

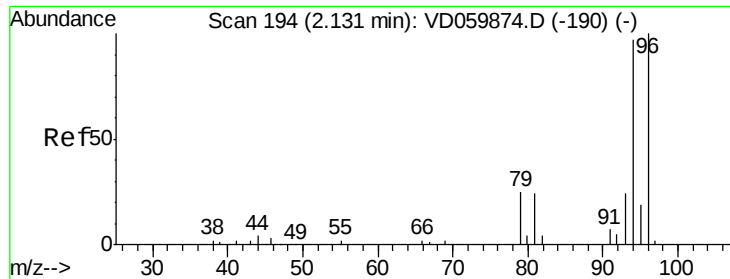
Tgt Ion: 62 Resp: 153804

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 9.31 ug/l

RT: 2.12 min Scan# 60

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tot Ion: 94 Resp: 13486

Ion Ratio Lower Upper

94 100

96 93.7 82.4 123.6

Instrument :

MSVOA_D

ClientSampleId :

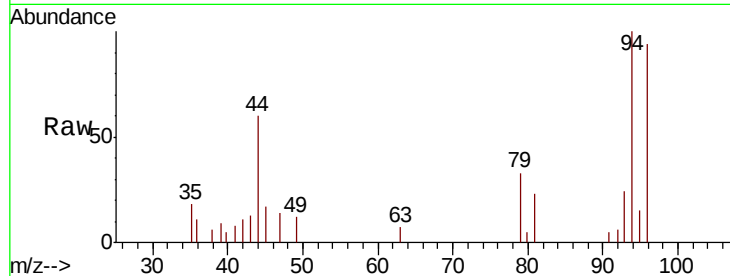
VD0910SBSD01

Manual Integrations

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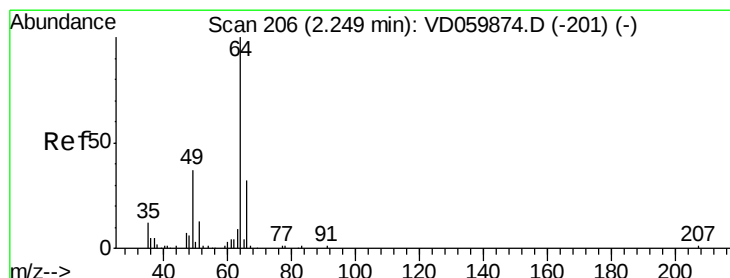
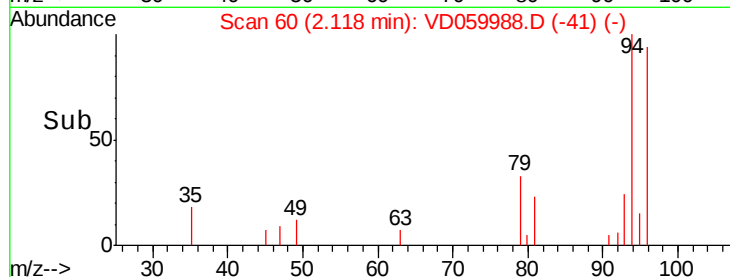
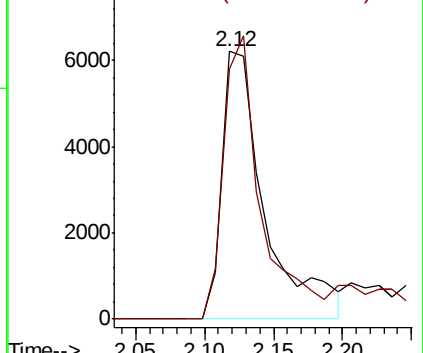
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.57 ug/l

RT: 2.24 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD059988.D

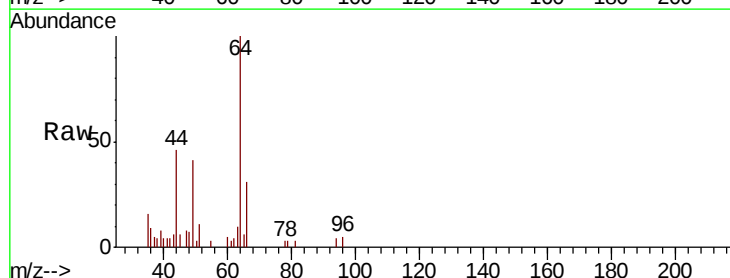
Acq: 10 Sep 2018 12:58

Tgt Ion: 64 Resp: 38347

Ion Ratio Lower Upper

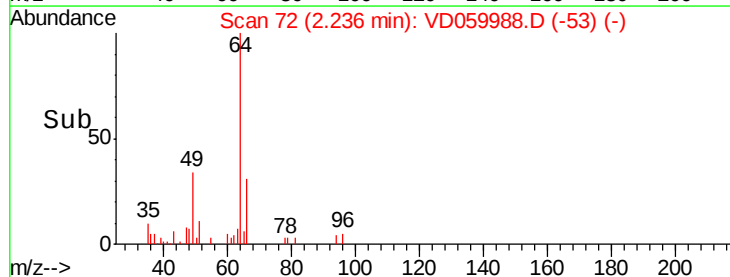
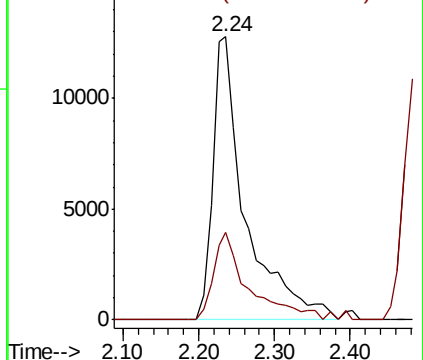
64 100

66 31.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

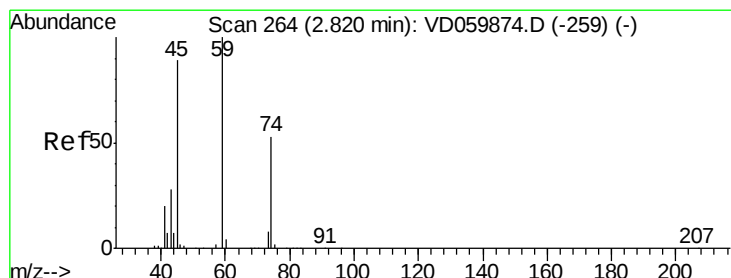
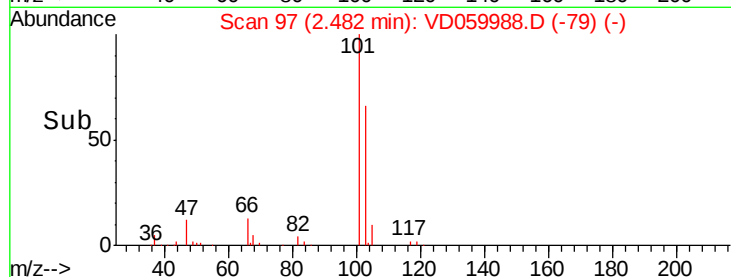
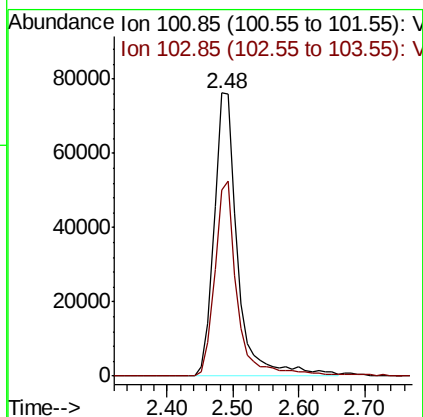
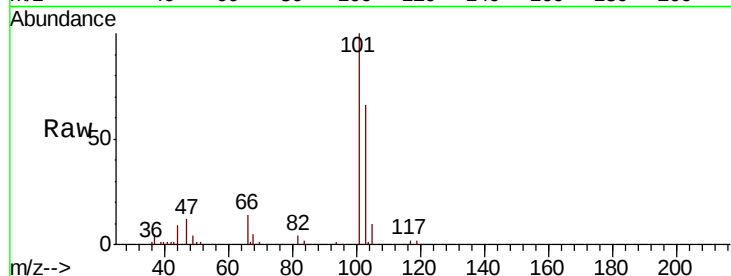
Trichlorofluoromethane
Concen: 19.35 ug/l
RT: 2.48 min Scan# 97
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

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VD0910SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	187766		
103	65.8	53.7	80.5	

Manual Integrations
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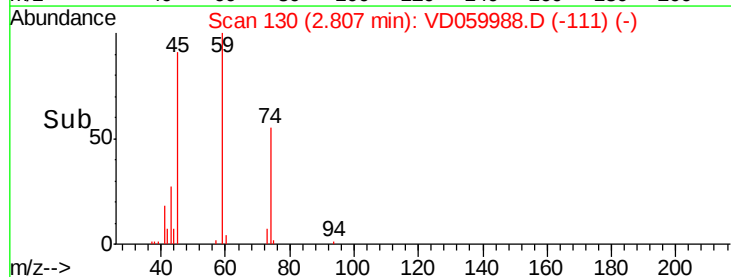
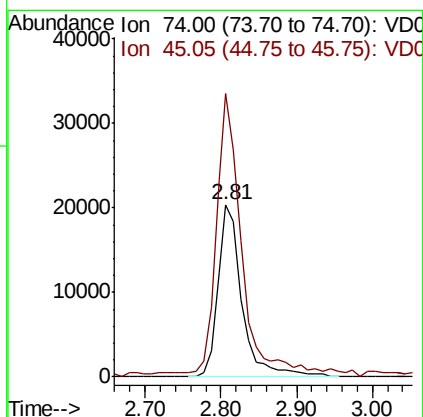
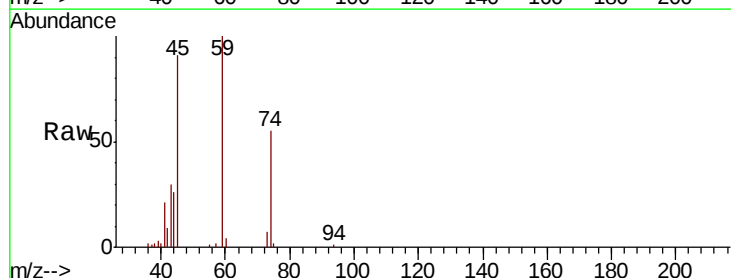
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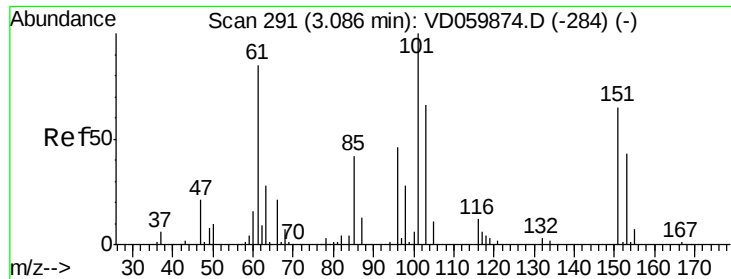


#8

Diethyl Ether
Concen: 20.80 ug/l
RT: 2.81 min Scan# 130
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45281		
45	163.9	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.83 ug/l

RT: 3.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

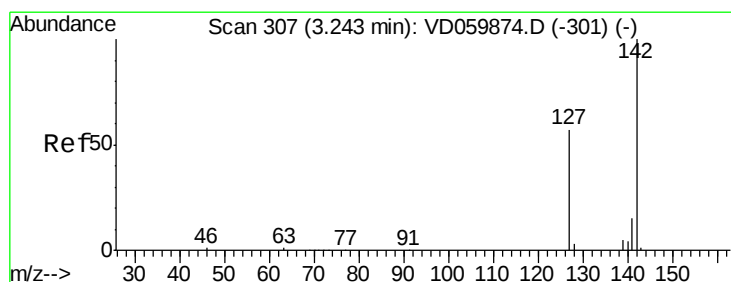
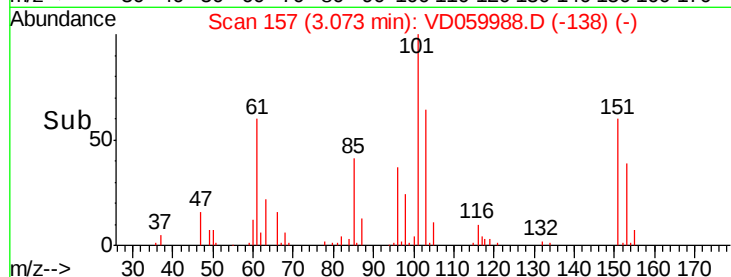
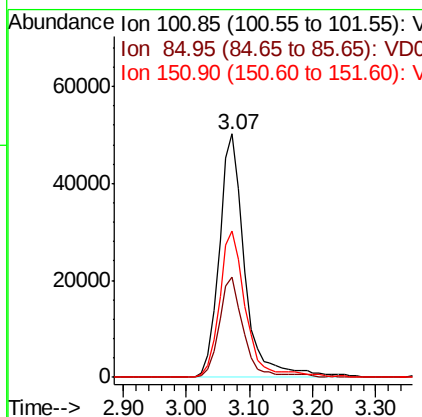
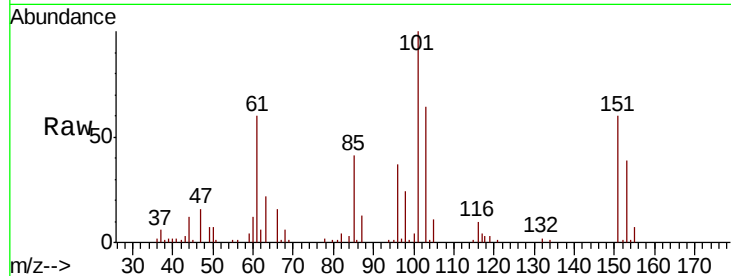
ClientSampleId :

VD0910SBS01

Tot Ion:	101	Resp:	141618
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.6	50.4
151	60.2	52.0	78.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.89 ug/l

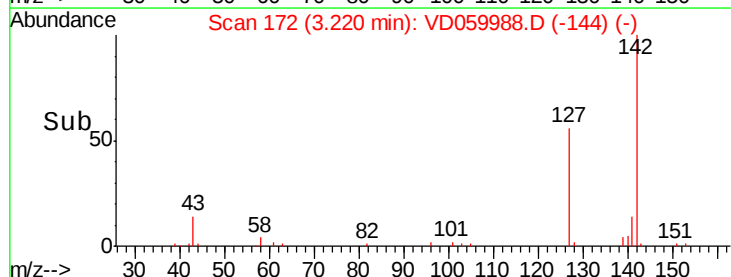
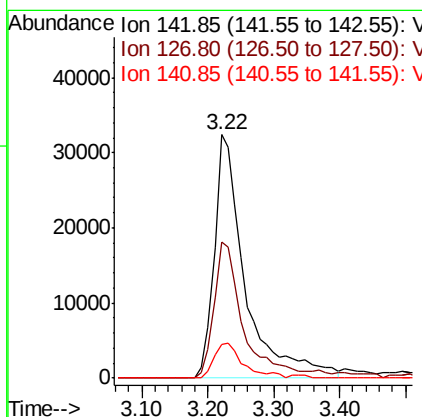
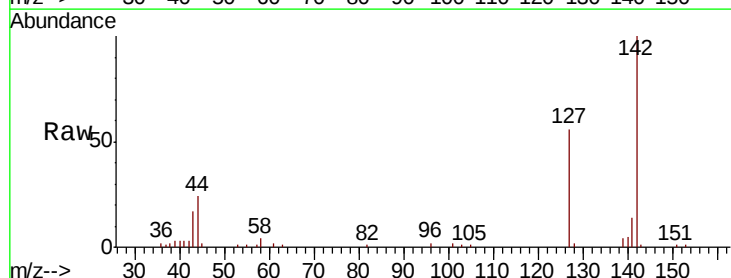
RT: 3.22 min Scan# 172

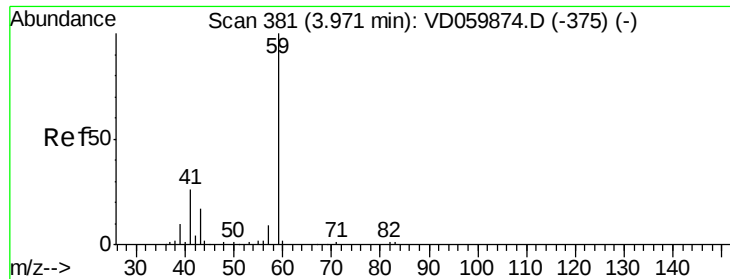
Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion:	142	Resp:	104909
Ion Ratio	Lower	Upper	
142	100		
127	56.0	45.8	68.6
141	14.1	11.6	17.4





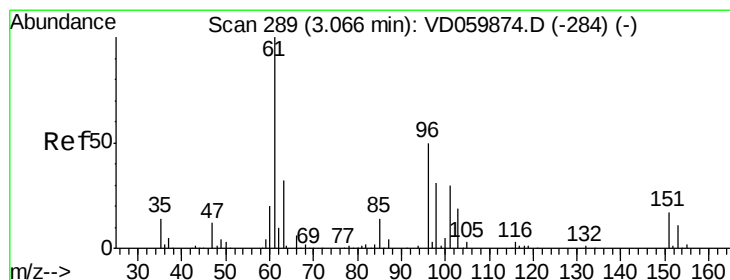
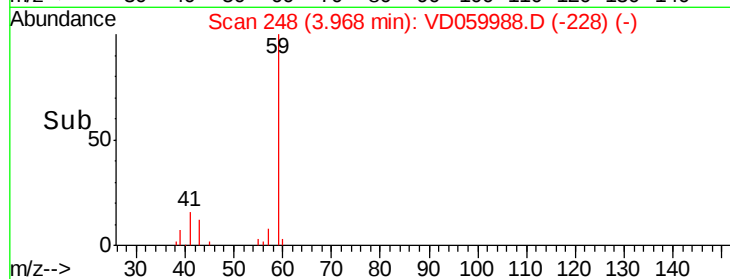
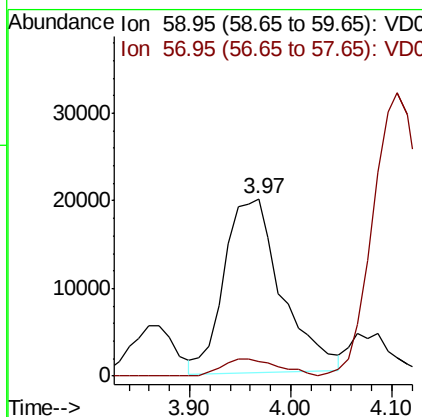
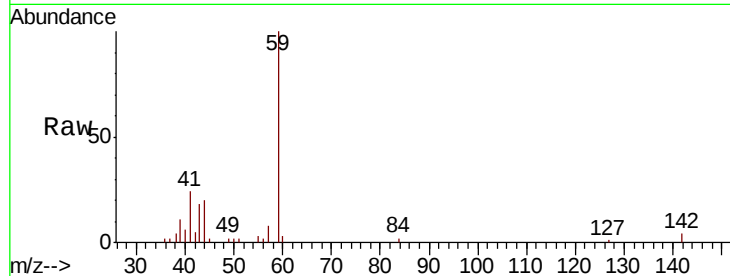
#11
Tert butyl alcohol
Concen: 93.28 ug/l
RT: 3.97 min Scan# 248
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	7.4	11.0

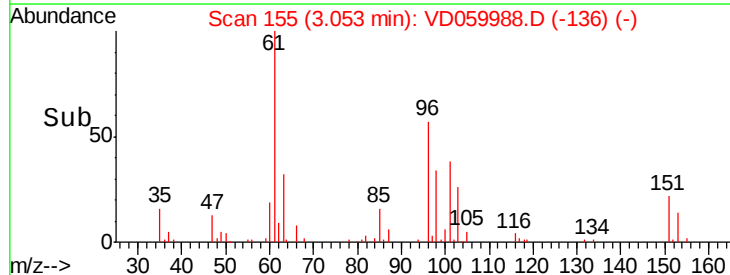
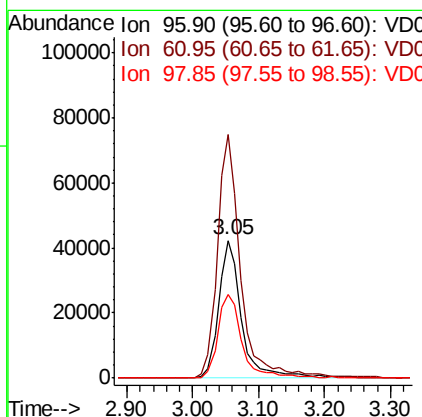
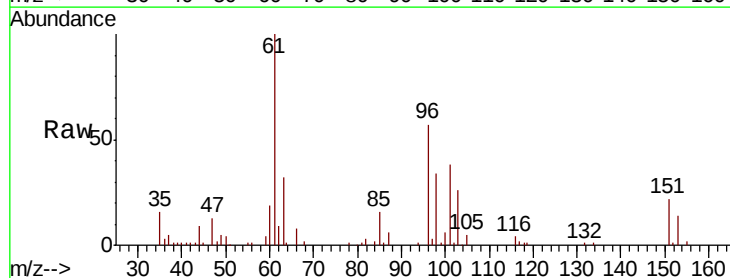
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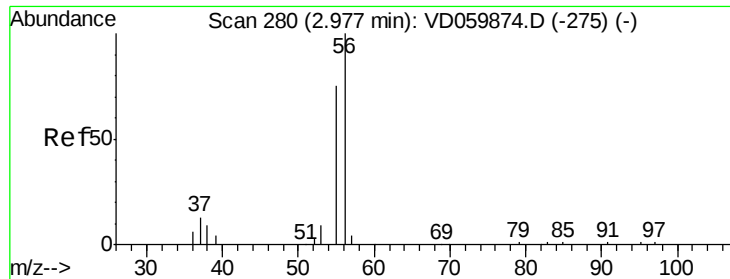
apatel
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#12
1,1-Dichloroethene
Concen: 22.11 ug/l
RT: 3.05 min Scan# 155
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.6	158.8	238.2
98	60.7	48.7	73.1





#13

Acrolein

Concen: 53.87 ug/l

RT: 2.96 min Scan# 146

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBSD01

Tot Ion: 56 Resp: 19851

Ion Ratio Lower Upper

56 100

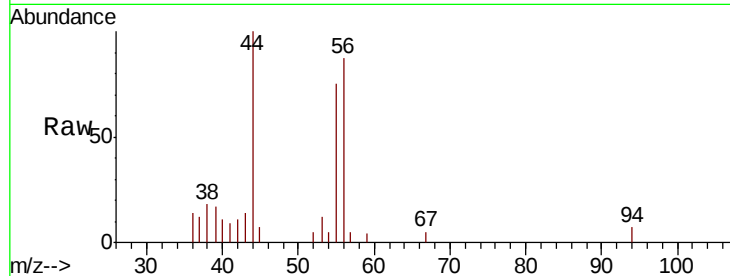
55 86.7 61.9 92.9

Manual Integrations

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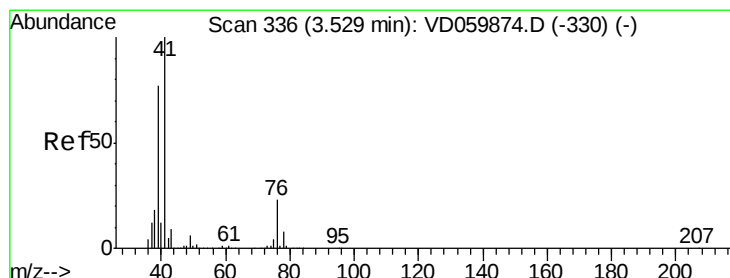
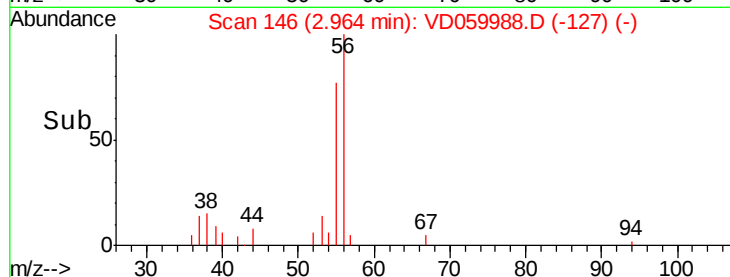
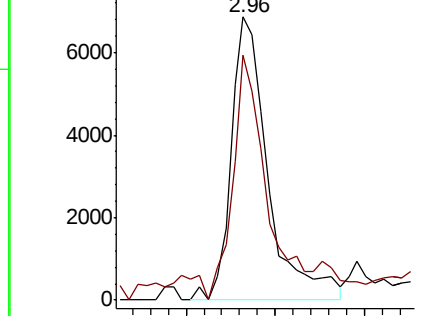
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.98 ug/l

RT: 3.52 min Scan# 202

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

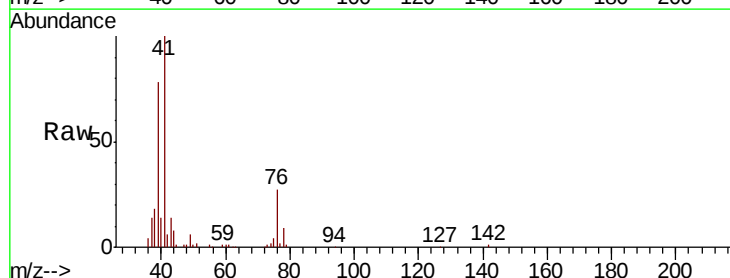
Tgt Ion: 41 Resp: 219560

Ion Ratio Lower Upper

41 100

39 78.1 61.8 92.6

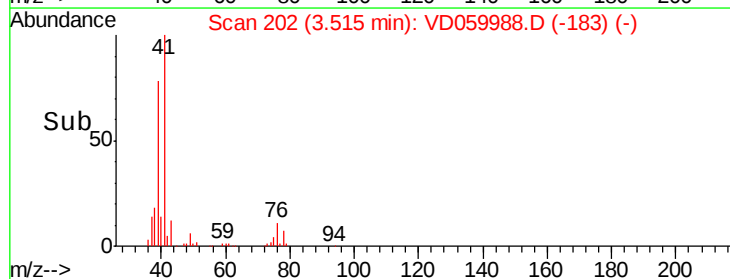
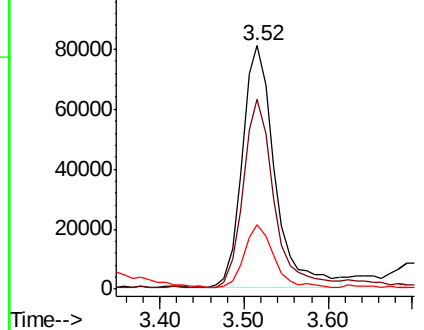
76 26.7 19.4 29.2

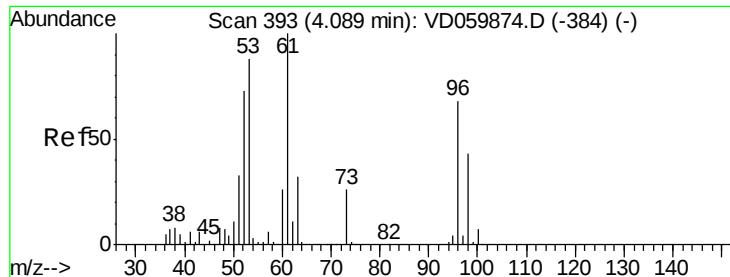


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.22 ug/l

RT: 4.07 min Scan# 258

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

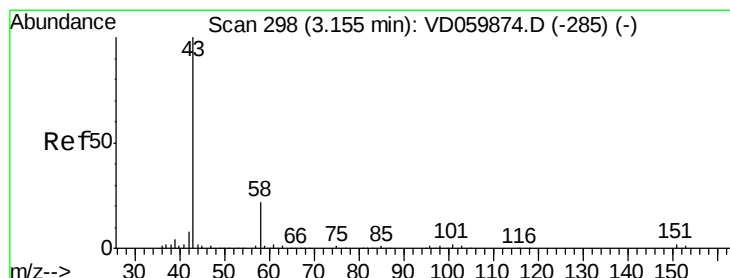
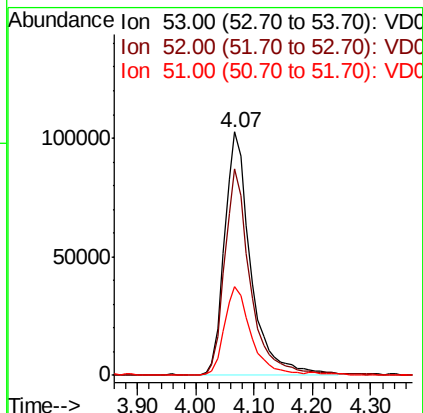
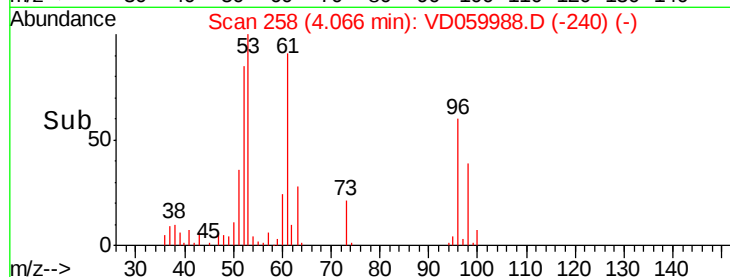
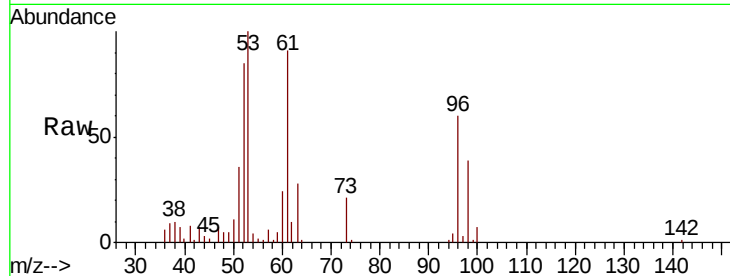
VD0910SBS01

Tot Ion: 53 Resp: 322030
Ion Ratio Lower Upper

53	100		
52	84.9	66.9	100.3
51	36.3	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 108.29 ug/l

RT: 3.14 min Scan# 164

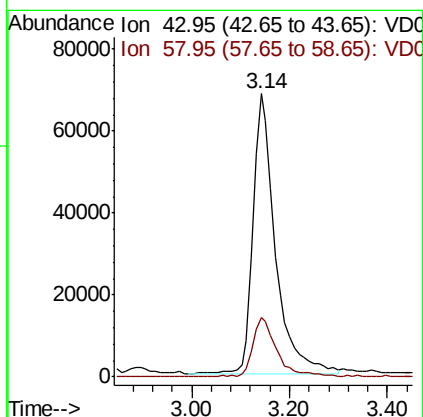
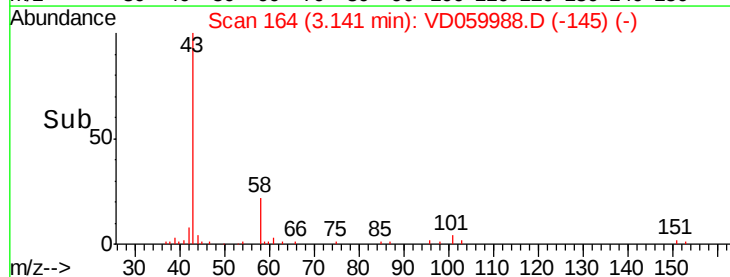
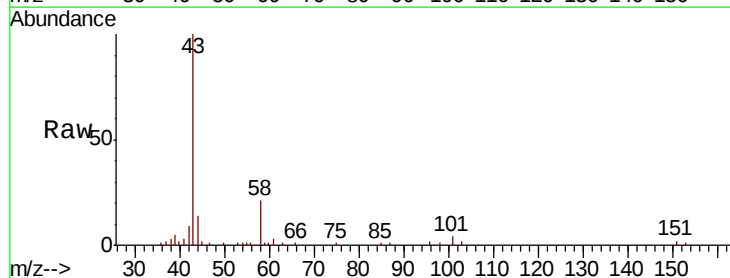
Delta R.T. -0.01 min

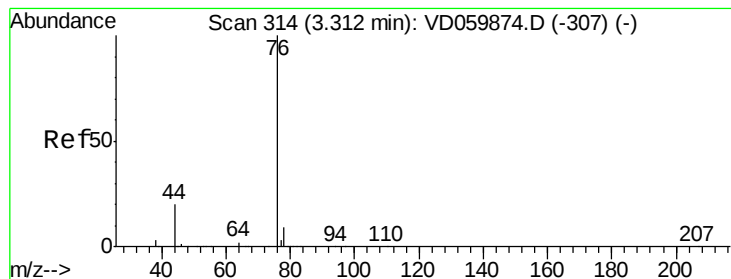
Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion: 43 Resp: 219668
Ion Ratio Lower Upper

43	100		
58	21.2	17.6	26.4





#17

Carbon Disulfide

Concen: 15.33 ug/l

RT: 3.30 min Scan# 180

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 76 Resp: 220193

Ion Ratio Lower Upper

76 100

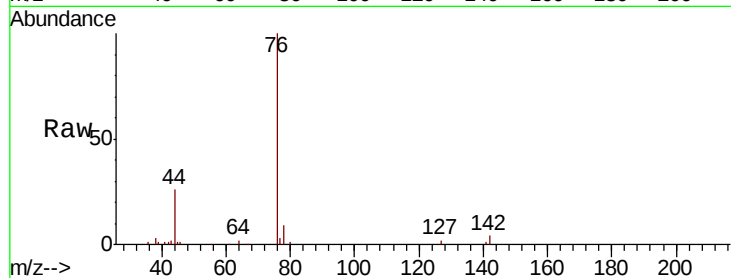
78 9.4 7.4 11.2

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.30

80000

60000

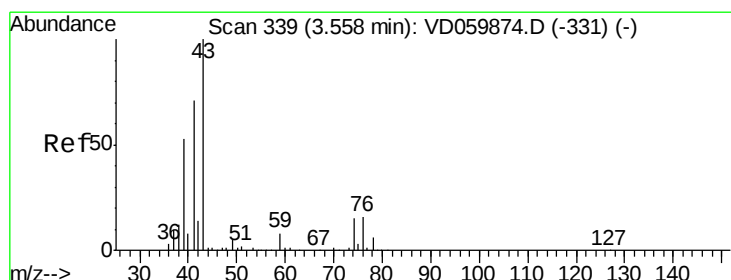
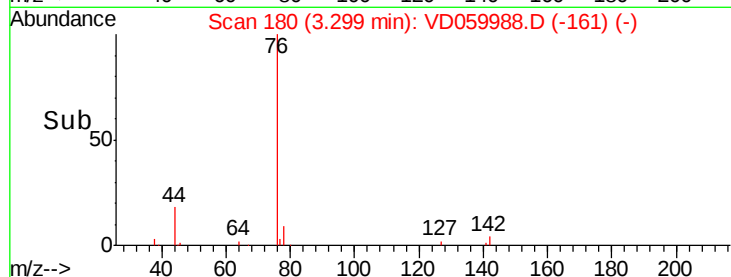
40000

20000

0

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 18.35 ug/l

RT: 3.54 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059988.D

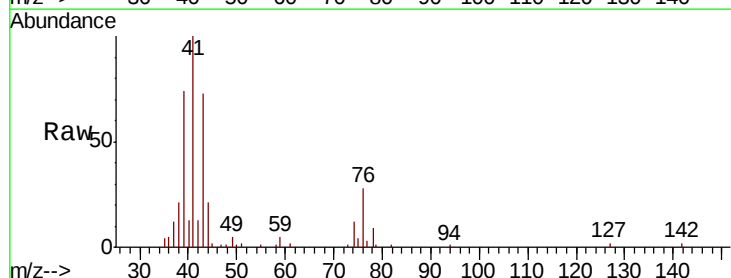
Acq: 10 Sep 2018 12:58

Tgt Ion: 43 Resp: 77716

Ion Ratio Lower Upper

43 100

74 17.0 11.2 16.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.54

30000

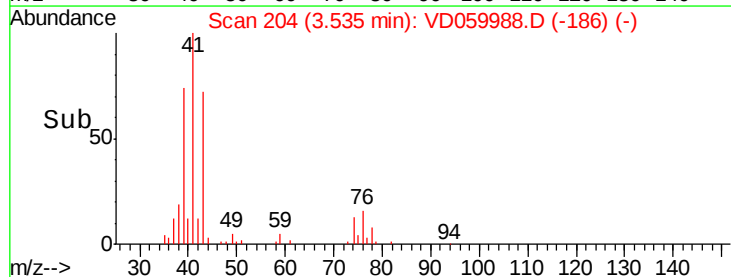
20000

10000

0

3.50 3.60

Time-->





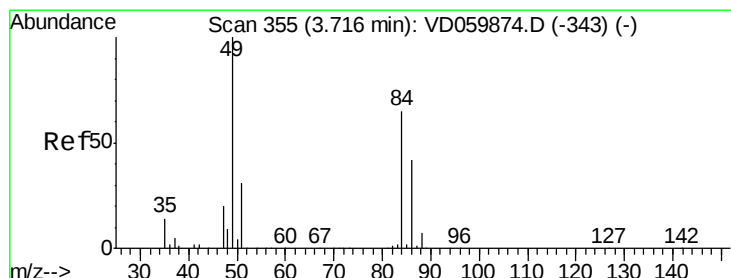
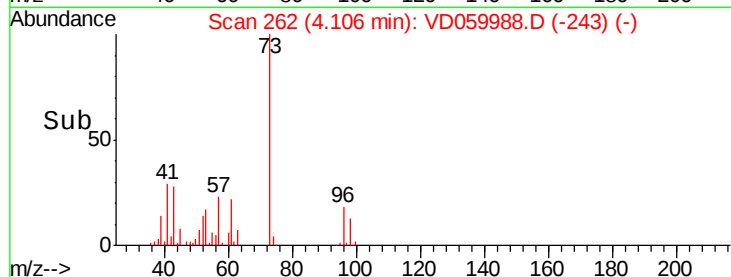
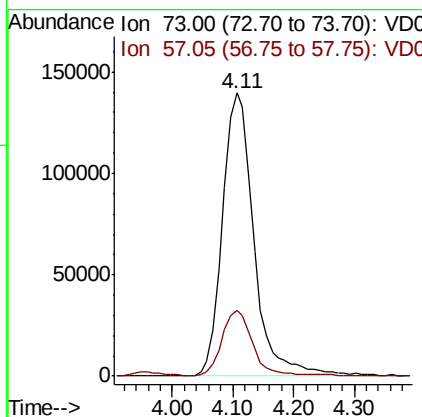
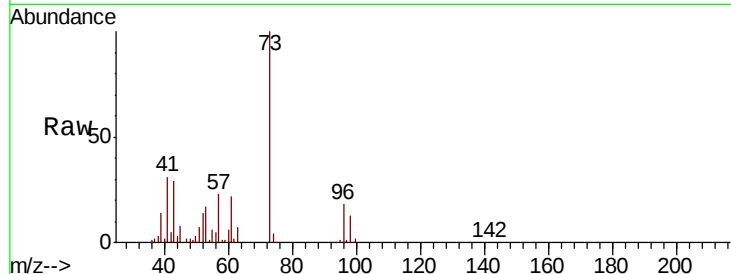
#19
Methvl tert-butvl Ether
Concen: 19.19 ug/l
RT: 4.11 min Scan# 262
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 73 Resp: 502200
Ion Ratio Lower Upper
73 100
57 23.1 17.9 26.9

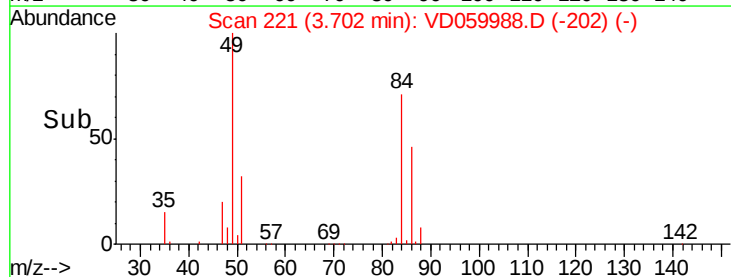
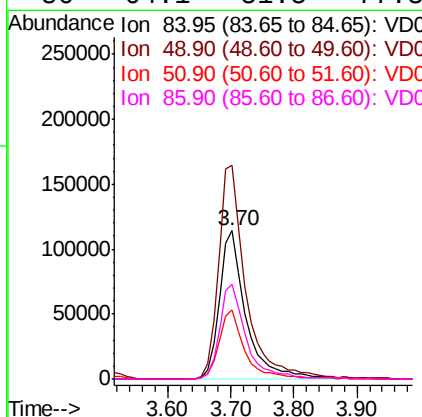
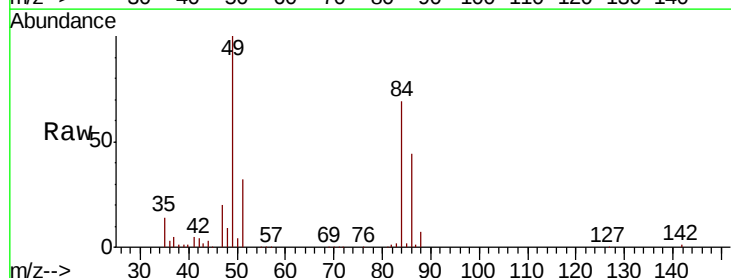
Manual Integrations
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#20
Methylene Chloride
Concen: 22.63 ug/l
RT: 3.70 min Scan# 221
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 84 Resp: 333998
Ion Ratio Lower Upper
84 100
49 144.2 122.6 183.8
51 46.6 38.4 57.6
86 64.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 18.19 ug/l

RT: 4.08 min Scan# 259

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

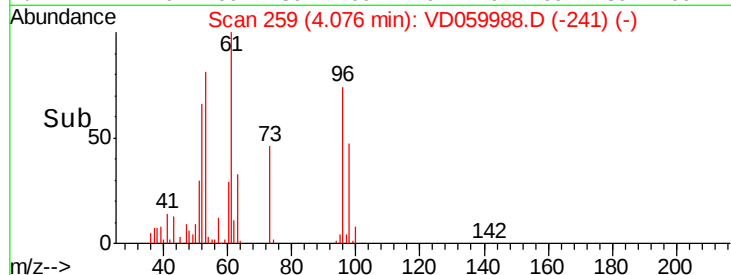
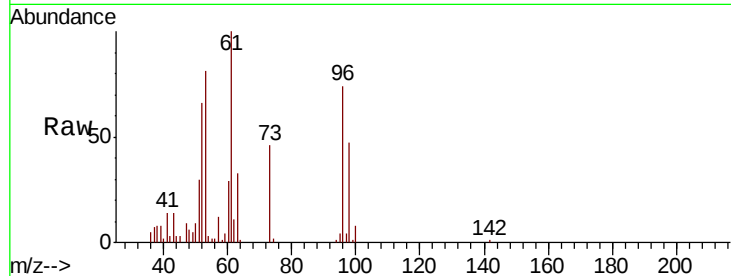
ClientSampleId :

VD0910SBS01

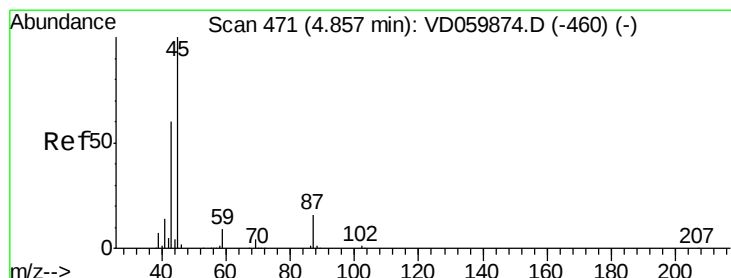
Tot Ion:	96	Resp:	231825
Ion Ratio	Lower	Upper	
96	100		
61	134.4	110.2	165.4
98	63.0	50.9	76.3

Manual Integrations
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Time-->



#22

Diisopropyl ether

Concen: 19.61 ug/l

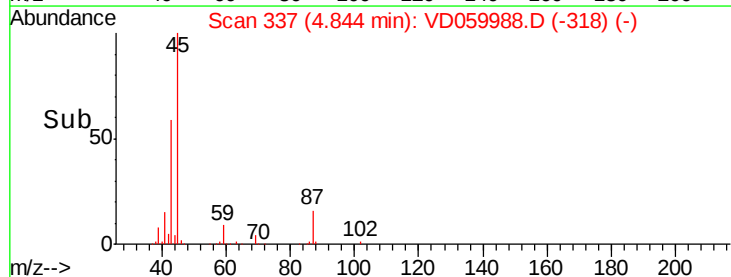
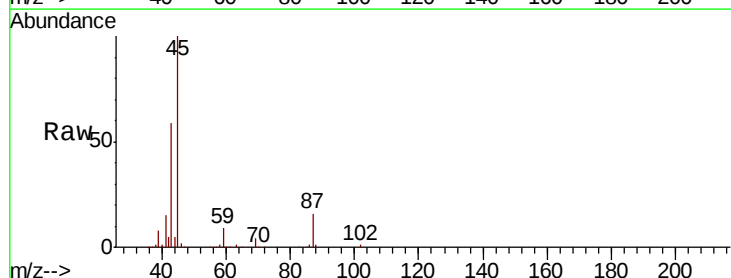
RT: 4.84 min Scan# 337

Delta R.T. -0.01 min

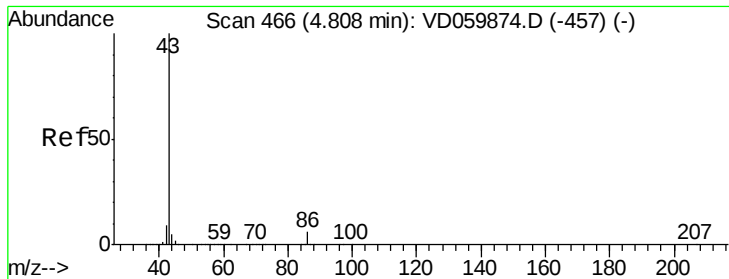
Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion:	45	Resp:	1046736
Ion Ratio	Lower	Upper	
45	100		
43	58.8	48.6	72.8
87	16.4	13.3	19.9
59	8.9	7.1	10.7



Time-->



#23

Vinyl Acetate

Concen: 100.18 ug/l

RT: 4.78 min Scan# 331

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 43 Resp: 2989244

Ion Ratio Lower Upper

43 100

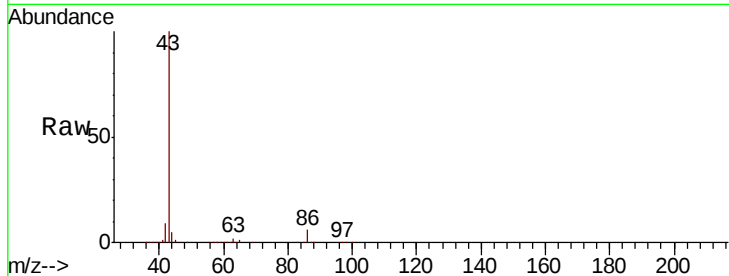
86 5.9 5.0 7.6

Manual Integrations

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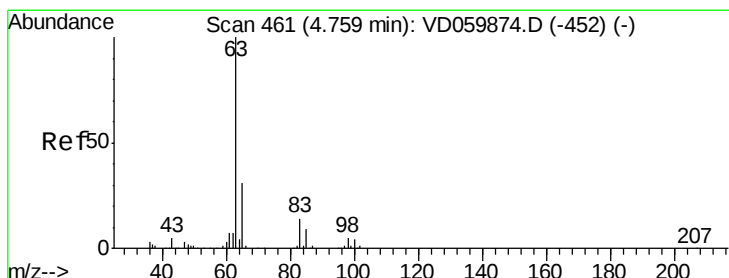
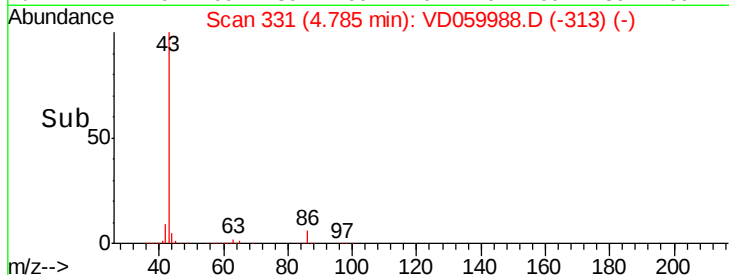
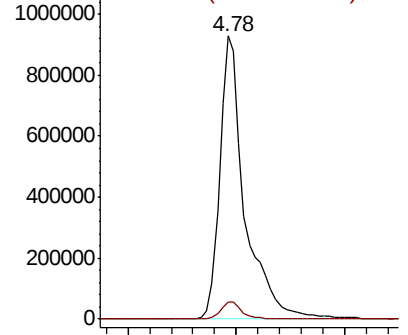
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.64 ug/l

RT: 4.74 min Scan# 326

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

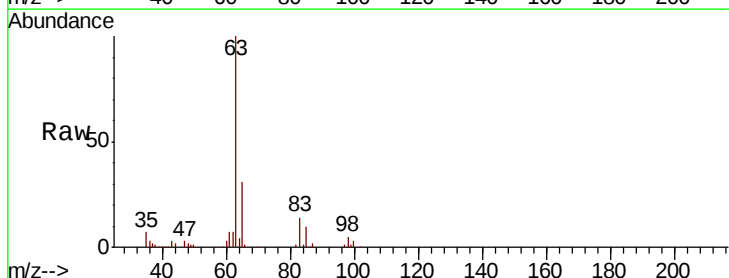
Tgt Ion: 63 Resp: 452809

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

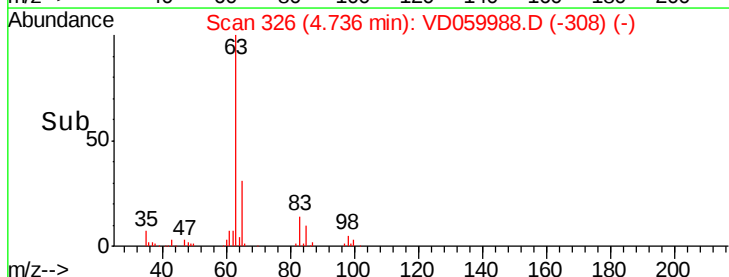
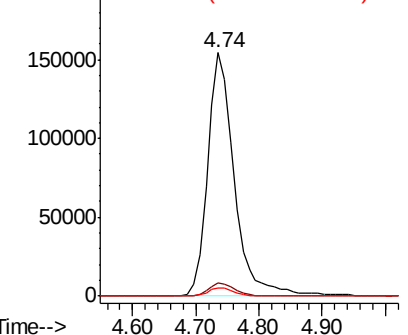
100 3.1 1.8 5.3



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: 84.71 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBSD01

Tot Ion: 43 Resp: 508913

Ion Ratio Lower Upper

43 100

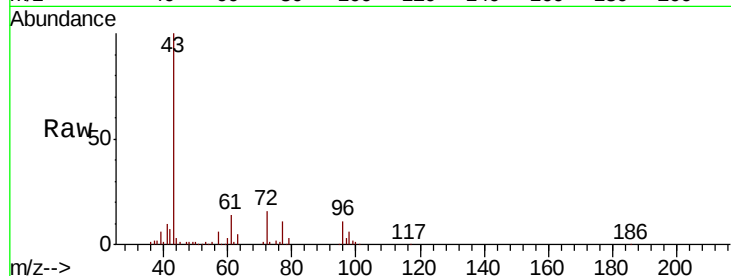
72 16.0 12.3 18.5

Manual Integrations

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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

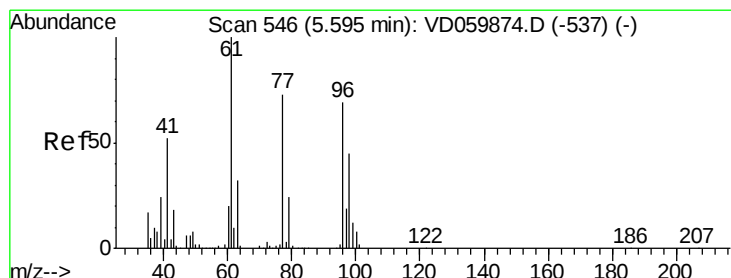
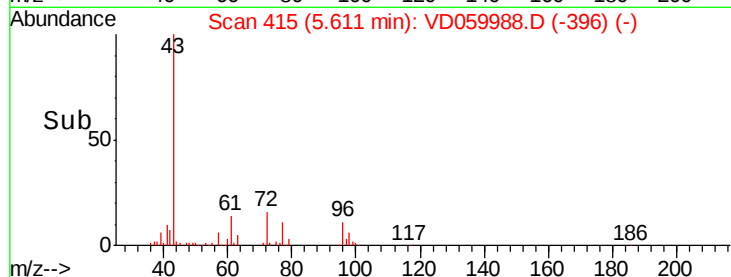
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 19.25 ug/l

RT: 5.57 min Scan# 411

Delta R.T. -0.02 min

Lab File: VD059988.D

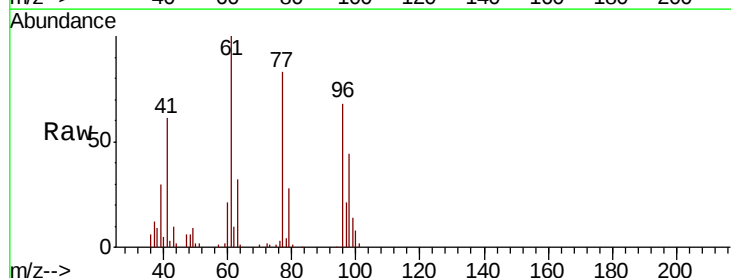
Acq: 10 Sep 2018 12:58

Tgt Ion: 77 Resp: 371046

Ion Ratio Lower Upper

77 100

97 24.7 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

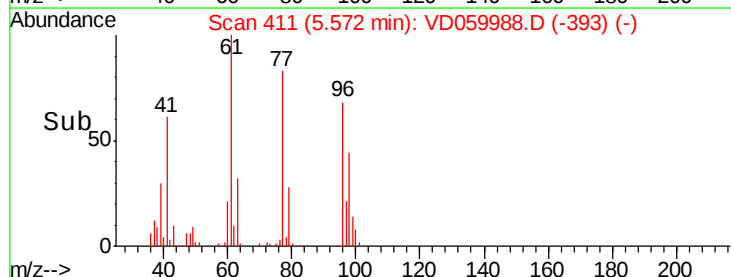
100000

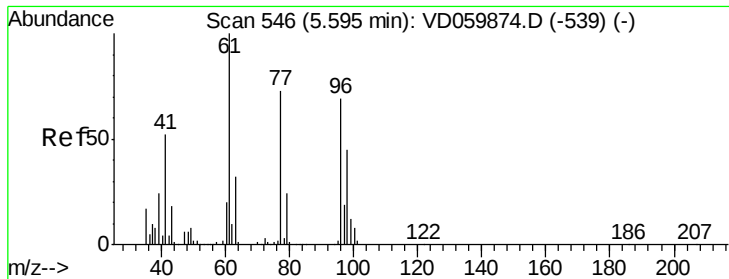
50000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

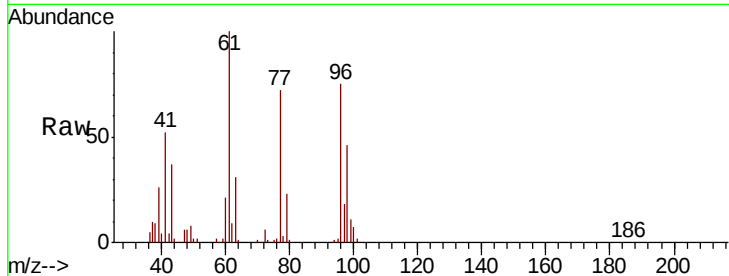
cis-1,2-Dichloroethene
 Concen: 20.11 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

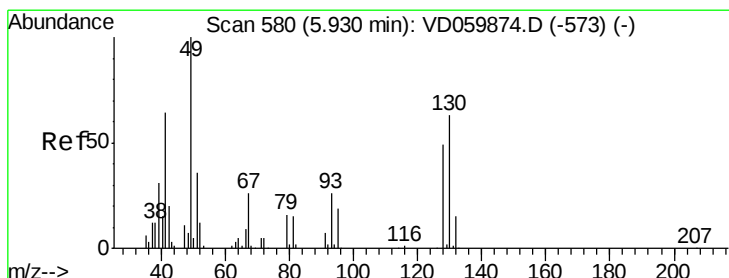
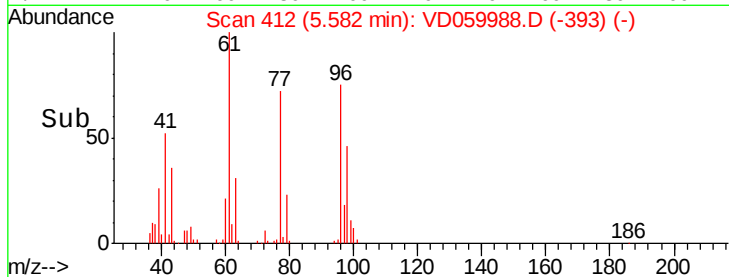
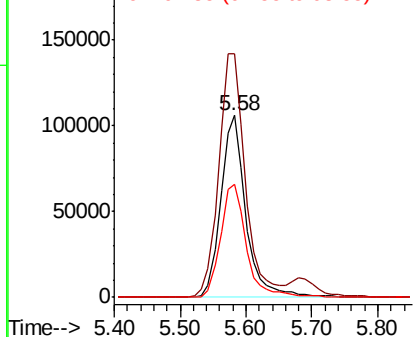
Tot Ion	Ratio	Resp	Lower	Upper
96	100	280736		
61	134.0		0.0	290.2
98	62.3		0.0	130.4

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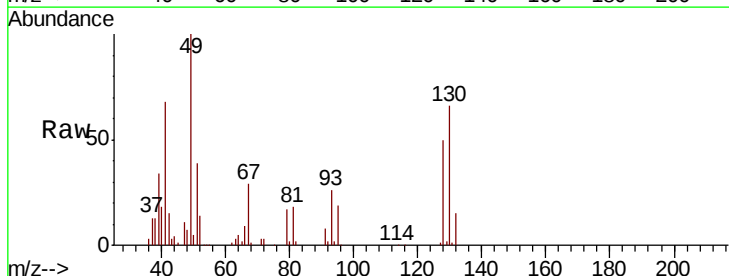
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



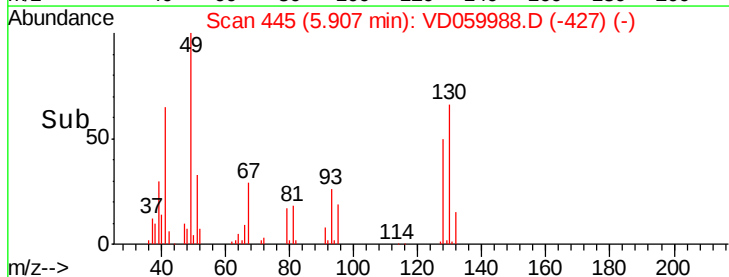
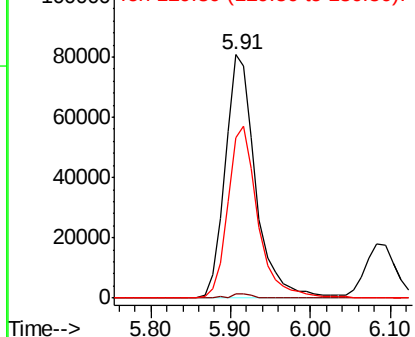
#28

Bromochloromethane
 Concen: 19.60 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	216579		
129	1.5		0.0	3.2
130	66.1		50.6	75.8



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





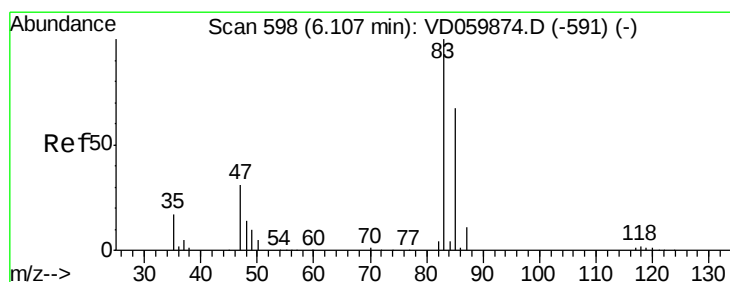
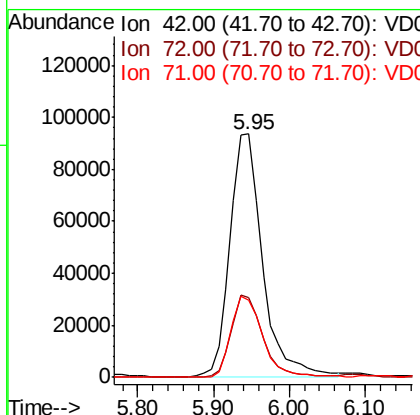
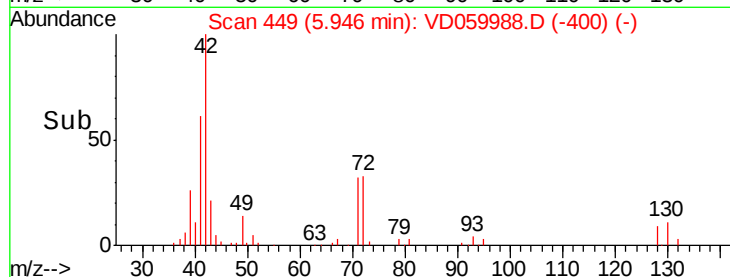
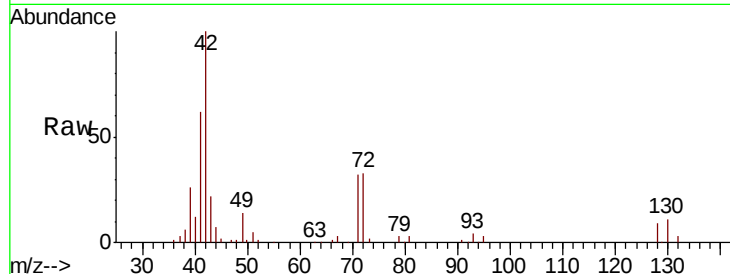
#29
Tetrahydrofuran
Concen: 97.97 ug/l
RT: 5.95 min Scan# 449
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.7	25.7	38.5
71	32.4	25.3	37.9

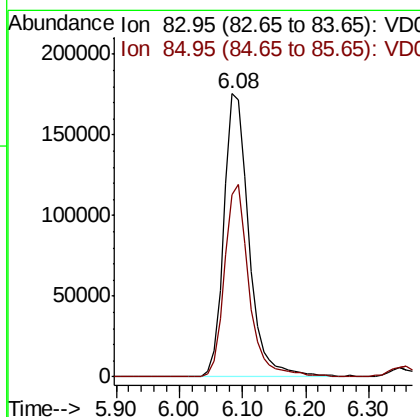
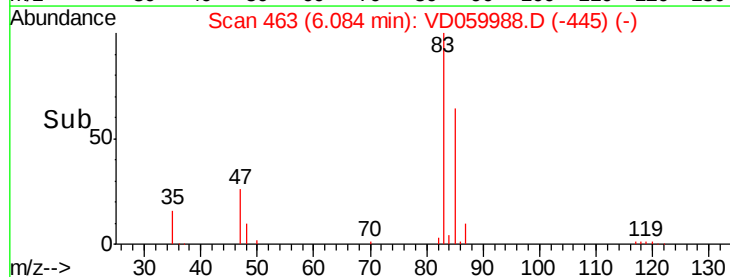
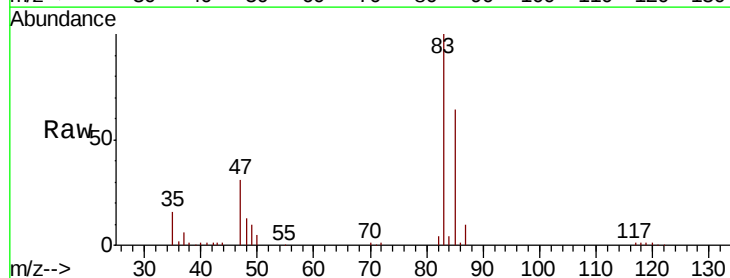
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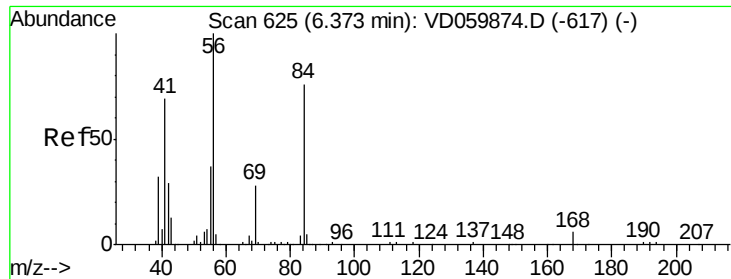
apatel
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#30
Chloroform
Concen: 20.63 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.5	80.3





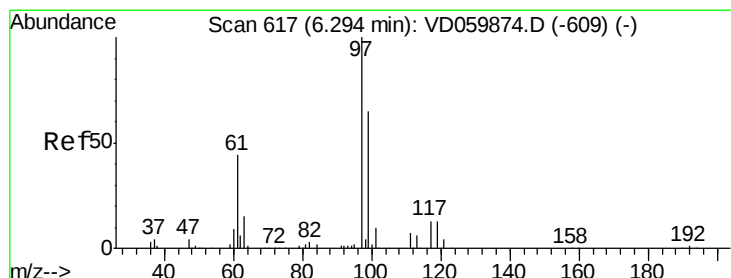
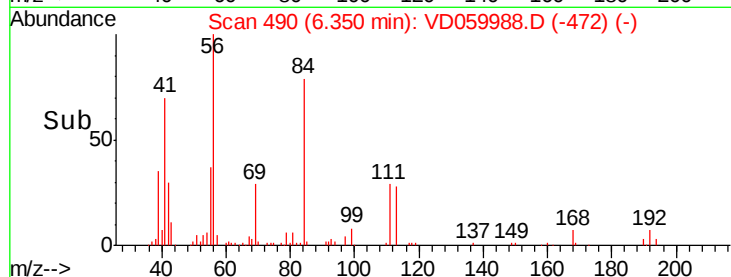
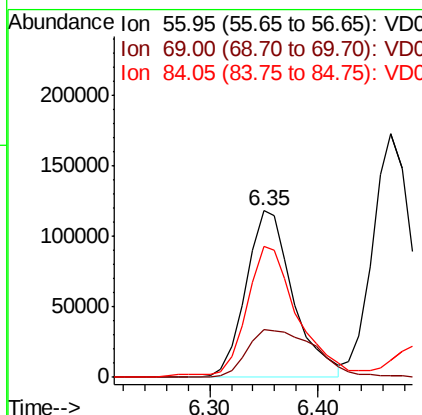
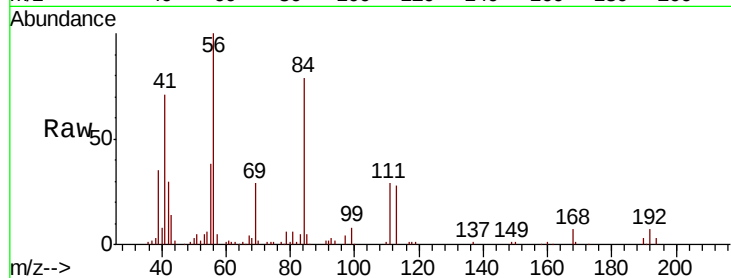
#31
Cyclohexane
Concen: 17.03 ug/l
RT: 6.35 min Scan# 490
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.4	33.6
84	78.7	62.1	93.1

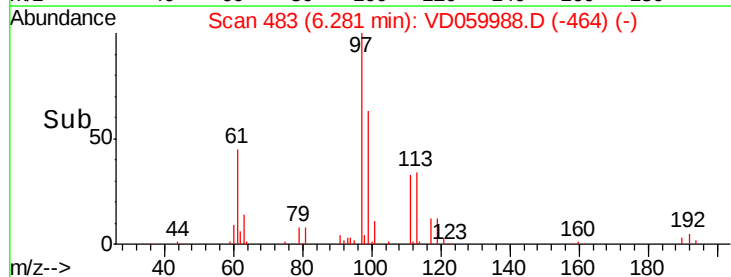
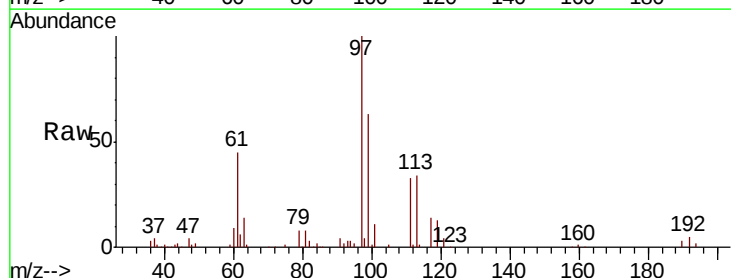
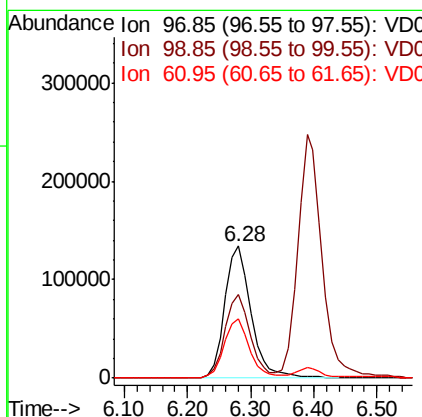
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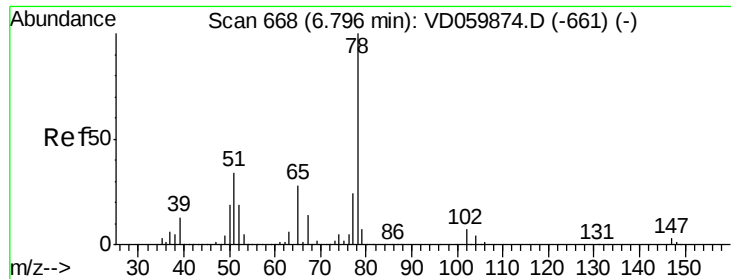
apatel
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#32
1,1,1-Trichloroethane
Concen: 19.52 ug/l
RT: 6.28 min Scan# 483
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.7	77.5
61	45.1	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 19.52 ug/l

RT: 6.77 min Scan# 533

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 65 Resp: 540585

Ion Ratio Lower Upper

65 100

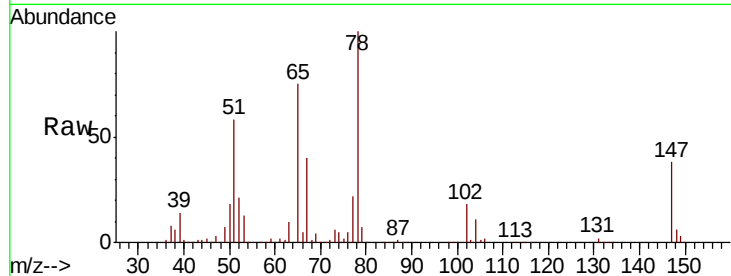
67 53.0 0.0 103.8

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

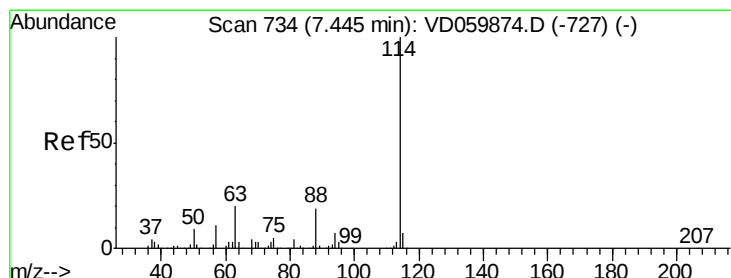
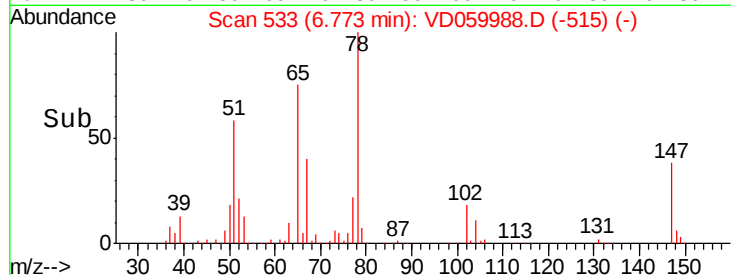
0

6.70

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

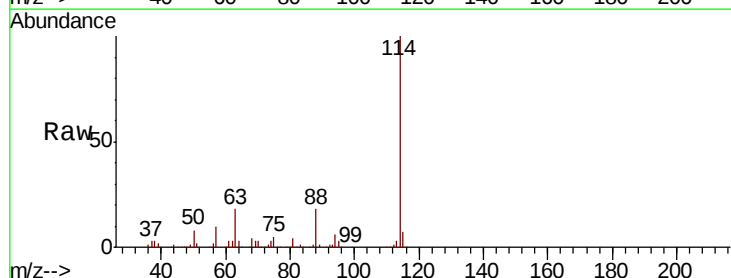
Tgt Ion: 114 Resp: 1826731

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.4

88 18.3 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

400000

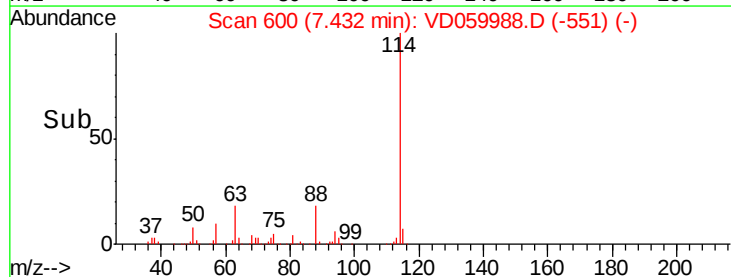
200000

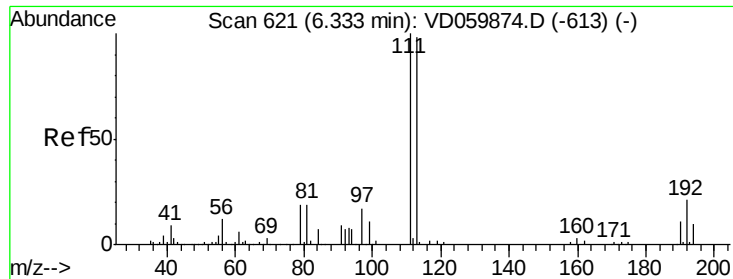
0

7.40

7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.31 min Scan# 486

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

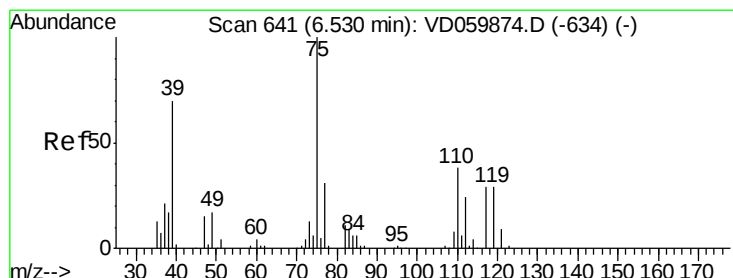
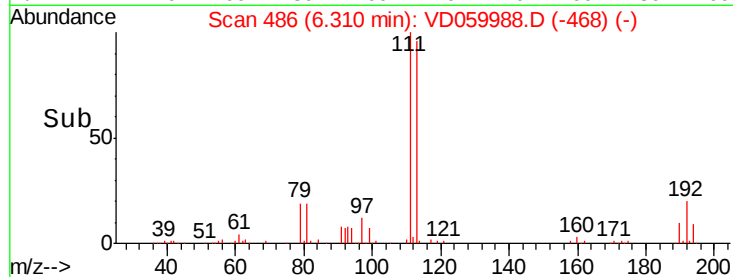
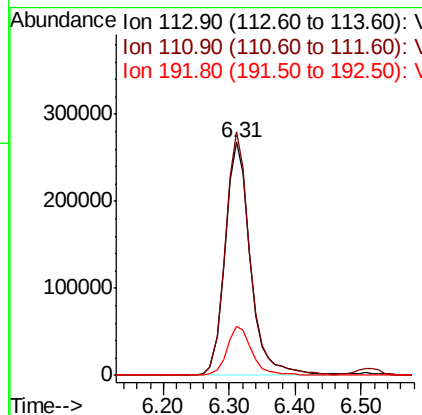
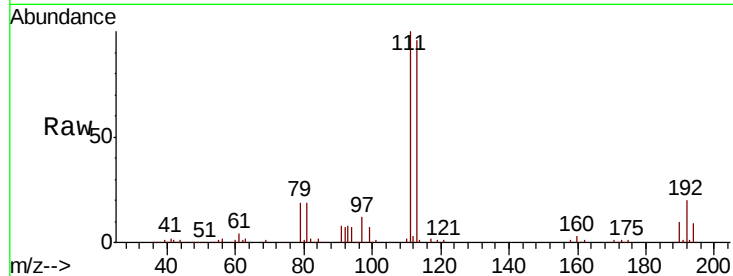
VD0910SBSD01

Tot Ion:	113	Resp:	721120
Ion Ratio	Lower	Upper	
113	100		
111	104.5	81.4	122.2
192	21.3	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 19.34 ug/l

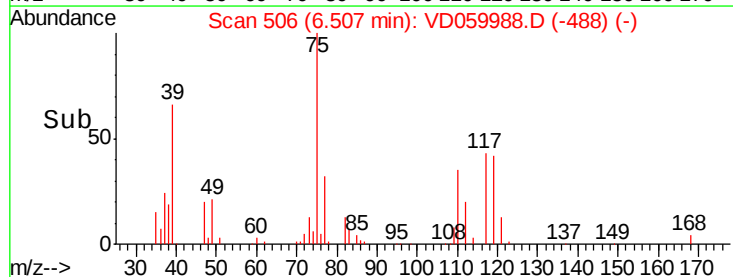
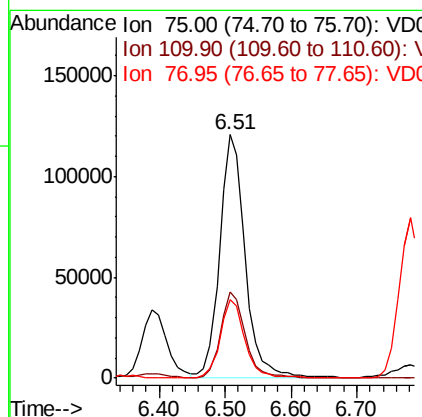
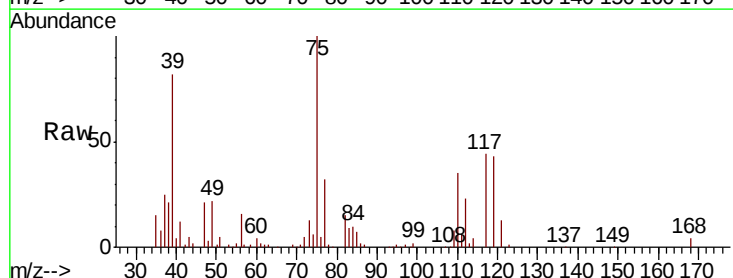
RT: 6.51 min Scan# 506

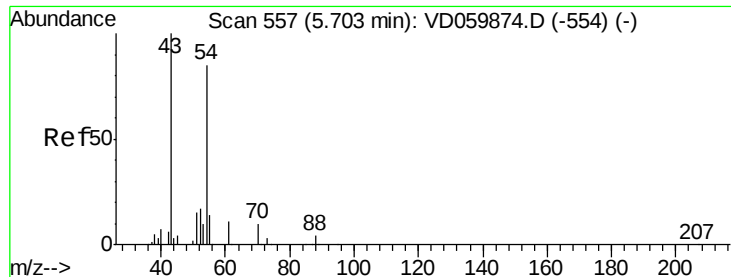
Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion:	75	Resp:	320219
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.6	56.0
77	32.4	25.1	37.7





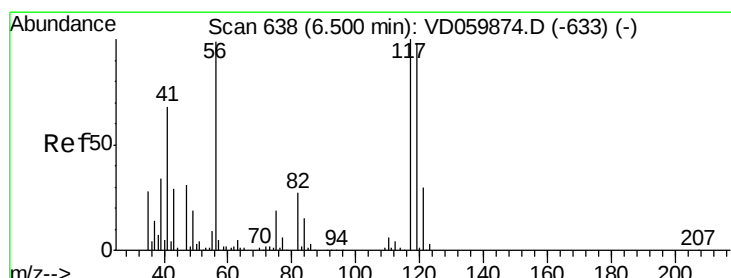
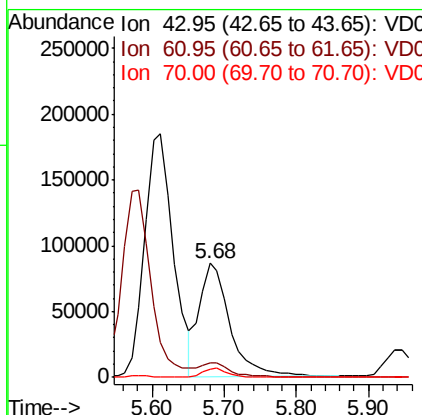
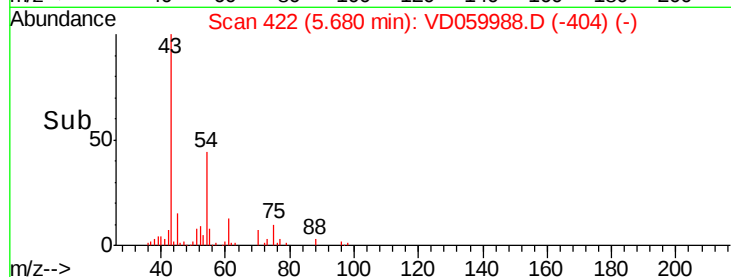
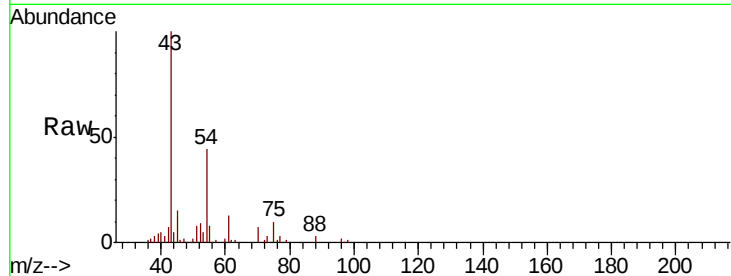
#37
Ethyl Acetate
Concen: 19.36 ug/l
RT: 5.68 min Scan# 422
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleID :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.6
70	6.9	5.7	8.5

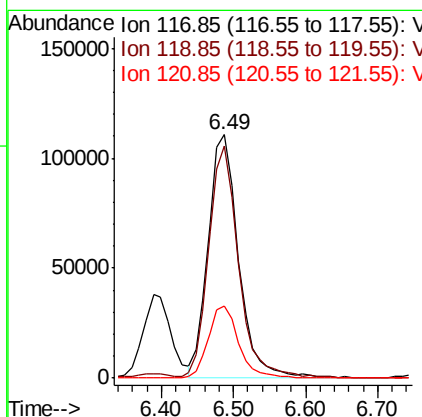
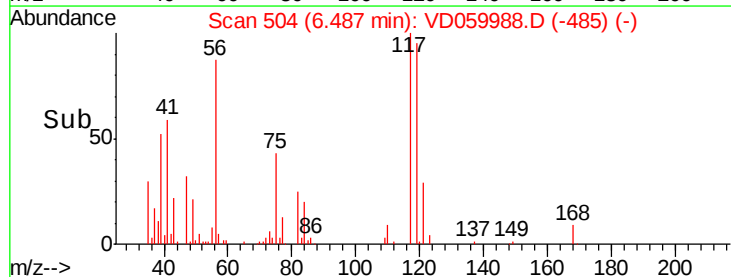
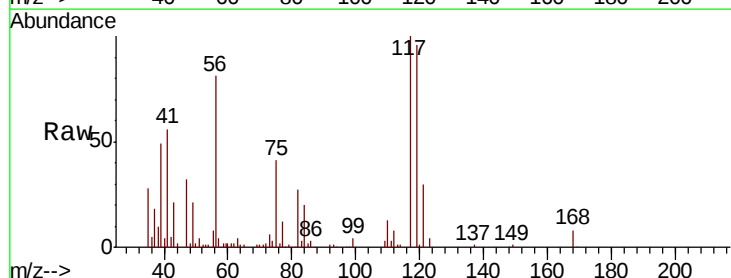
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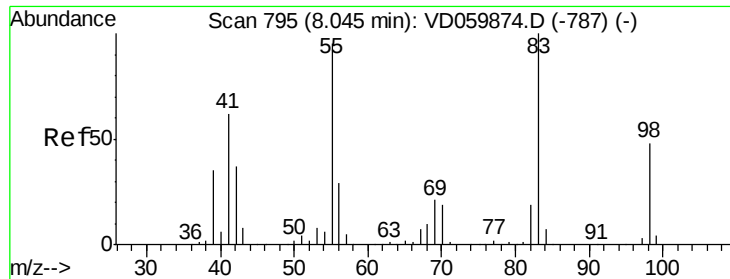
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#38
Carbon Tetrachloride
Concen: 18.96 ug/l
RT: 6.49 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.2	115.8
121	29.7	24.0	36.0





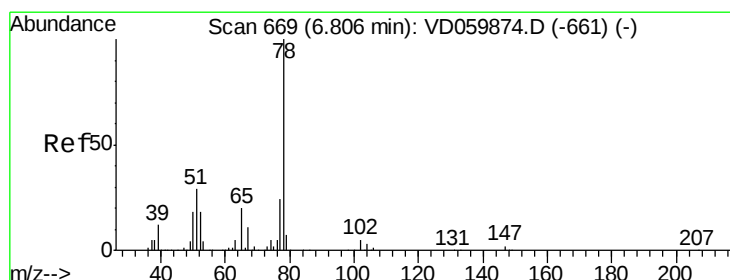
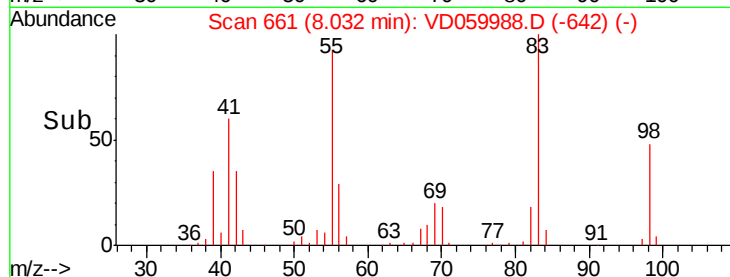
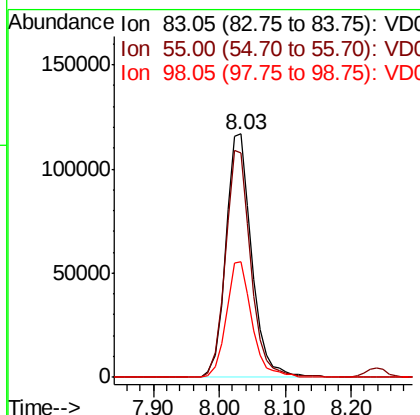
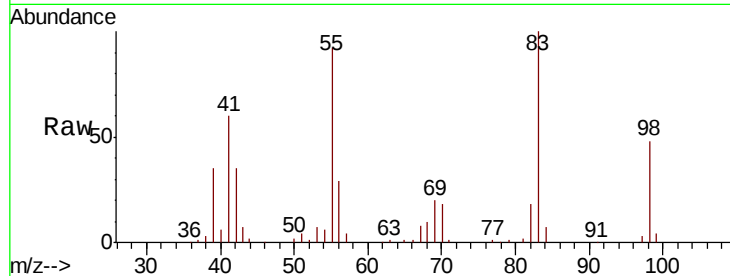
#39
Methvlcvclohexane
Concen: 17.96 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	83	Resp	321236
Ion Ratio	Lower	Upper	
83	100		
55	92.0	75.8	113.6
98	47.5	38.3	57.5

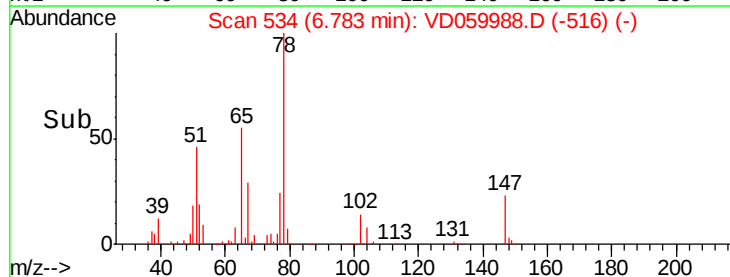
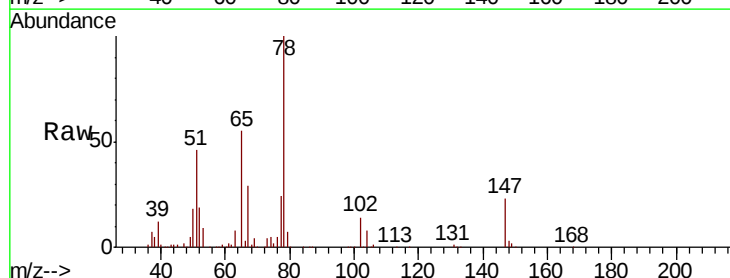
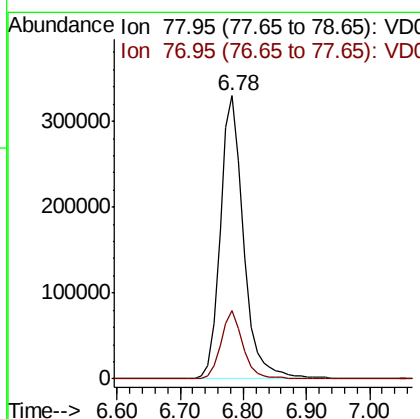
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#40
Benzene
Concen: 19.66 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.02 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	78	Resp	846523
Ion Ratio	Lower	Upper	
78	100		
77	24.2	19.0	28.4





#41

Methacrylonitrile

Concen: 18.33 ug/l m

RT: 5.91 min Scan# 445

Delta R.T. -0.03 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 41 Resp: 118982

Ion Ratio Lower Upper

41 100

39 49.9 39.4 59.2

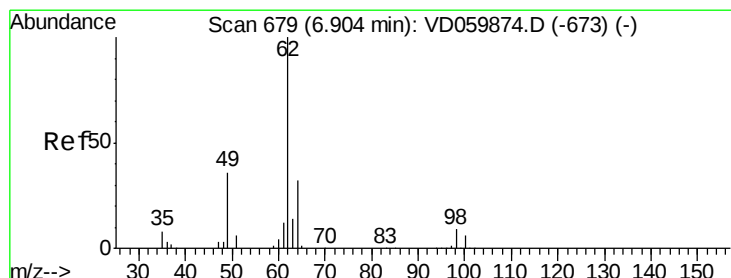
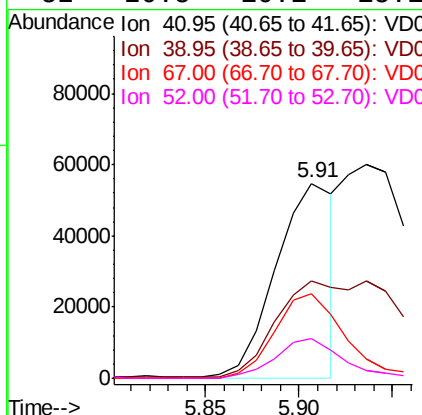
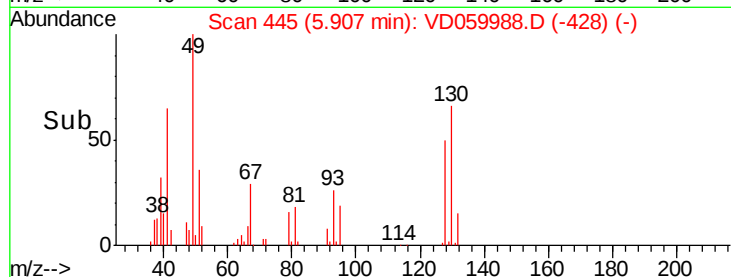
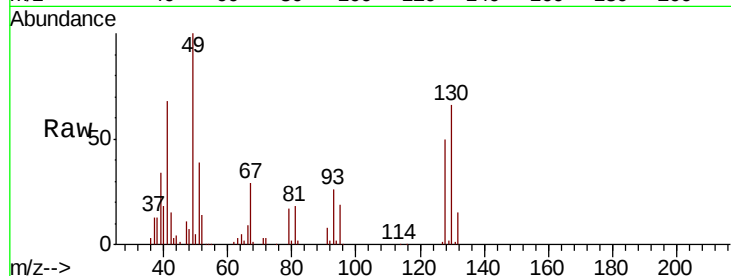
67 43.2 22.2 33.2#

52 20.5 10.1 15.1#

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#42

1,2-Dichloroethane

Concen: 19.12 ug/l

RT: 6.88 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059988.D

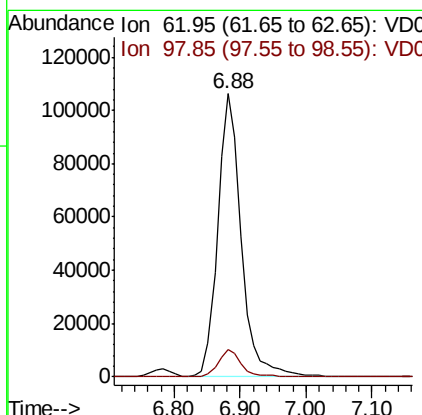
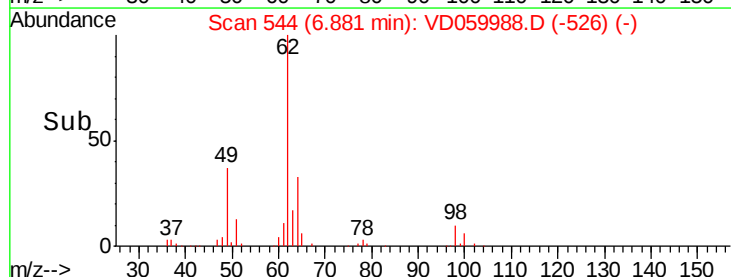
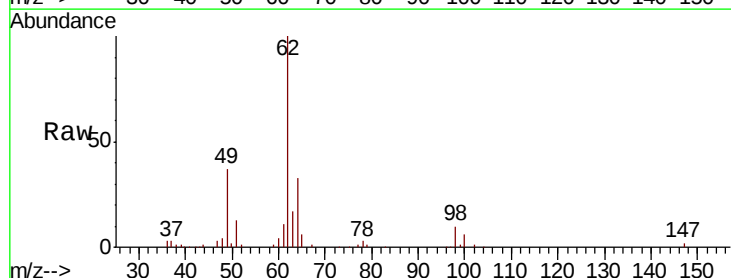
Acq: 10 Sep 2018 12:58

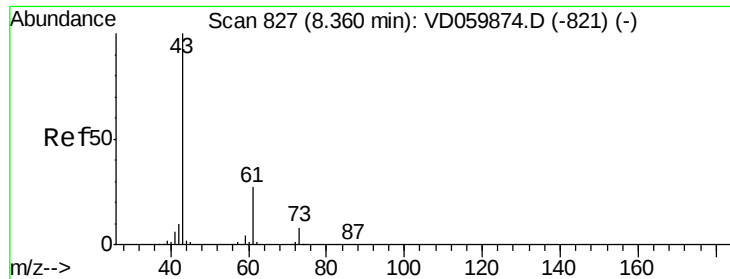
Tgt Ion: 62 Resp: 264263

Ion Ratio Lower Upper

62 100

98 9.8 0.0 18.4





#43

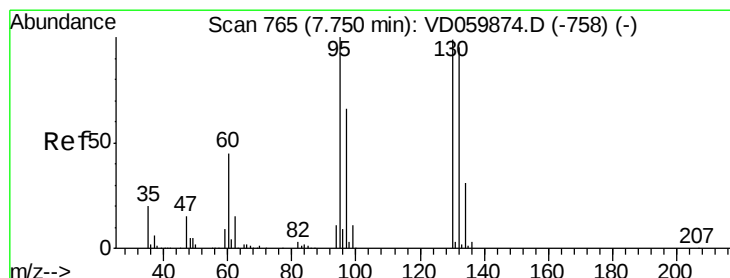
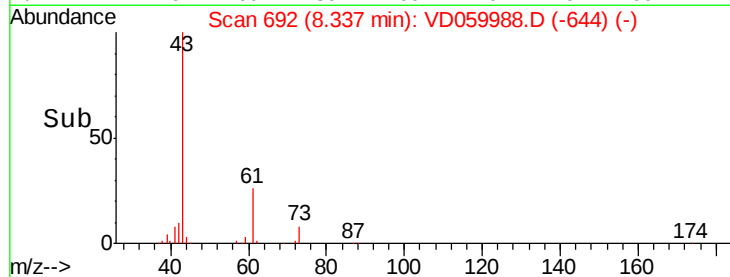
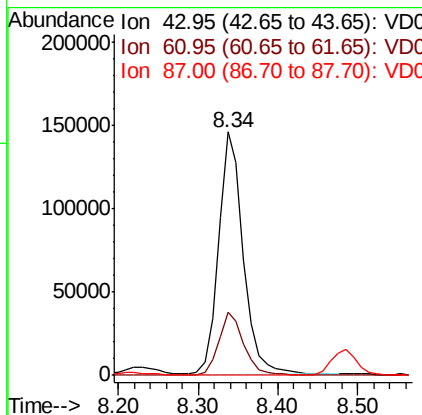
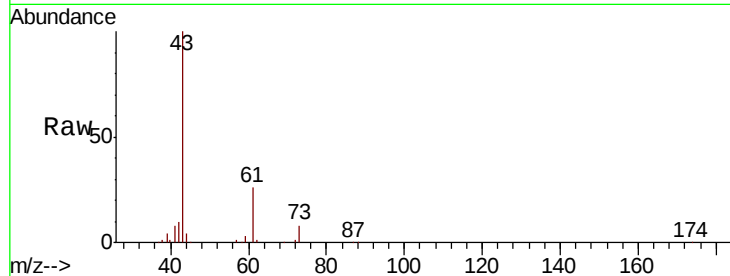
Isopropyl Acetate
 Concen: 18.85 ug/l
 RT: 8.34 min Scan# 692
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.4	32.2
87	0.3	0.2	0.4

Manual Integrations
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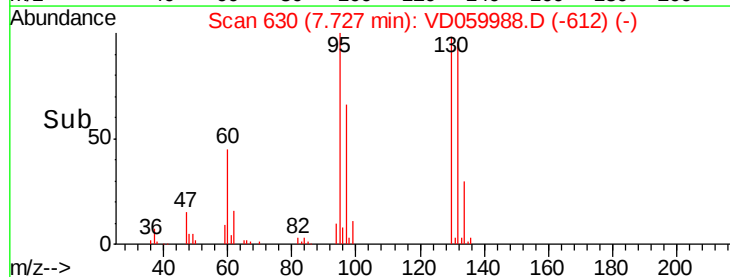
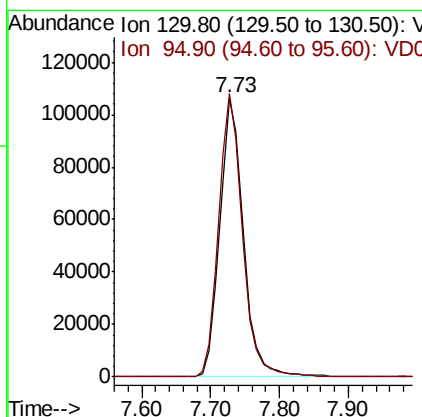
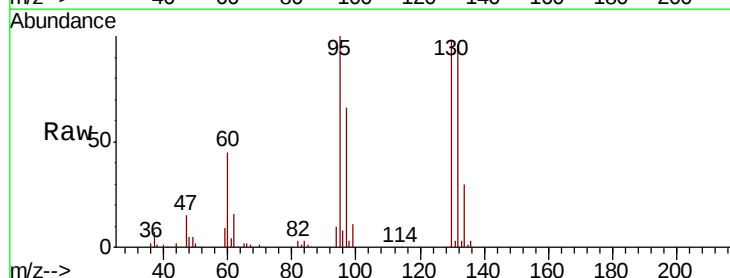
apatel
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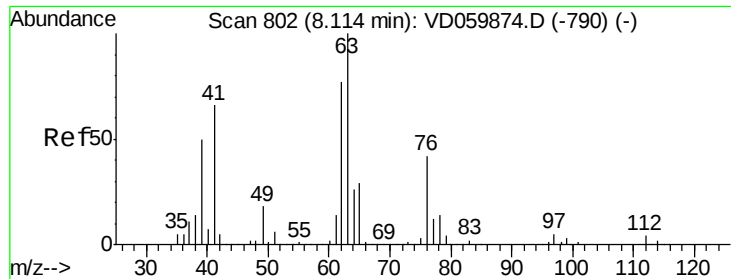


#44

Trichloroethene
 Concen: 19.85 ug/l
 RT: 7.73 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	202.0





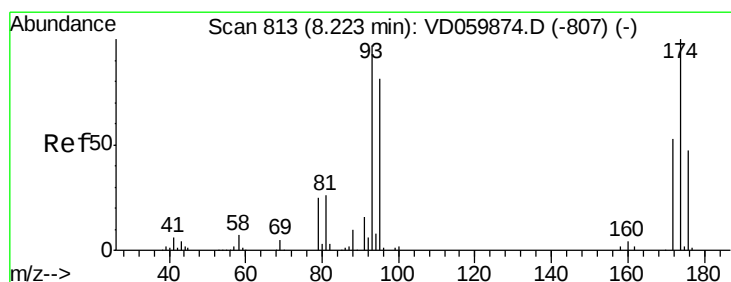
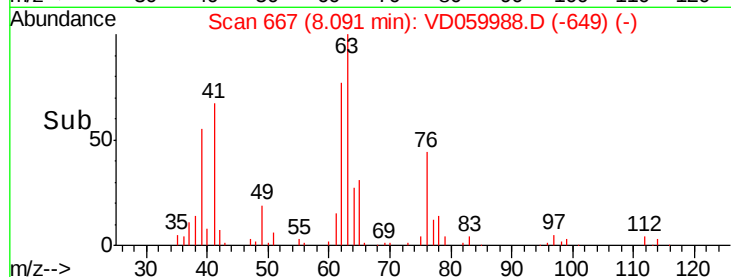
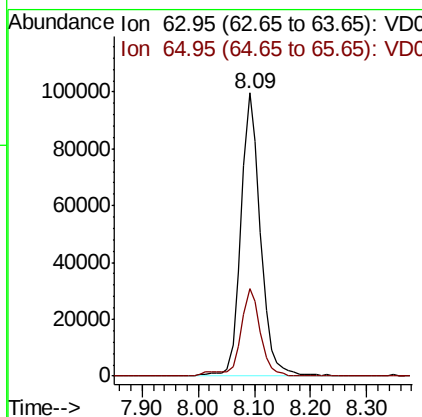
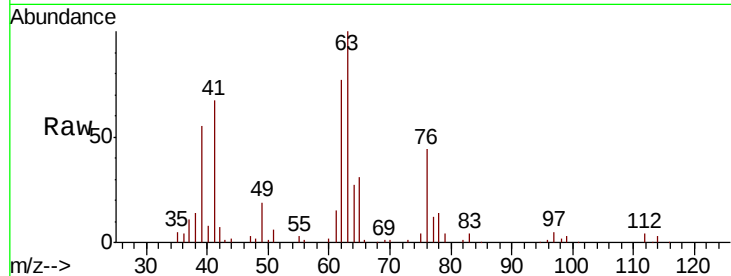
#45
 1,2-Dichloropropane
 Concen: 20.03 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 63 Resp: 241069
 Ion Ratio Lower Upper
 63 100
 65 31.0 23.5 35.3

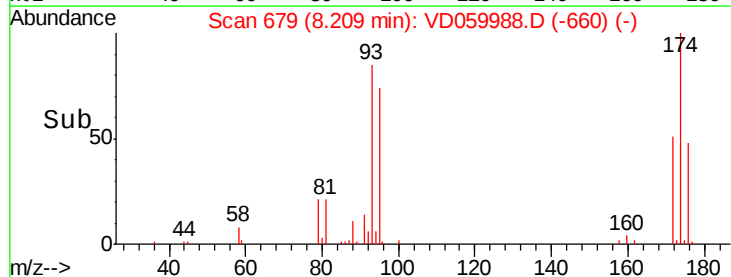
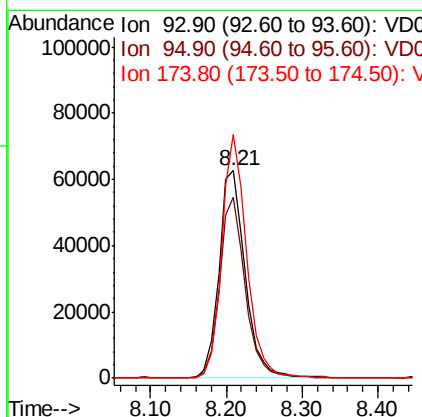
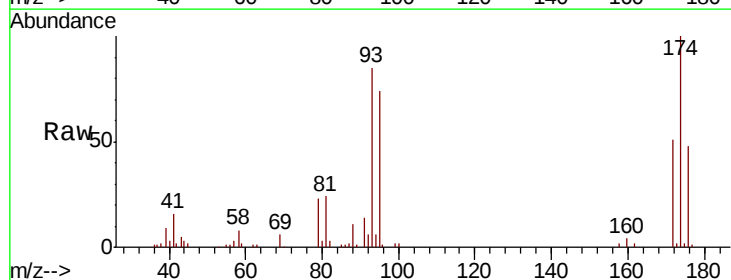
Manual Integrations
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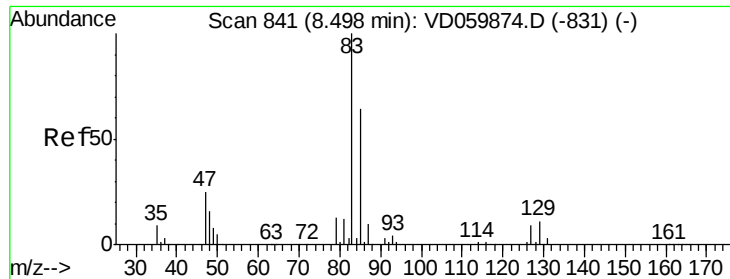
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#46
 Dibromomethane
 Concen: 19.50 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion: 93 Resp: 150921
 Ion Ratio Lower Upper
 93 100
 95 87.3 66.6 100.0
 174 117.4 82.4 123.6





#47

Bromodichloromethane

Concen: 19.64 ug/l

RT: 8.49 min Scan# 707

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

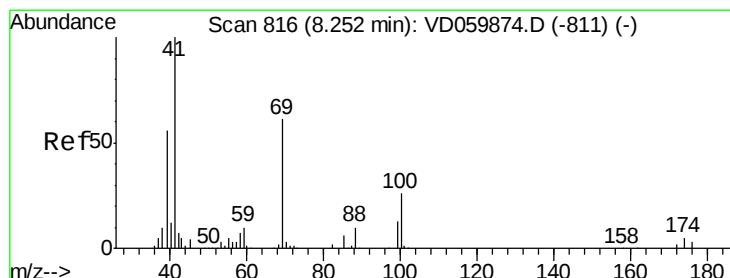
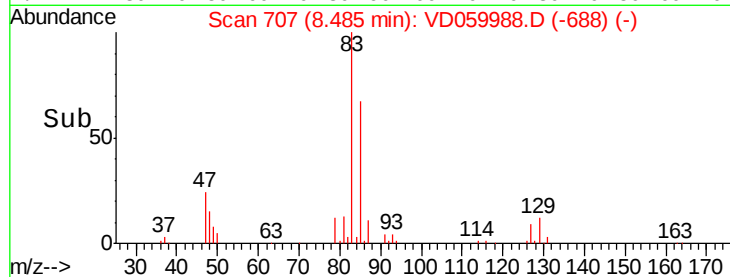
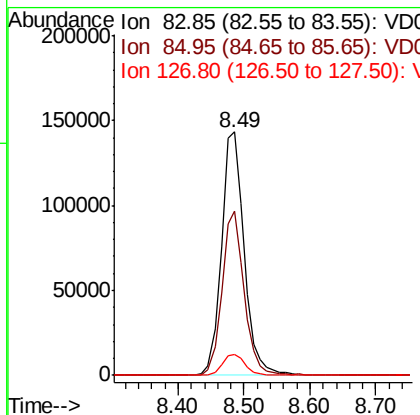
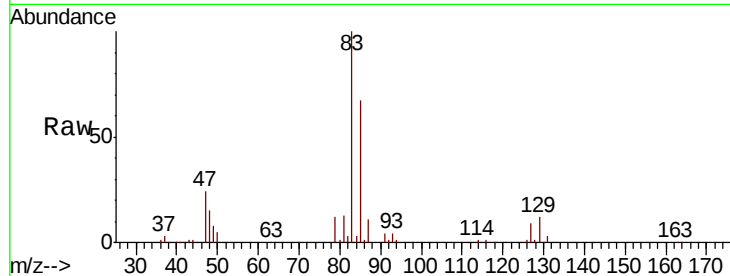
ClientSampleId :

VD0910SBS01

Tot Ion:	83	Resp:	344072
Ion Ratio	Lower	Upper	
83	100		
85	67.3	51.3	76.9
127	8.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.66 ug/l

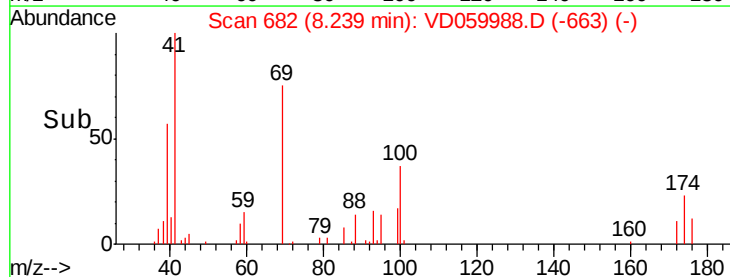
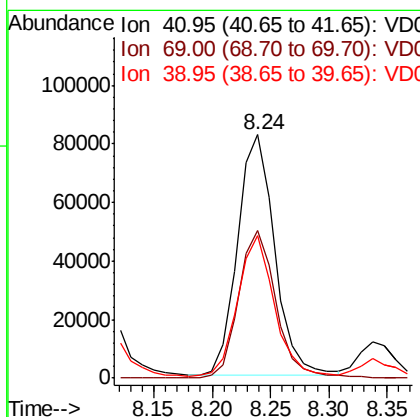
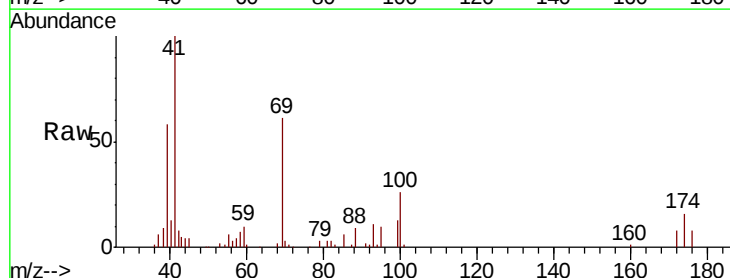
RT: 8.24 min Scan# 682

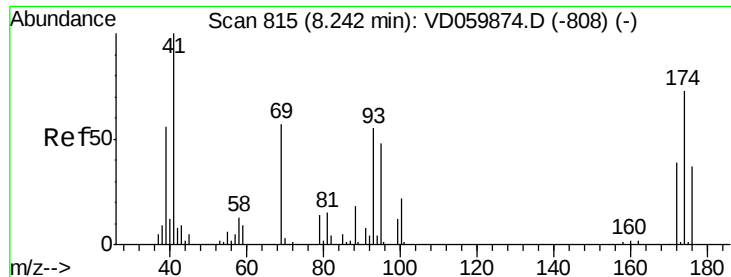
Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion:	41	Resp:	182352
Ion Ratio	Lower	Upper	
41	100		
69	60.9	48.0	72.0
39	58.4	45.4	68.0





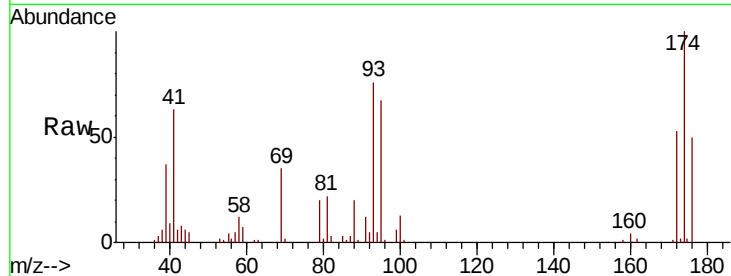
#49
 1,4-Dioxane
 Concen: 409.02 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

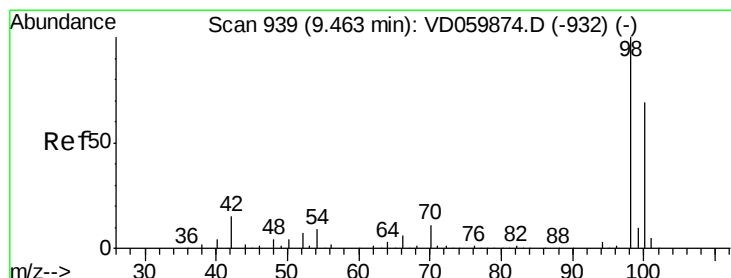
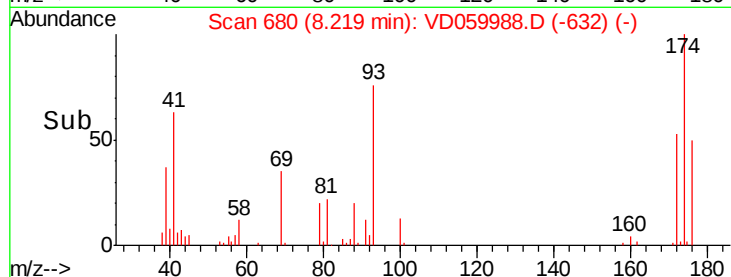
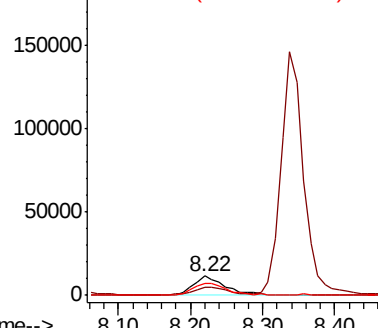
Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.6	45.0	67.6#	
58	59.2	55.8	83.8	

Manual Integrations
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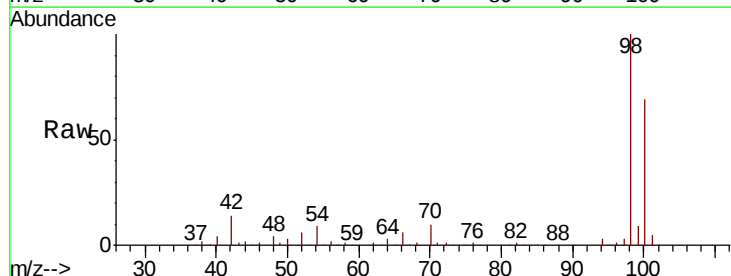


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

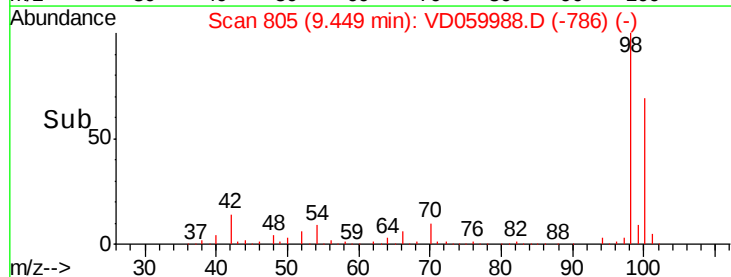
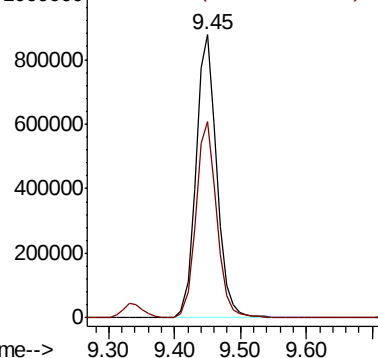


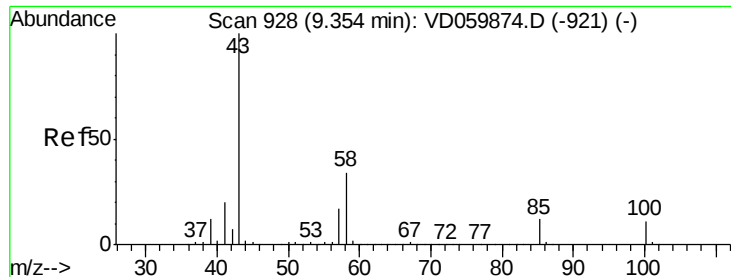
#50
 Toluene-d8
 Concen: 409.02 ug/l
 RT: 9.45 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	69.2	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: 83.69 ug/l

RT: 9.33 min Scan# 793

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleID :

VD0910SBS01

Tot Ion: 43 Resp: 1045994

Ion Ratio Lower Upper

43 100

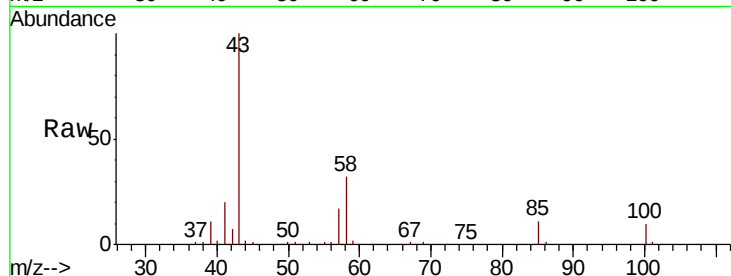
58 32.0 27.0 40.4

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VD059988.D (-775) (-)

Ion 57.95 (57.65 to 58.65): VD059988.D (-775) (-)

9.33

500000

400000

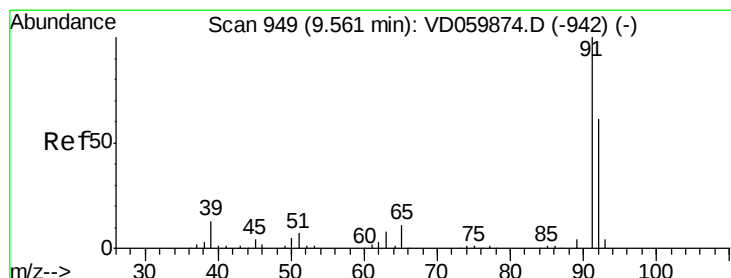
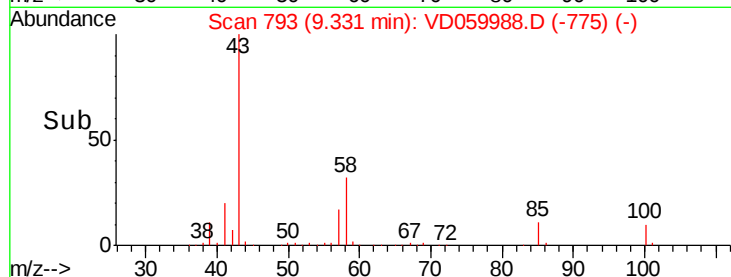
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.20 ug/l

RT: 9.54 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD059988.D

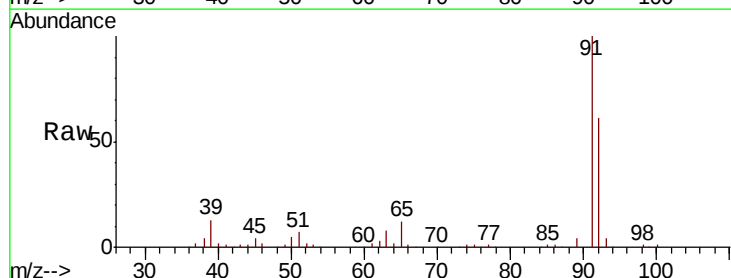
Acq: 10 Sep 2018 12:58

Tgt Ion: 92 Resp: 557675

Ion Ratio Lower Upper

92 100

91 163.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VD059988.D (-796) (-)

Ion 91.00 (90.70 to 91.70): VD059988.D (-796) (-)

9.54

500000

400000

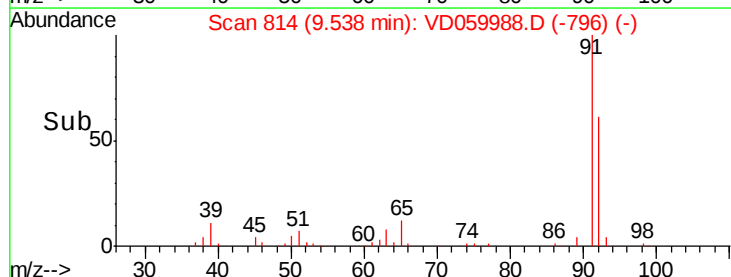
300000

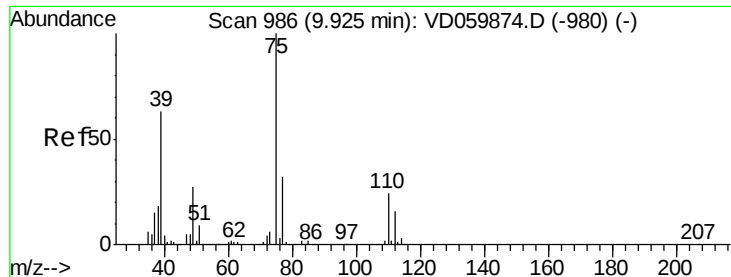
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.78 ug/l

RT: 9.91 min Scan# 852

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 75 Resp: 320531

Ion Ratio Lower Upper

75 100

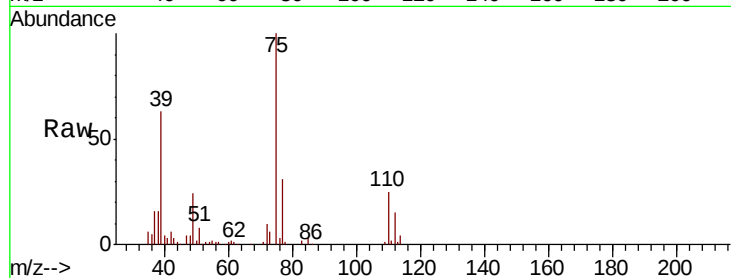
77 31.3 25.4 38.2

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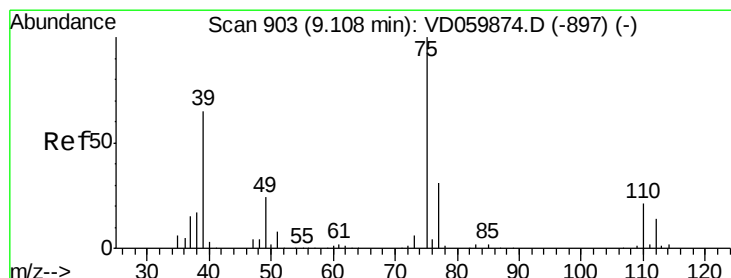
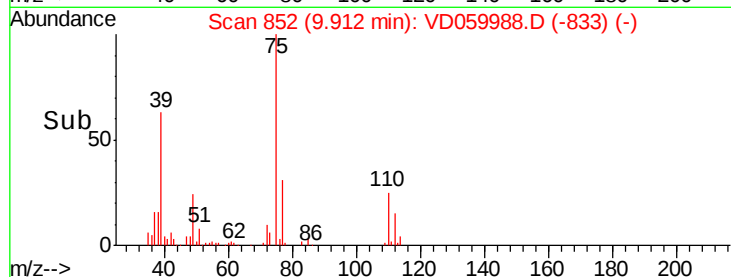
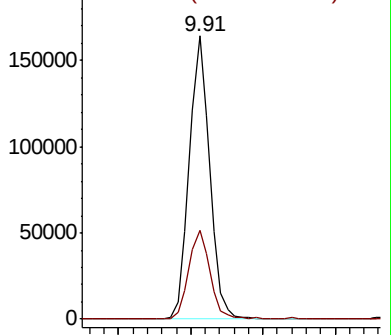
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.99 ug/l

RT: 9.10 min Scan# 769

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

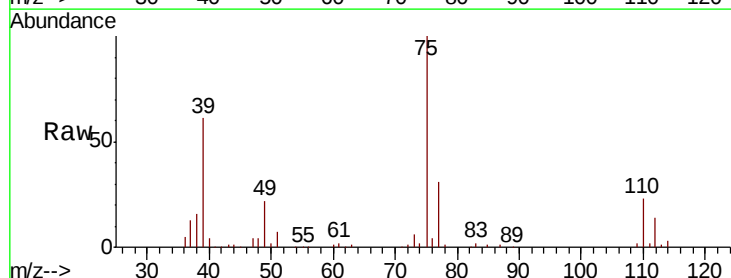
Tgt Ion: 75 Resp: 375535

Ion Ratio Lower Upper

75 100

77 30.5 24.8 37.2

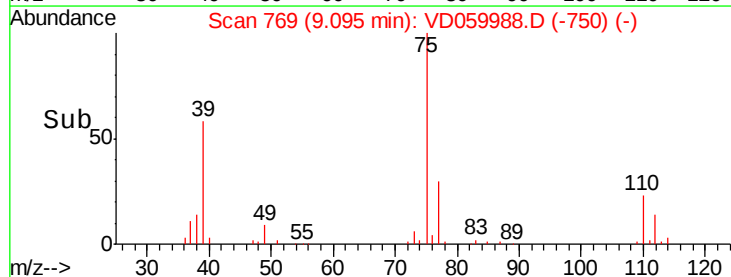
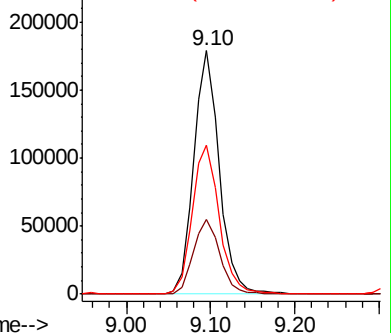
39 61.3 52.1 78.1

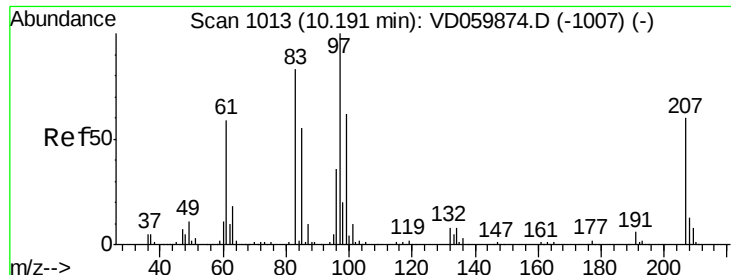


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





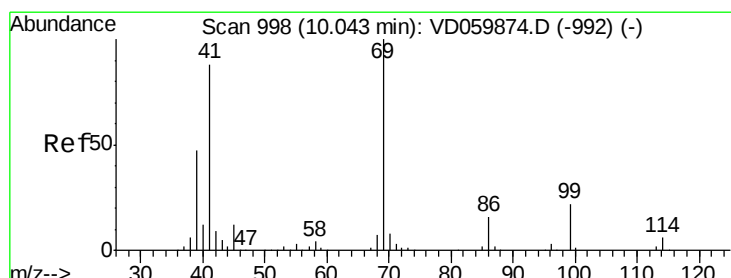
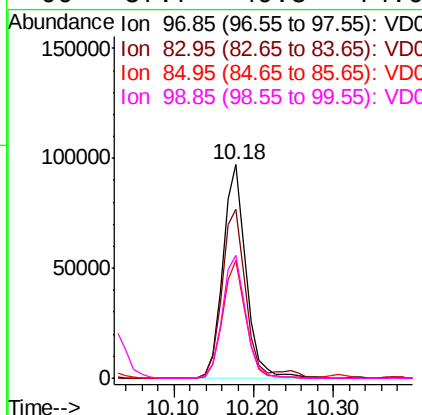
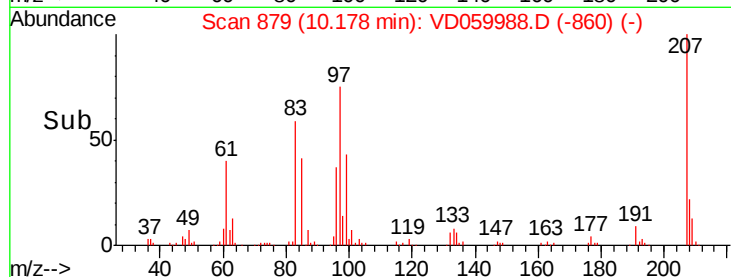
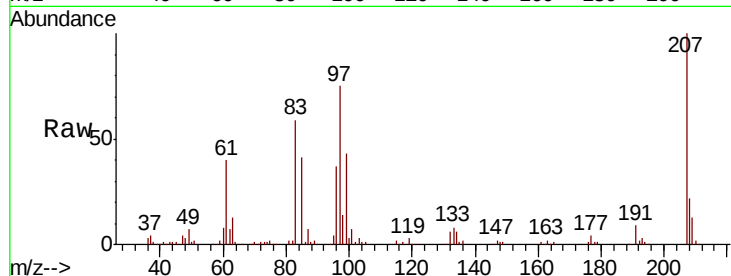
#55
 1,1,2-Trichloroethane
 Concen: 19.75 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		199336		
83	79.2	66.7	100.1		
85	55.0	43.8	65.6		
99	57.7	49.8	74.6		

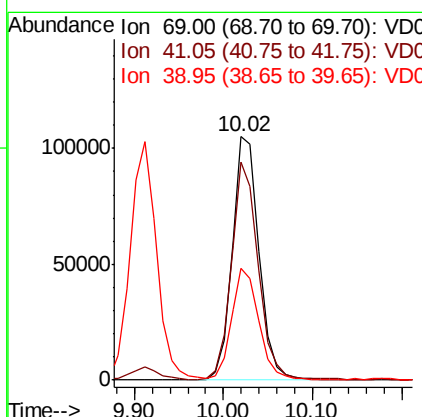
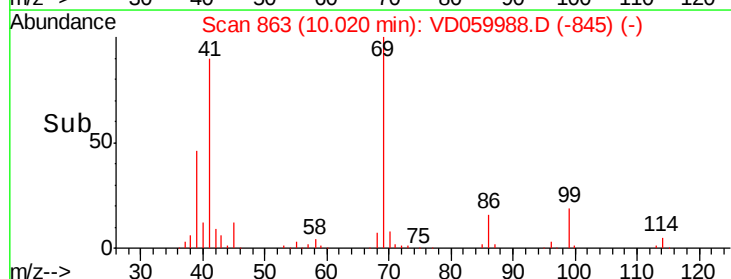
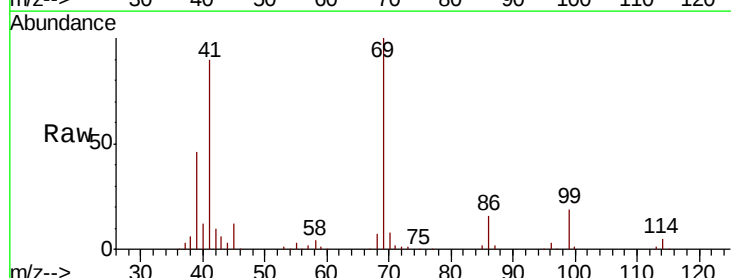
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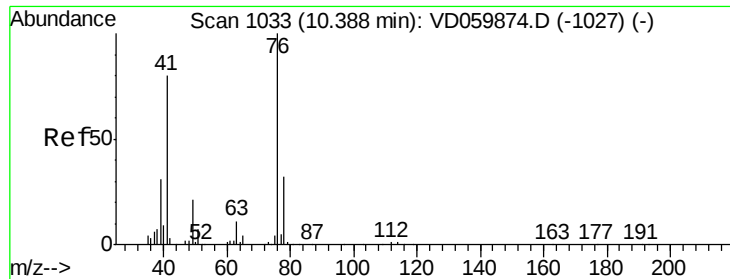
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#56
 Ethyl methacrylate
 Concen: 18.98 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. -0.02 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		221050		
41	89.5	71.0	106.4		
39	46.0	38.5	57.7		





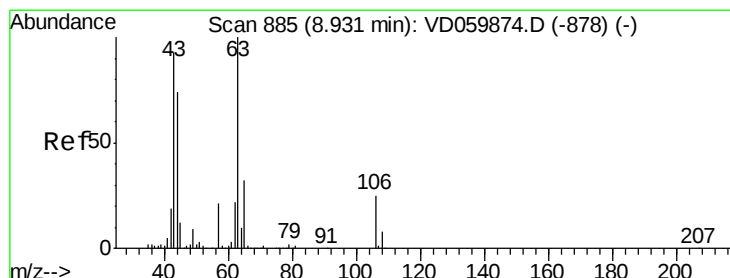
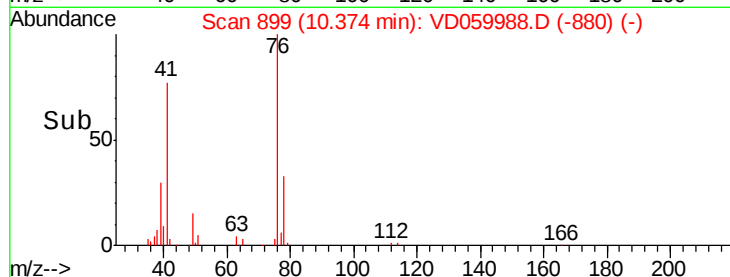
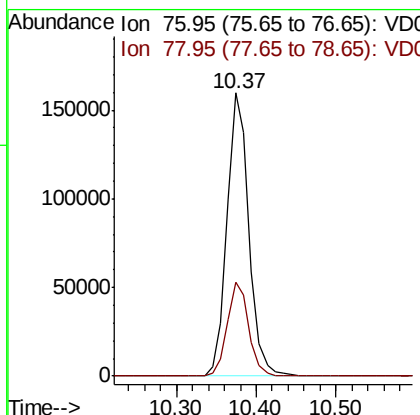
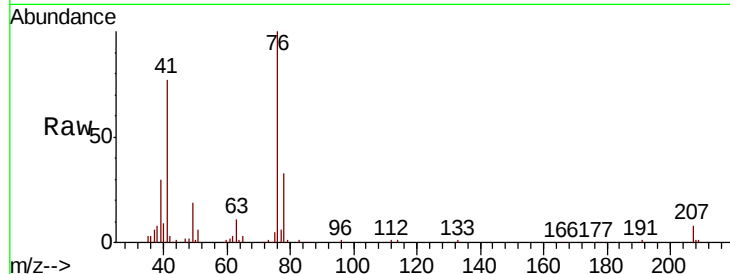
#57
 1,3-Dichloropropane
 Concen: 21.02 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

Tot Ion: 76 Resp: 307026
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.6

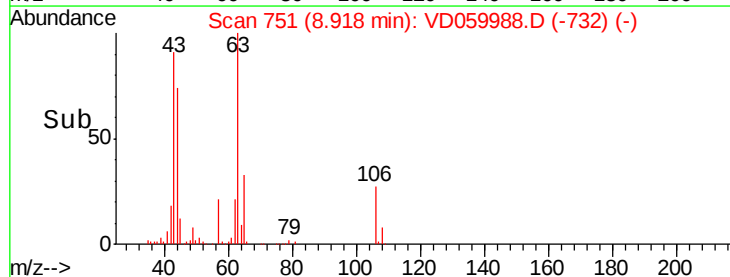
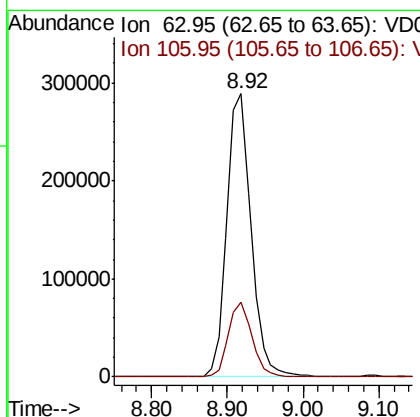
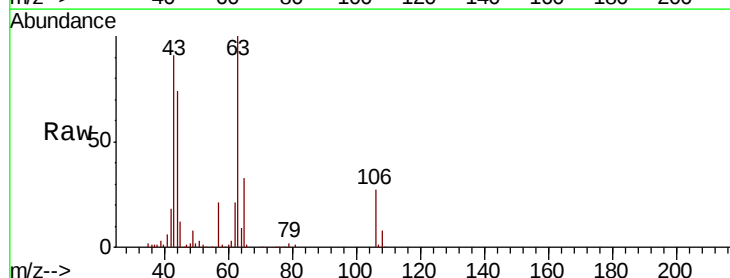
Manual Integrations
 APPROVED

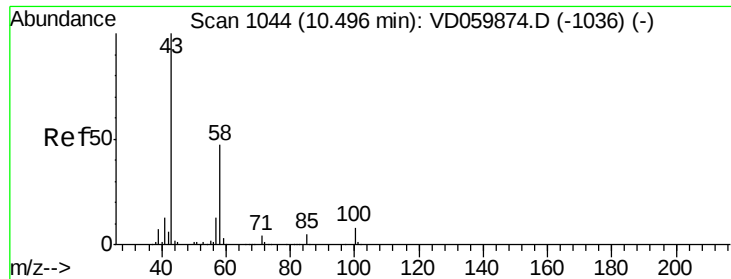
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#58
 2-Chloroethyl Vinyl ether
 Concen: 114.11 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion: 63 Resp: 637584
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.1 30.1





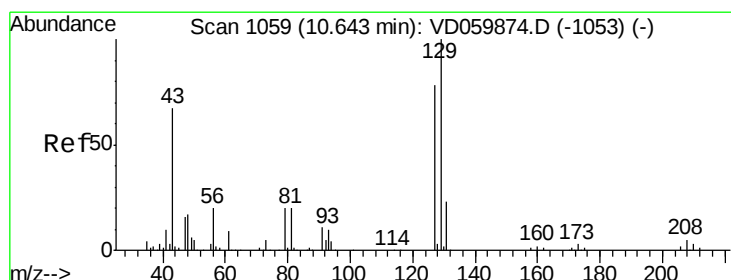
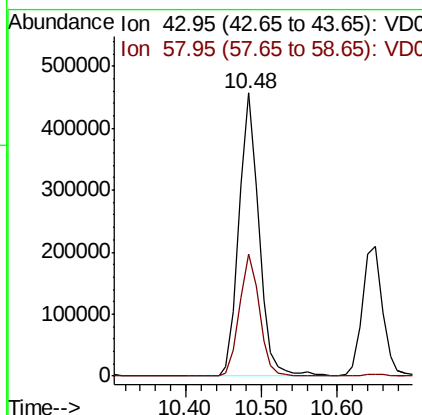
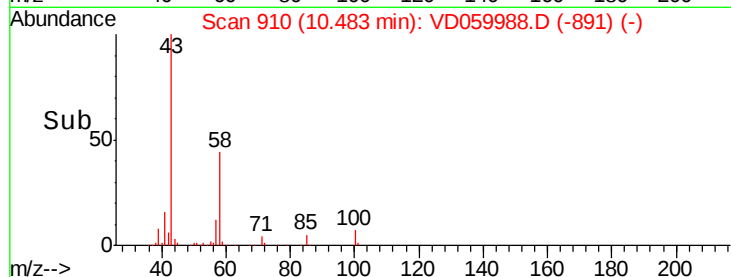
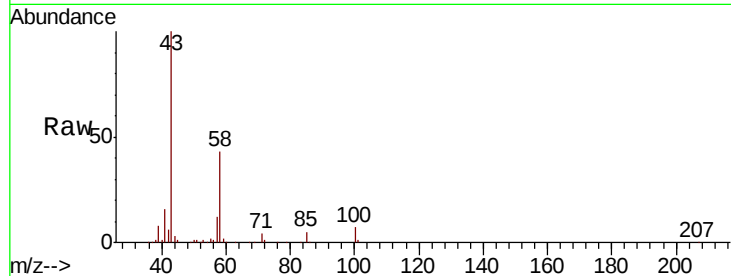
#59
2-Hexanone
Concen: 89.62 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion: 43 Resp: 826106
Ion Ratio Lower Upper
43 100
58 43.3 23.3 69.8

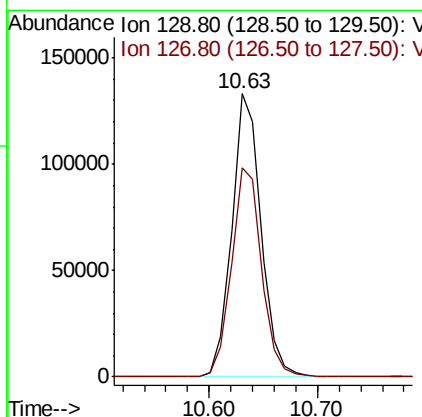
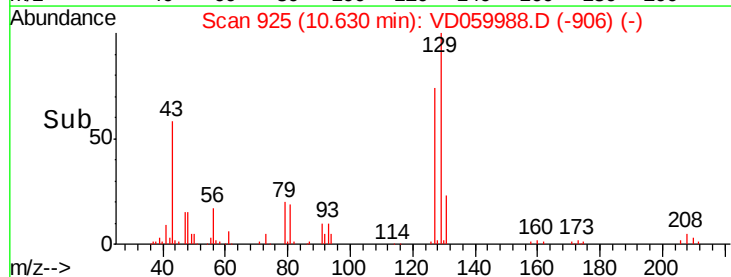
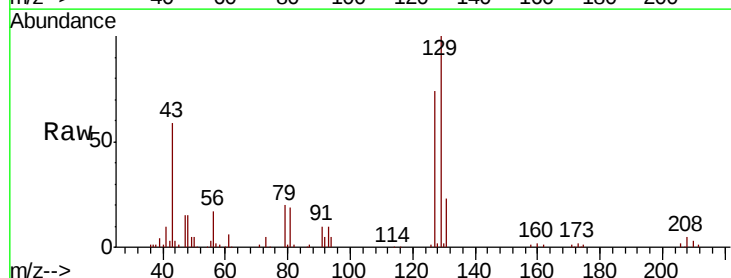
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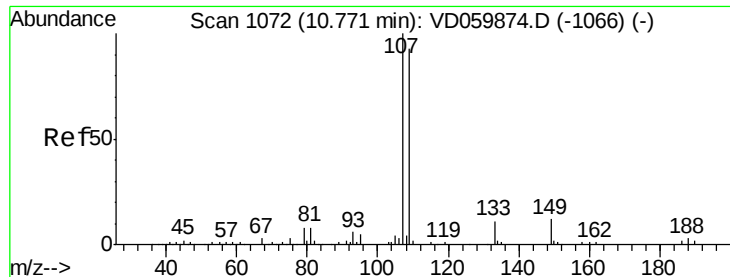
apatel
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#60
Dibromochloromethane
Concen: 19.66 ug/l
RT: 10.63 min Scan# 925
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 129 Resp: 249378
Ion Ratio Lower Upper
129 100
127 74.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.51 ug/l

RT: 10.75 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:107 Resp: 199142

Ion Ratio Lower Upper

107 100

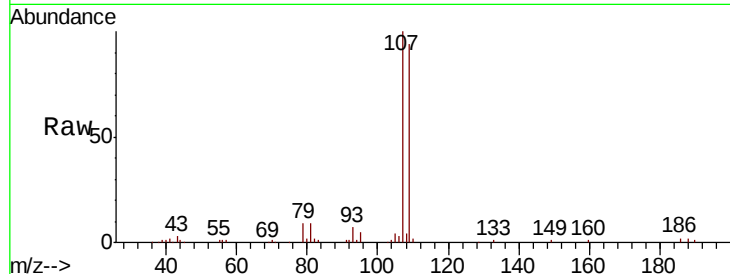
109 94.4 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

120000

100000

80000

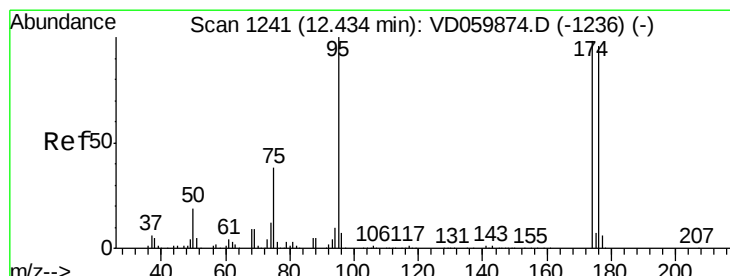
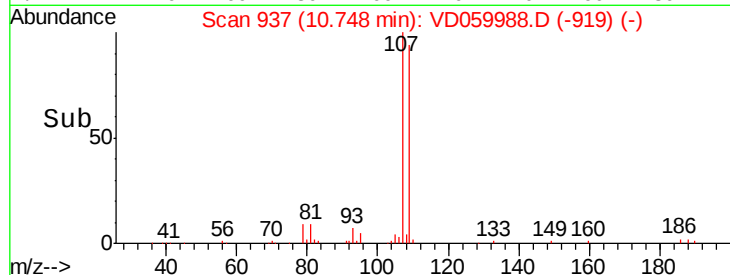
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 19.51 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

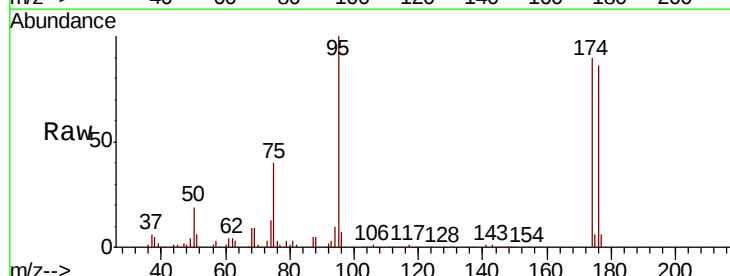
Tgt Ion: 95 Resp: 788463

Ion Ratio Lower Upper

95 100

174 89.9 0.0 195.6

176 85.6 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

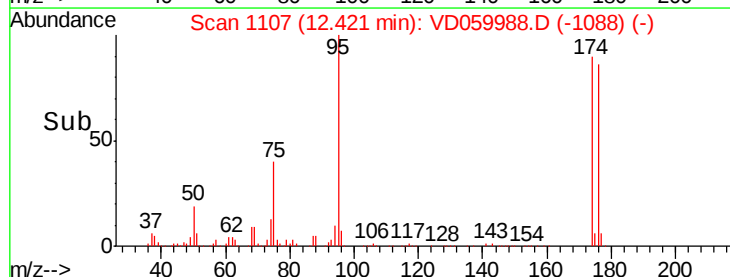
600000

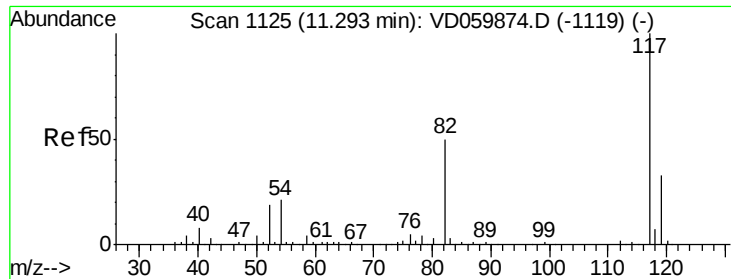
400000

200000

0

Time-->





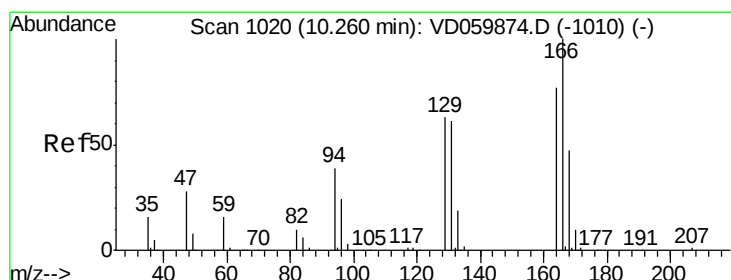
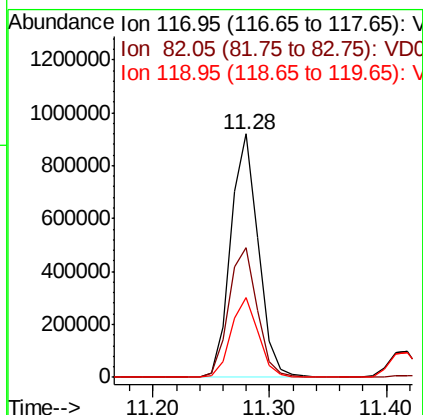
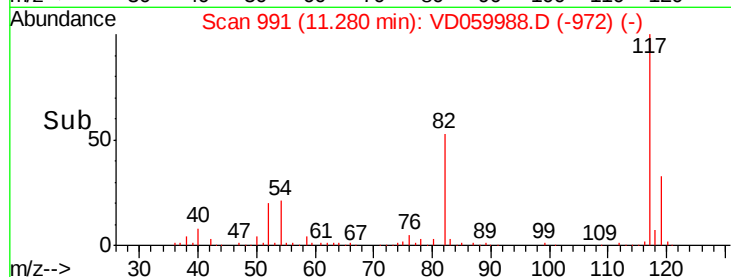
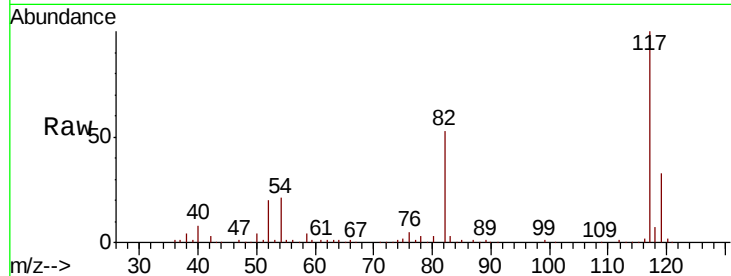
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion:117 Resp: 1506150
Ion Ratio Lower Upper
117 100
82 53.2 40.1 60.1
119 32.6 26.7 40.1

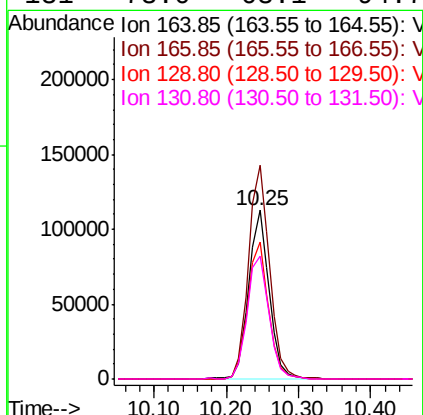
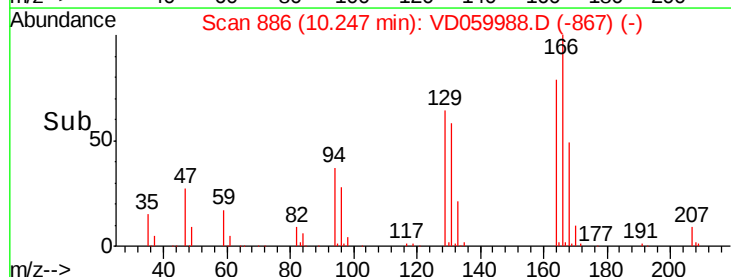
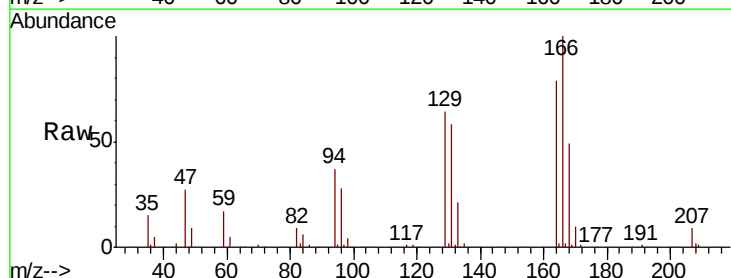
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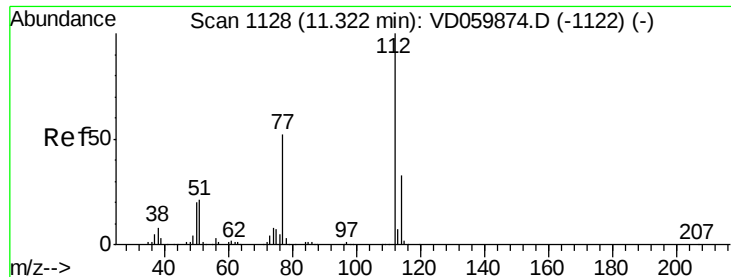
apatel
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#64
Tetrachloroethene
Concen: 19.35 ug/l
RT: 10.25 min Scan# 886
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion:164 Resp: 225388
Ion Ratio Lower Upper
164 100
166 126.8 103.4 155.2
129 81.4 65.2 97.8
131 73.0 63.1 94.7





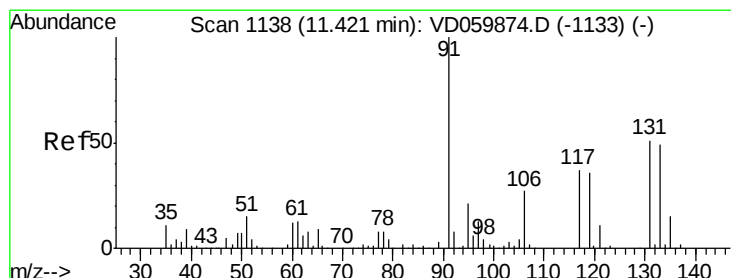
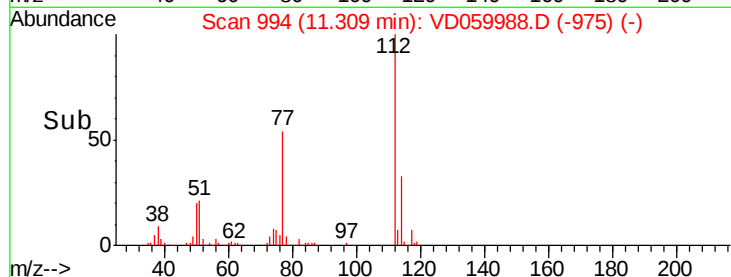
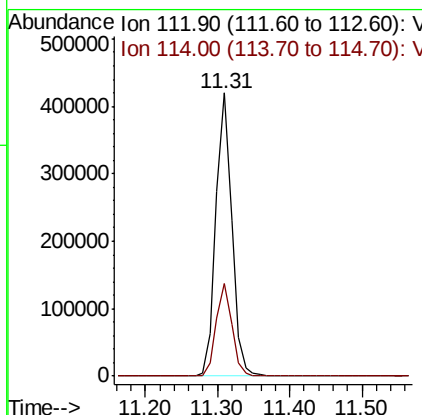
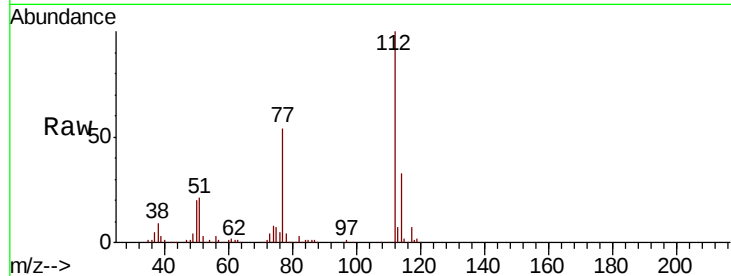
#65
Chlorobenzene
Concen: 21.20 ug/l
RT: 11.31 min Scan# 994
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.4	39.6

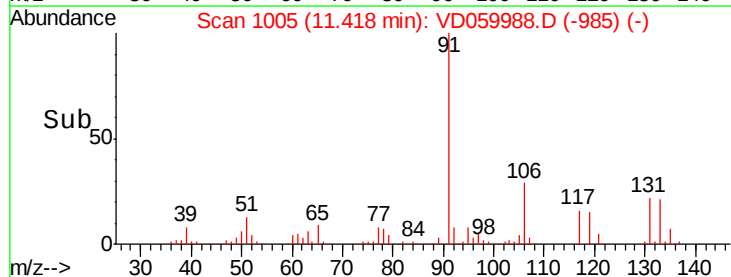
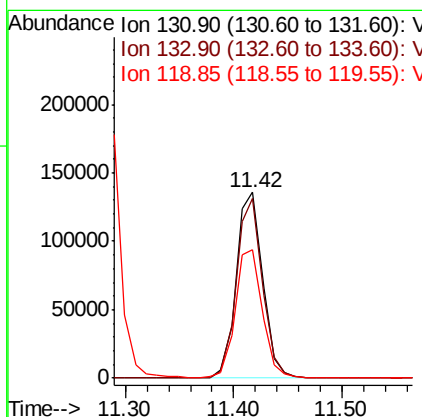
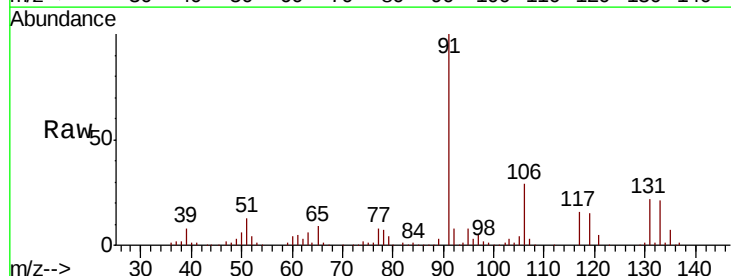
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.10 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.3	144.8
119	69.1	35.4	106.3





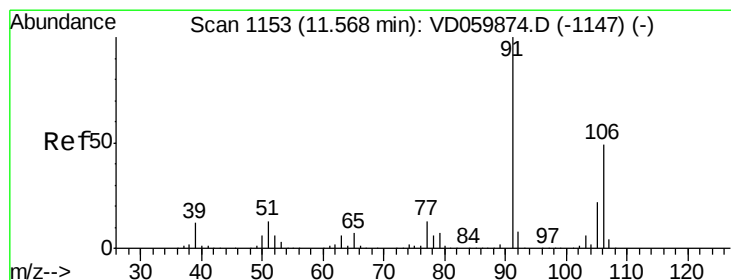
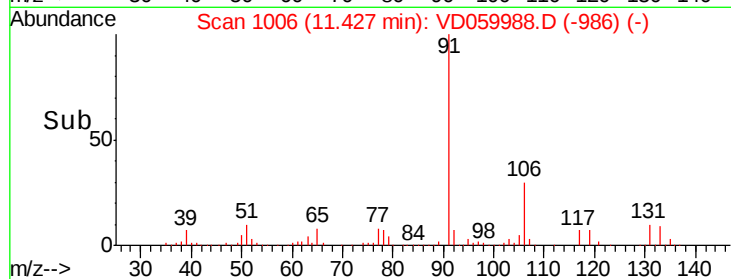
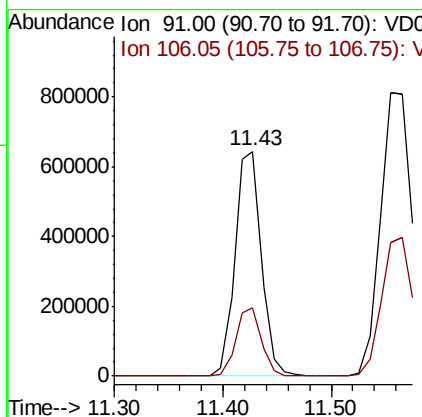
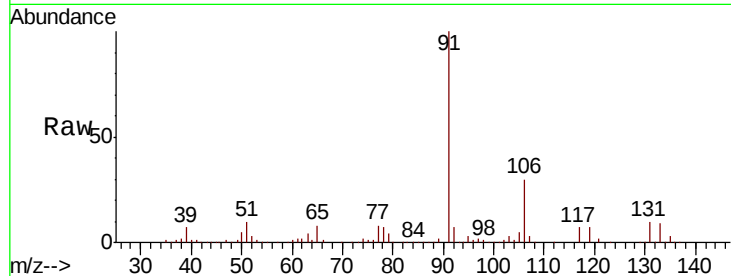
#67
Ethyl Benzene
Concen: 21.60 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleID :
VD0910SBS01

Tot Ion: 91 Resp: 1087695
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8

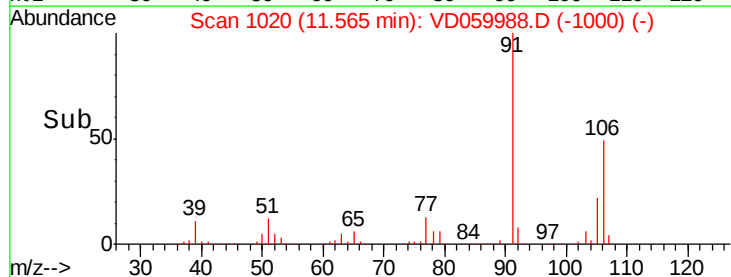
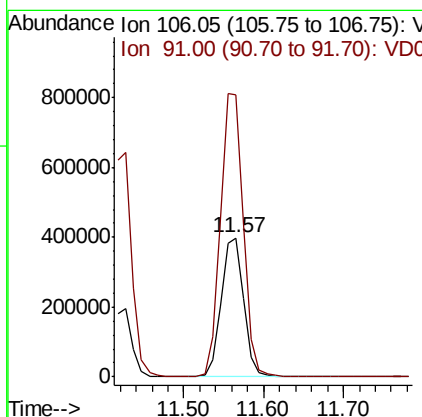
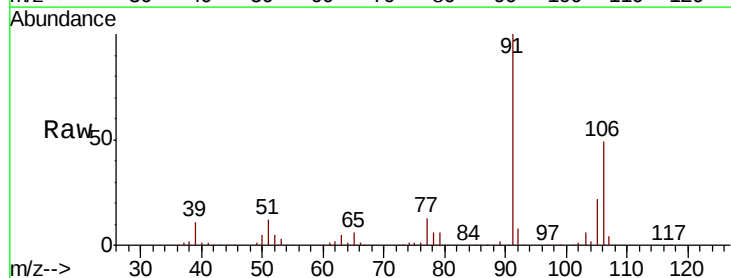
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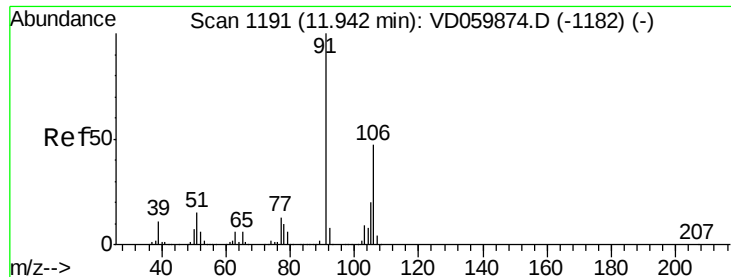
apatel
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#68
m/p-Xylenes
Concen: 43.15 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion: 106 Resp: 791105
Ion Ratio Lower Upper
106 100
91 202.7 162.0 243.0





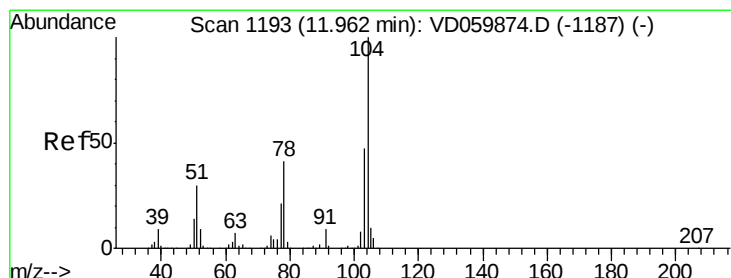
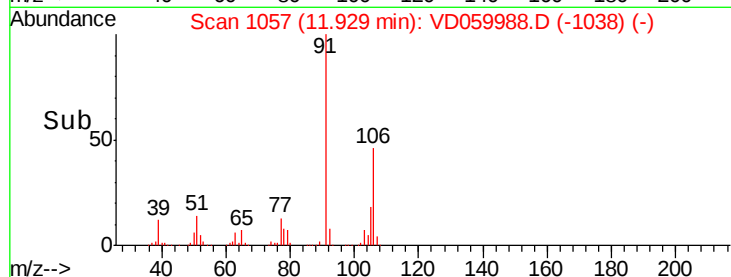
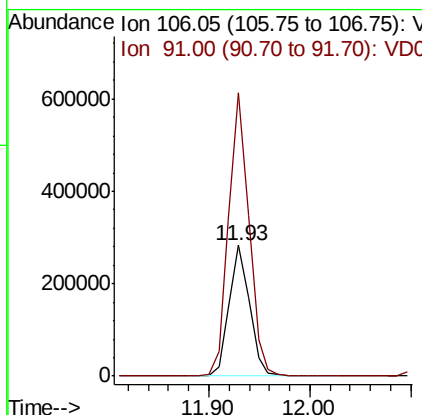
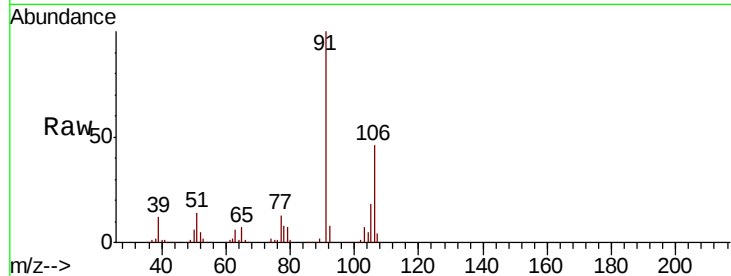
#69
o-Xylene
Concen: 22.15 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.2	107.3	322.0

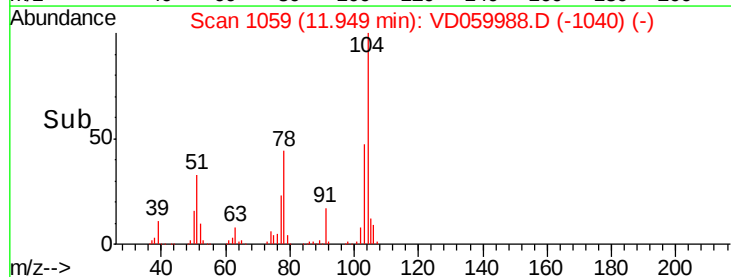
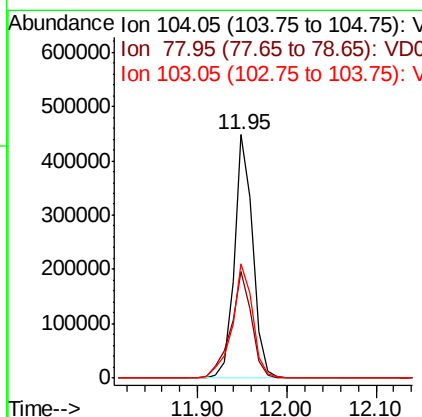
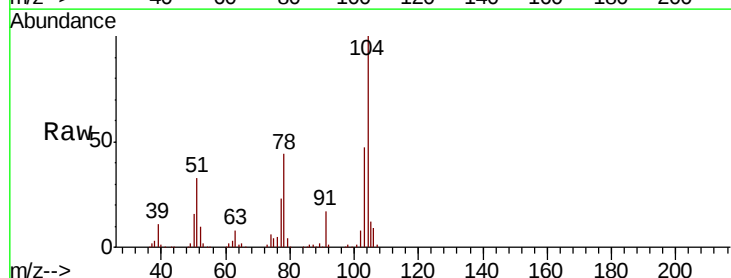
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#70
Styrene
Concen: 21.03 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.8	32.6	49.0
103	47.1	37.7	56.5





#71

Bromoform

Concen: 18.69 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

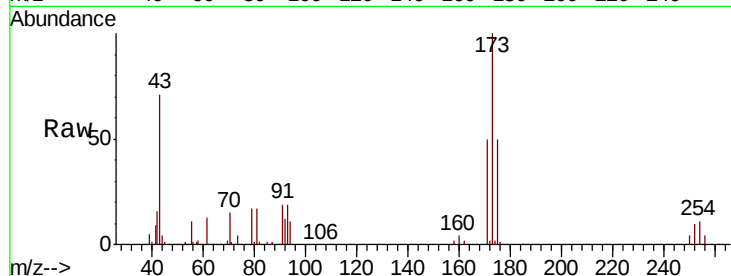
ClientSampleId :

VD0910SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	73.0
254	11.0	7.0	10.6

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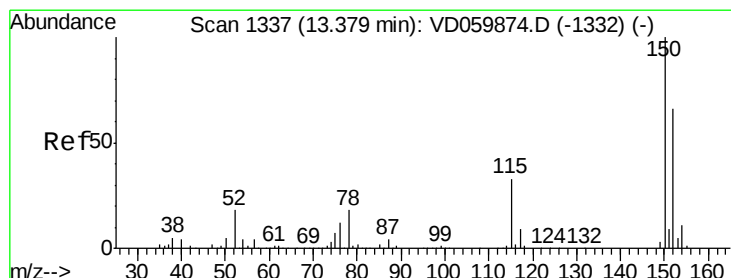
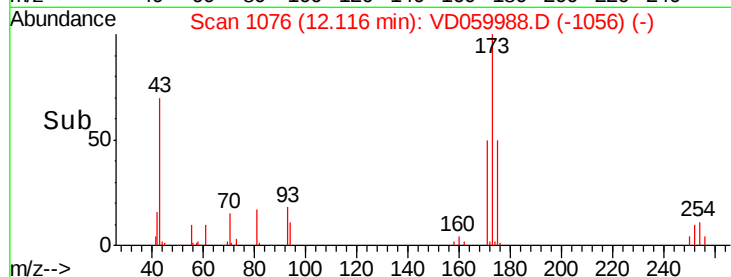
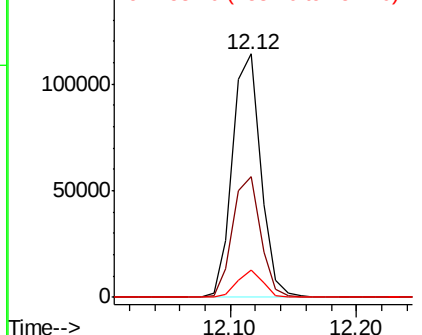


Abundance

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# 1203

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

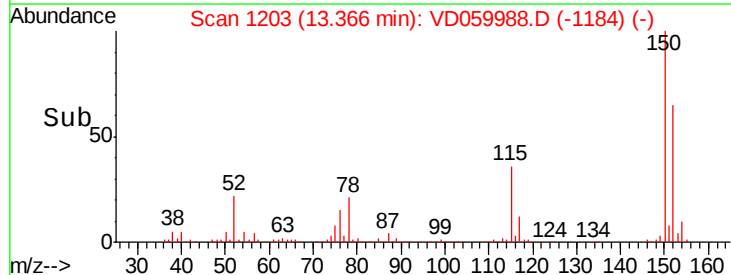
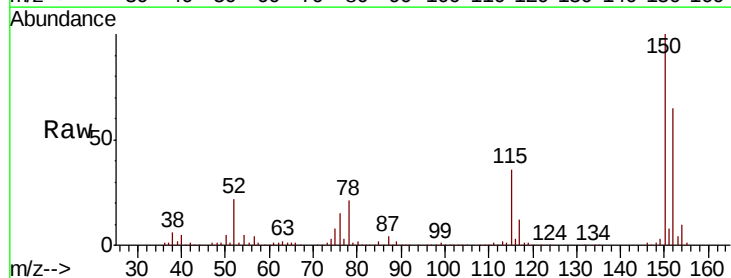
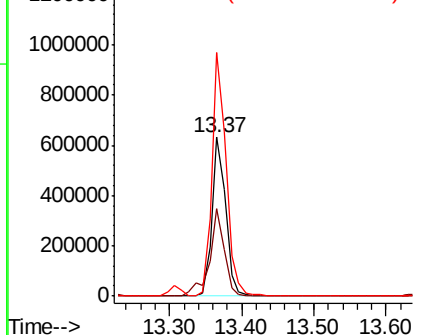
Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	25.7	77.0
150	153.5	0.0	310.2

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: 20.52 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:105 Resp: 1067677

Ion Ratio Lower Upper

105 100

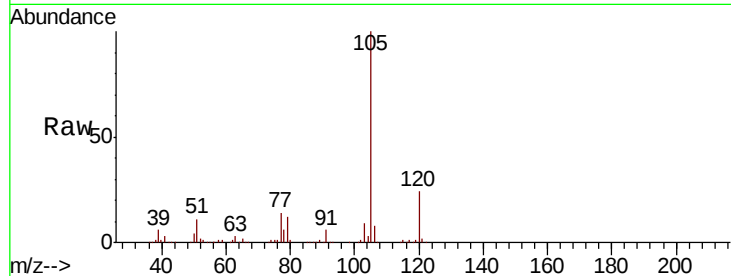
120 24.4 11.8 35.4

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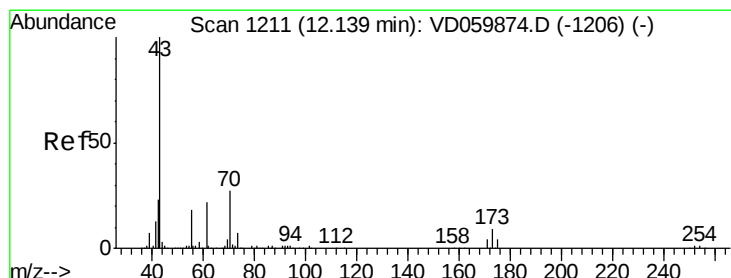
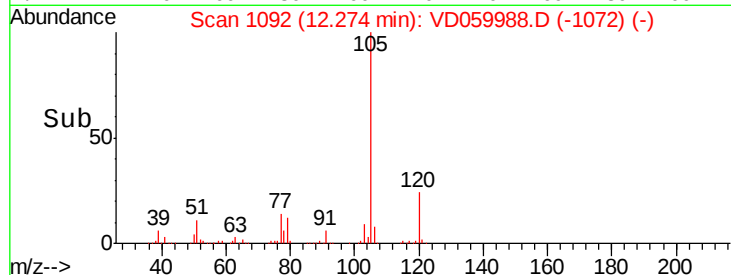
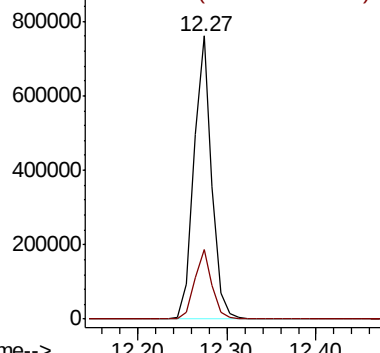
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.30 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion: 43 Resp: 417011

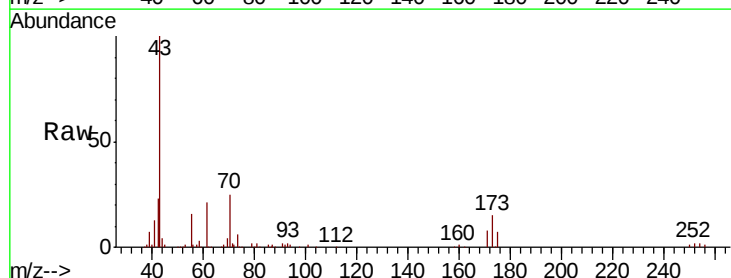
Ion Ratio Lower Upper

43 100

70 25.0 21.4 32.2

55 16.2 14.1 21.1

61 21.3 17.8 26.8

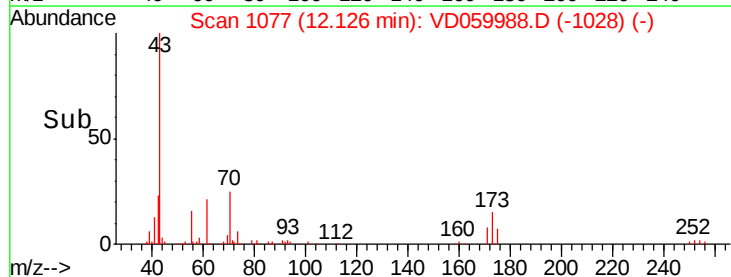
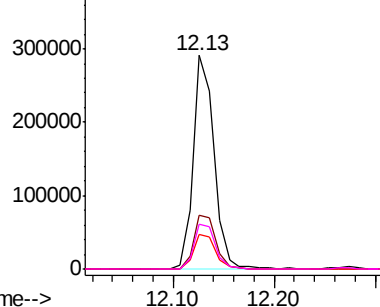


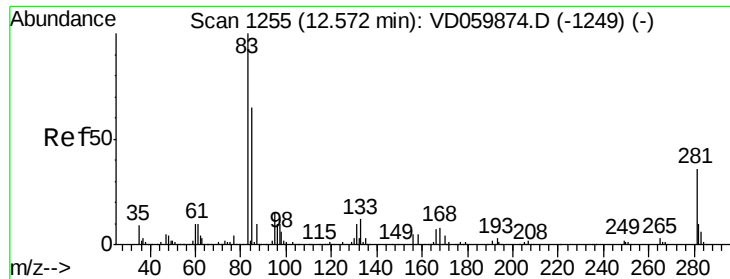
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.37 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

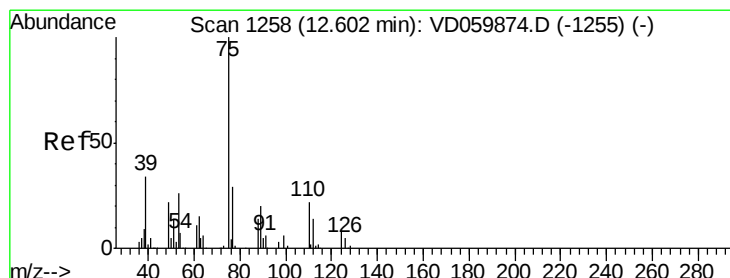
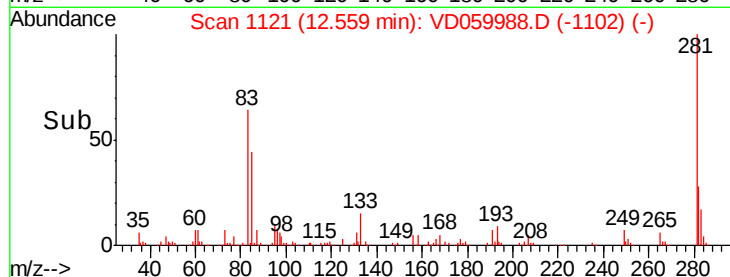
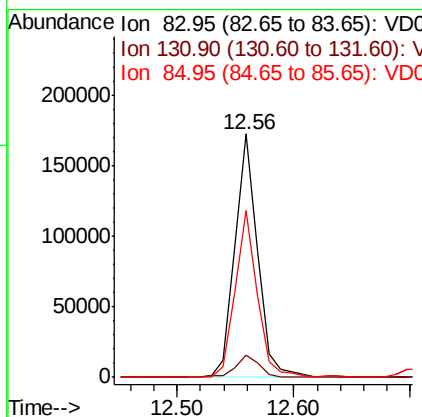
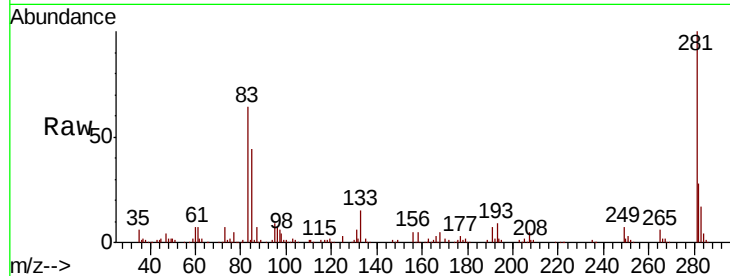
ClientSampleId :

VD0910SBS01

Tot Ion:	83	Resp:	233109
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.4
85	68.7	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 19.15 ug/l

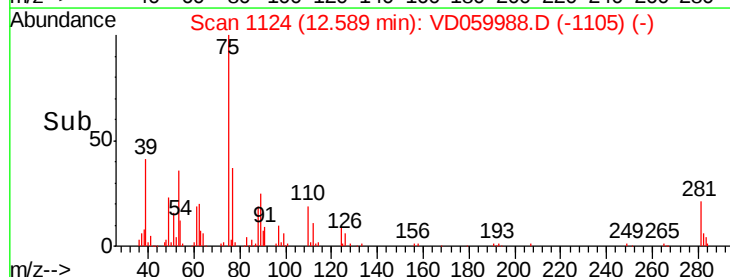
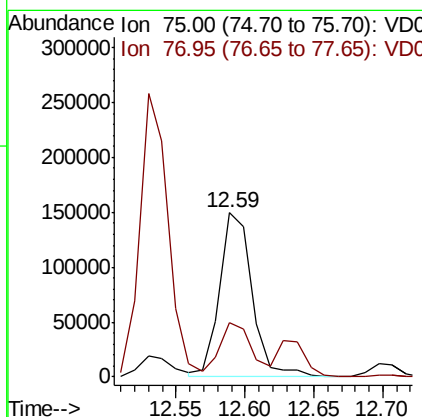
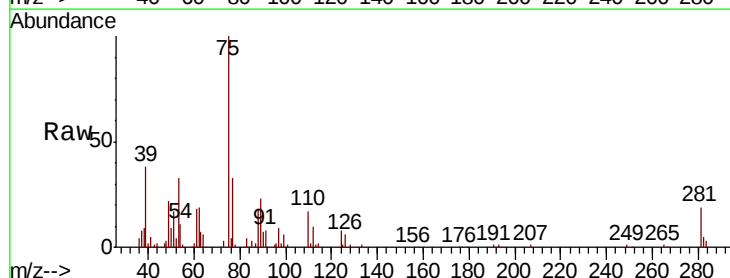
RT: 12.59 min Scan# 1124

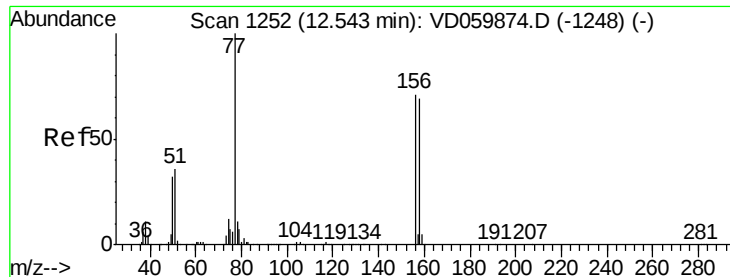
Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion:	75	Resp:	242618
Ion Ratio	Lower	Upper	
75	100		
77	33.1	16.4	49.2





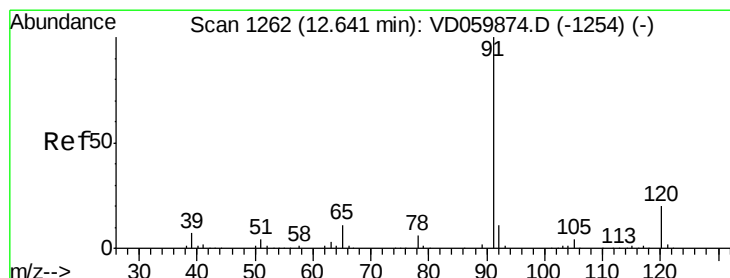
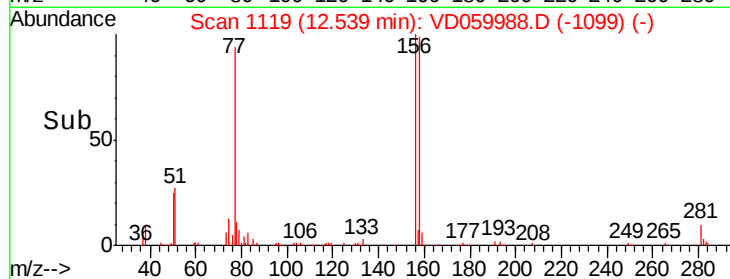
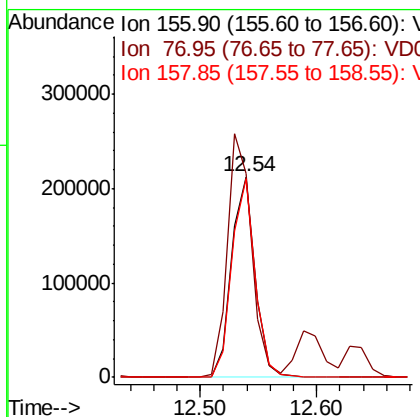
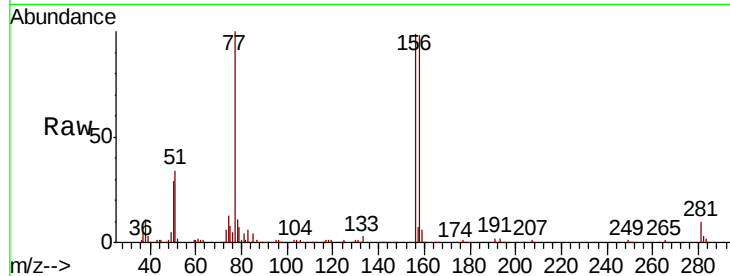
#77
Bromobenzene
Concen: 20.65 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	101.4	70.2	210.4
158	98.9	48.4	145.2

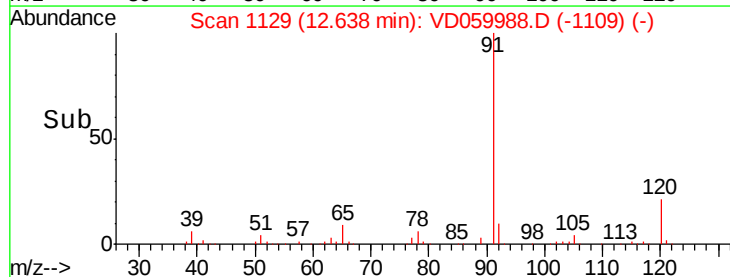
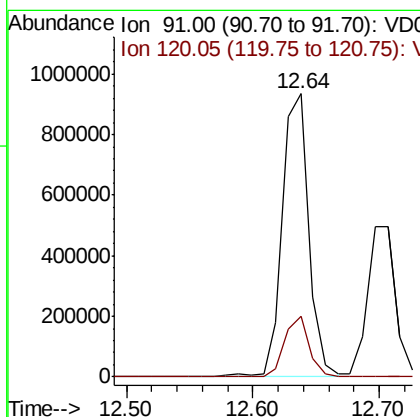
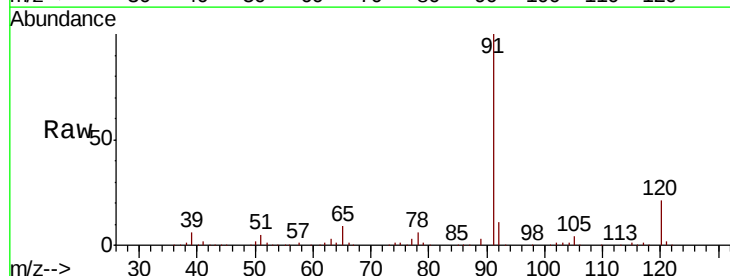
Manual Integrations
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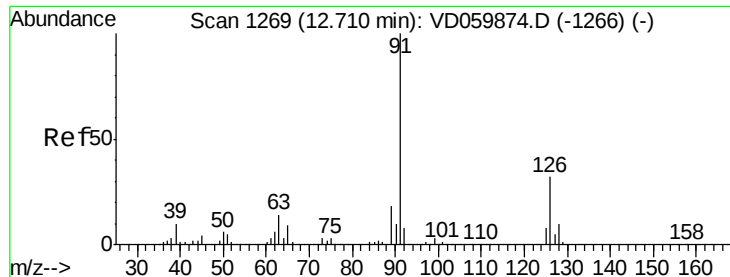
apatel
9/11/2018 12:25:24 PM



#78
n-propylbenzene
Concen: 20.71 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.1	30.3





#79

2-Chlorotoluene

Concen: 20.51 ug/l

RT: 12.70 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 91 Resp: 764112

Ion Ratio Lower Upper

91 100

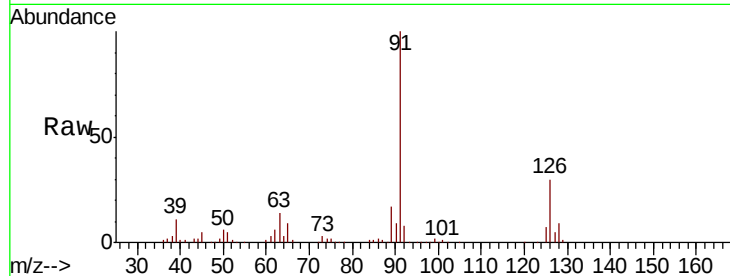
126 30.0 16.1 48.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

1000000

800000

600000

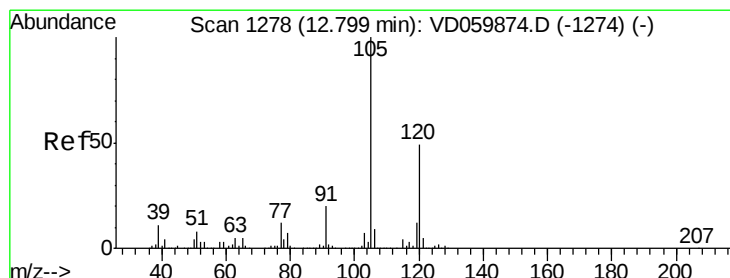
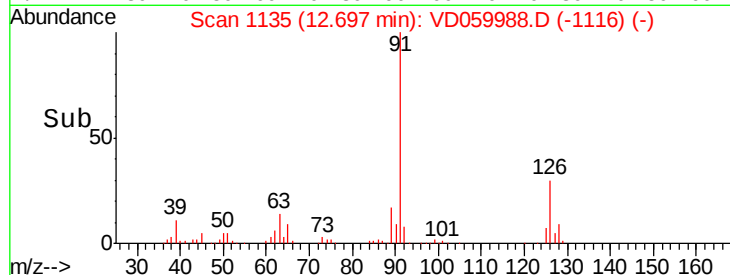
400000

200000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.55 ug/l

RT: 12.79 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VD059988.D

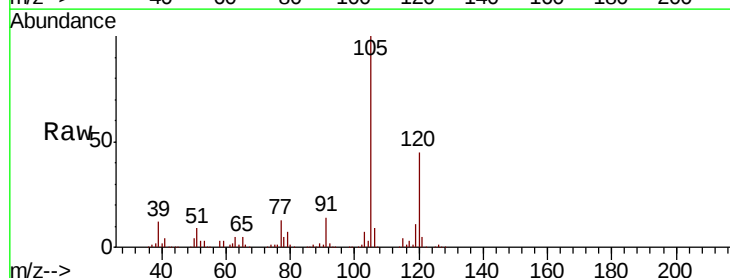
Acq: 10 Sep 2018 12:58

Tgt Ion:105 Resp: 850091

Ion Ratio Lower Upper

105 100

120 44.5 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

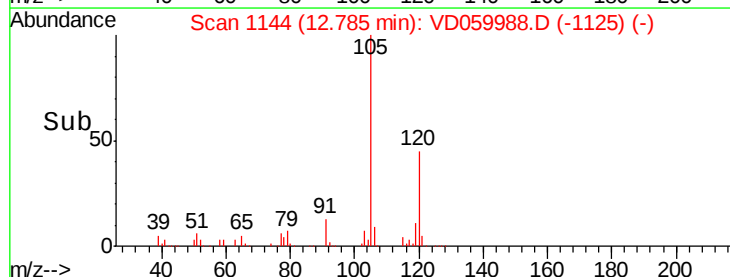
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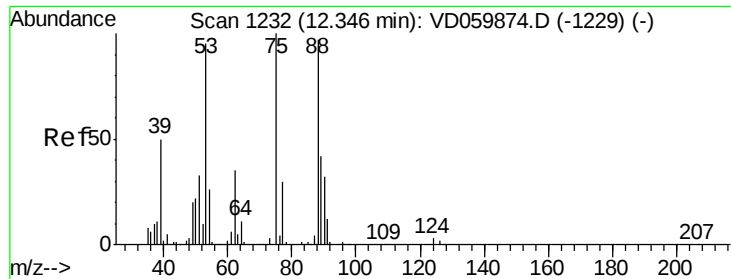
200000

0

12.70 12.80 12.90

Time-->





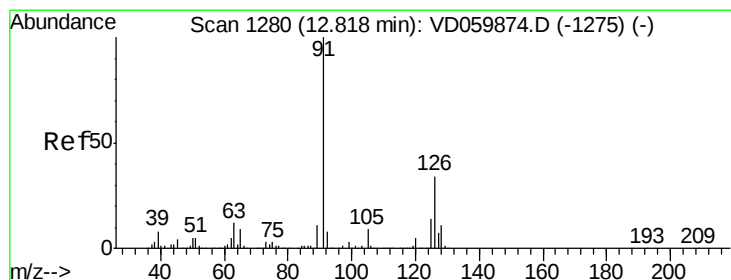
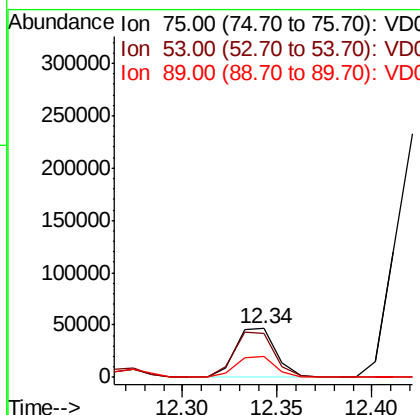
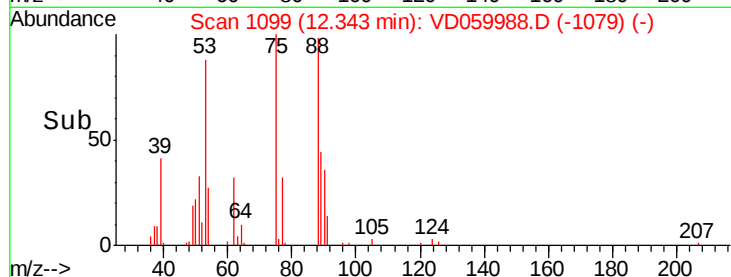
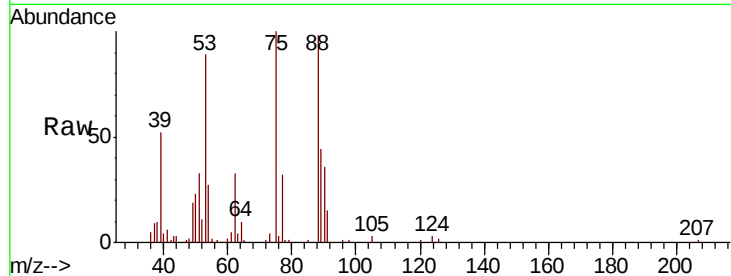
#81
trans-1,4-Dichloro-2-butene
Concen: 17.59 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.3	75.8	113.6
89	44.0	33.6	50.4

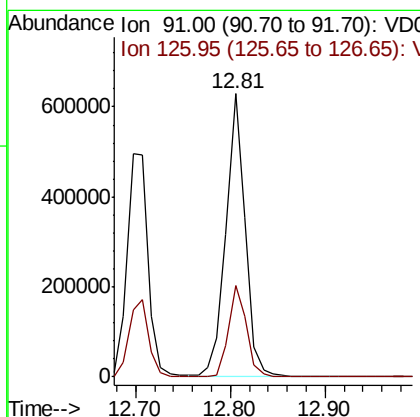
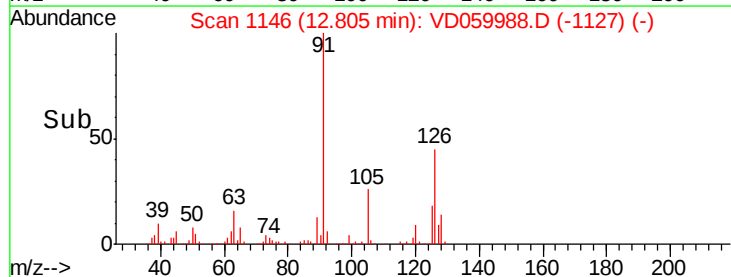
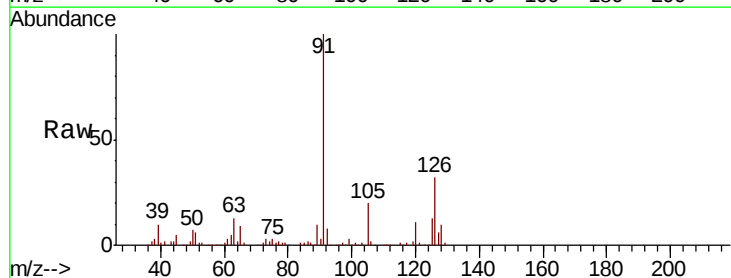
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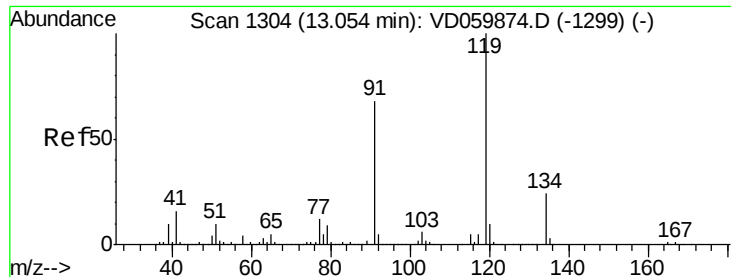
apatel
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#82
4-Chlorotoluene
Concen: 20.75 ug/l
RT: 12.81 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	17.1	51.2





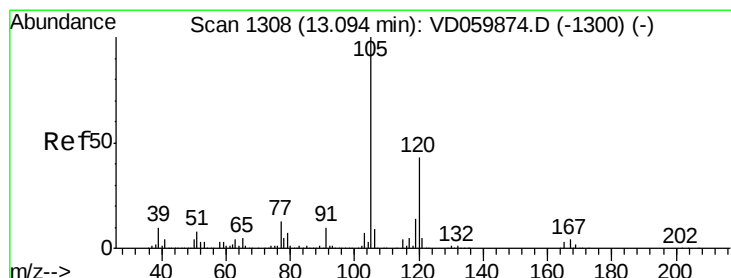
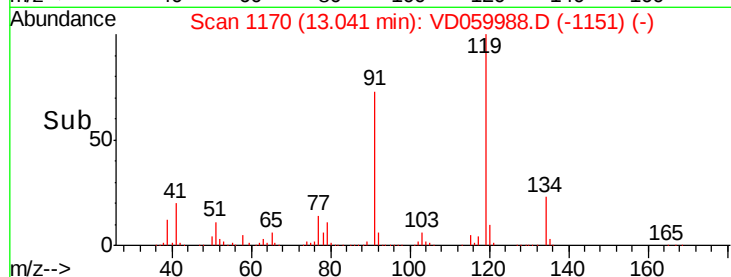
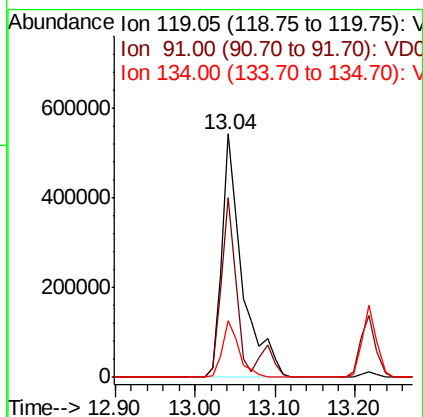
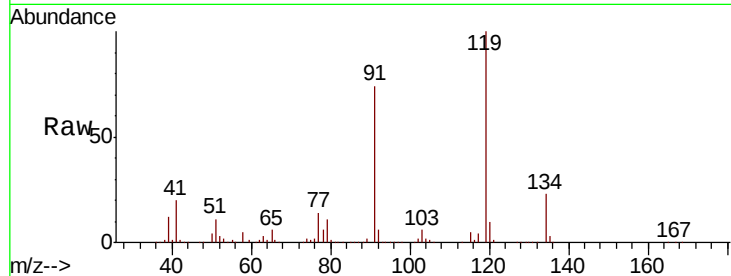
#83
tert-Butylbenzene
Concen: 20.91 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	985301		
91	73.9	34.3	102.9	
134	23.3	11.9	35.9	

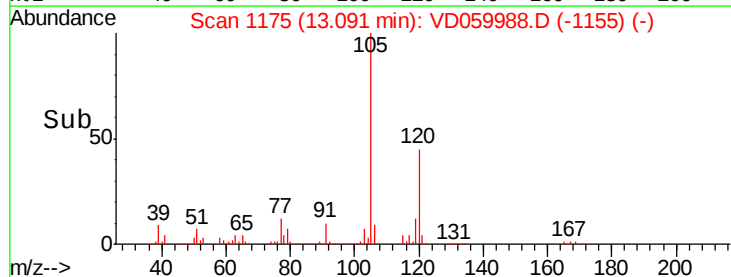
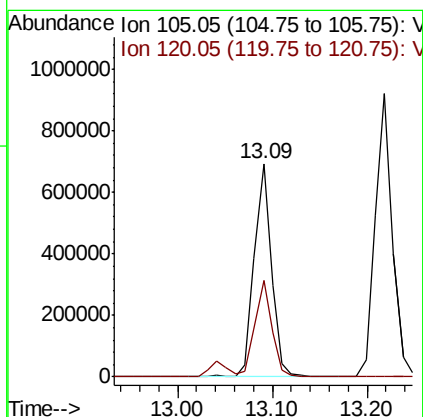
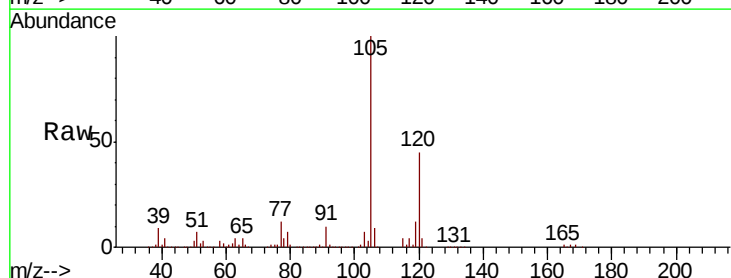
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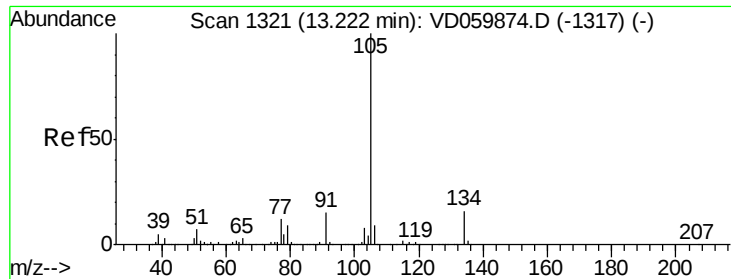
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#84
1,2,4-Trimethylbenzene
Concen: 20.50 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	884079		
120	45.2	21.8	65.3	





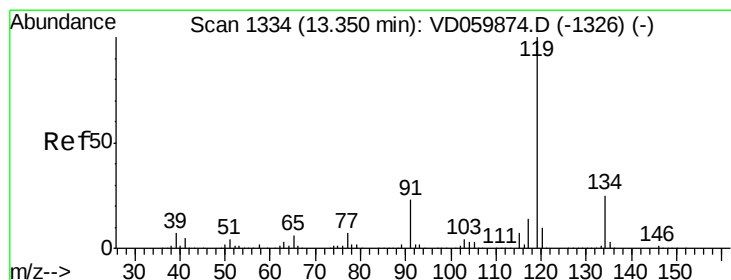
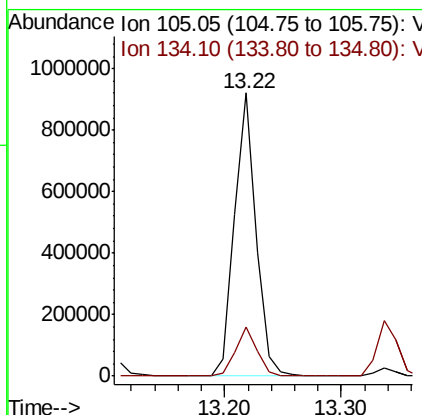
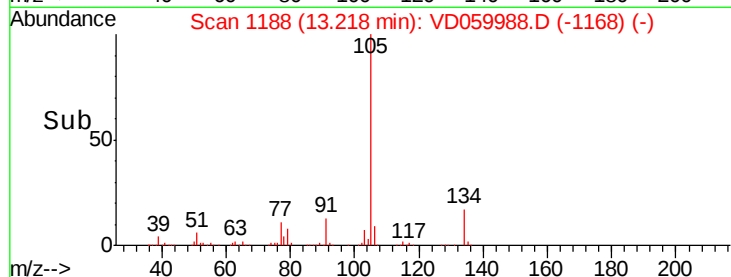
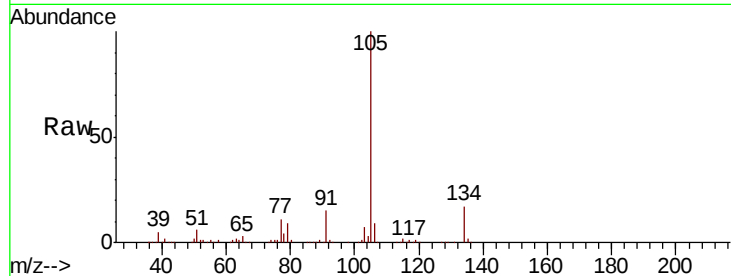
#85
 sec-Butylbenzene
 Concen: 21.15 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0910SBSD01

Tot Ion:105 Resp: 1172259
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4

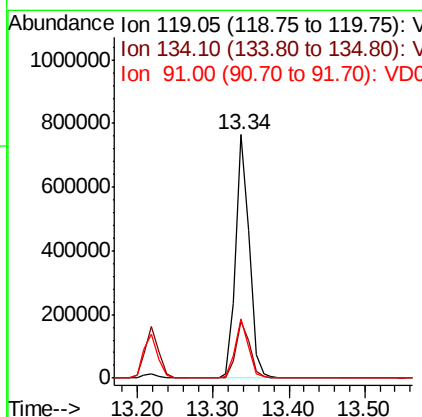
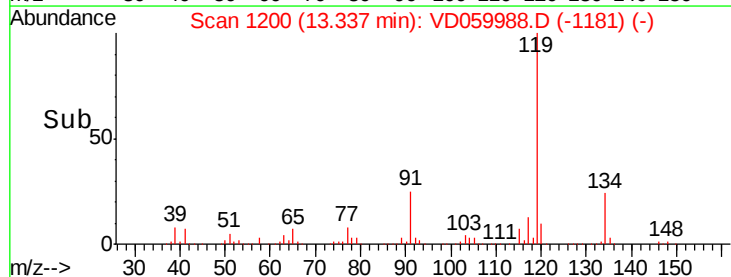
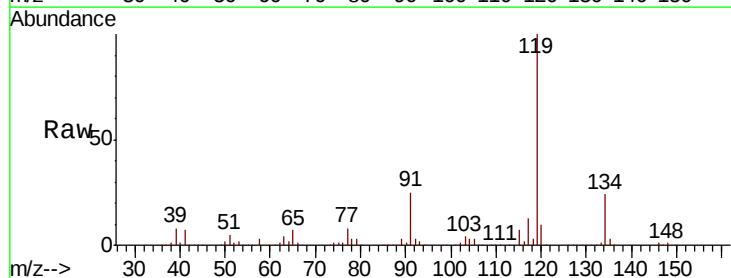
Manual Integrations
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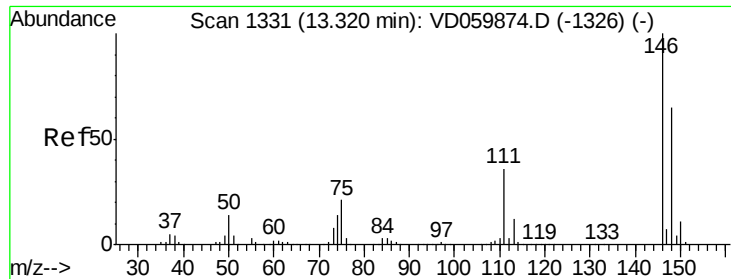
apatel
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#86
 p-Isopropyltoluene
 Concen: 20.63 ug/l
 RT: 13.34 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion:119 Resp: 929625
 Ion Ratio Lower Upper
 119 100
 134 23.5 12.7 38.1
 91 24.6 11.7 35.0





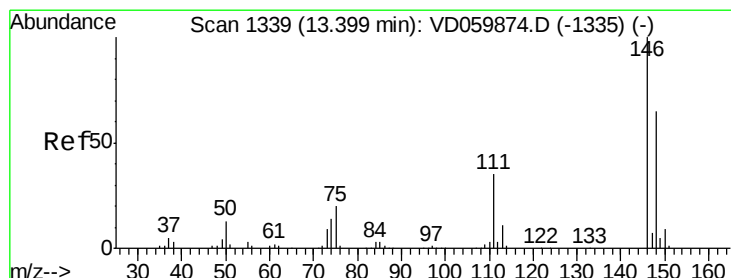
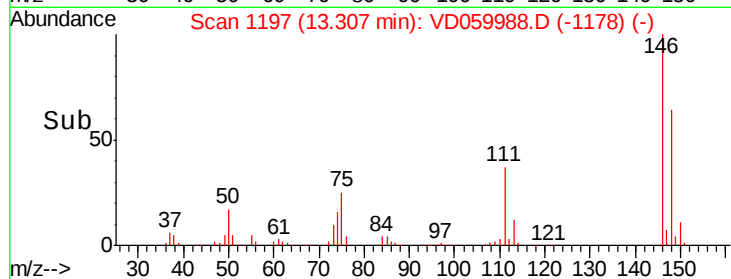
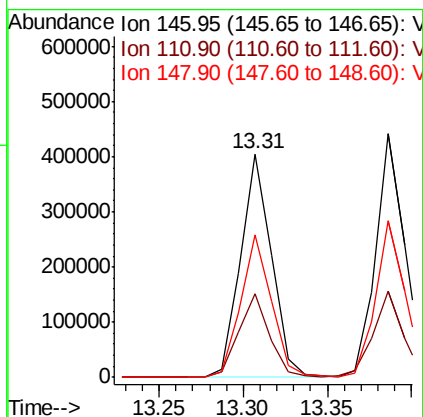
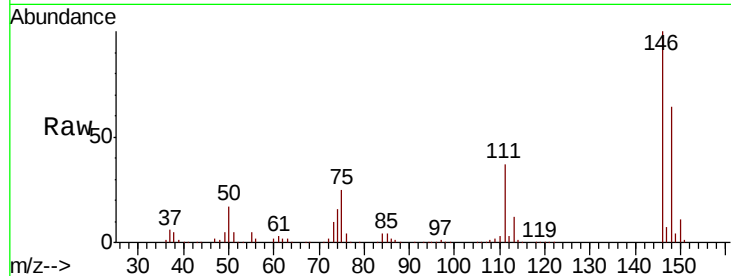
#87
 1,3-Dichlorobenzene
 Concen: 20.04 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.9	53.7
148	63.9	32.4	97.0

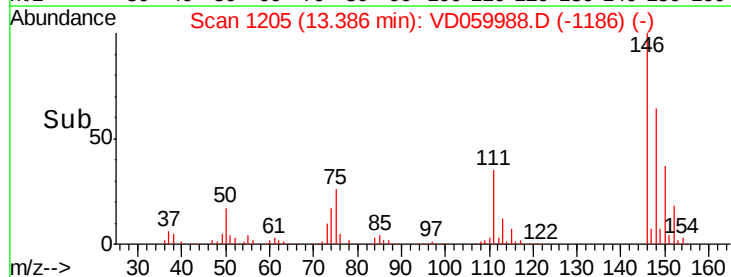
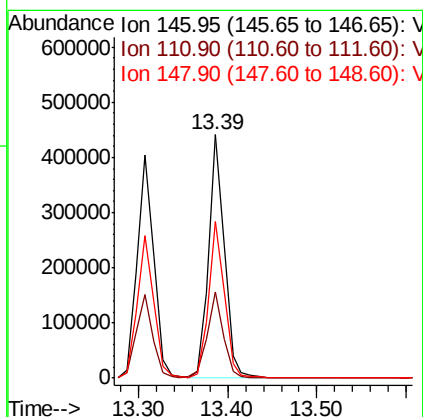
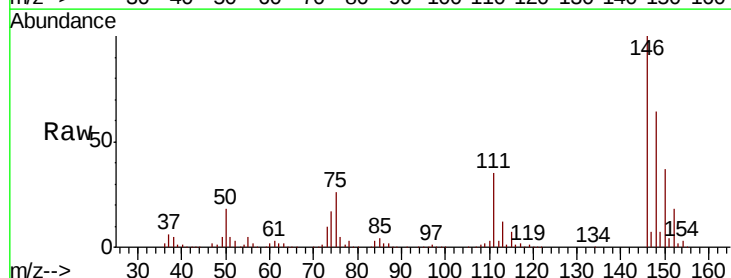
Manual Integrations
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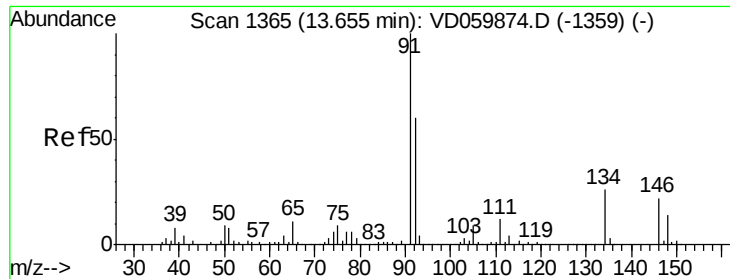
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.85 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.5	52.6
148	64.1	32.5	97.5





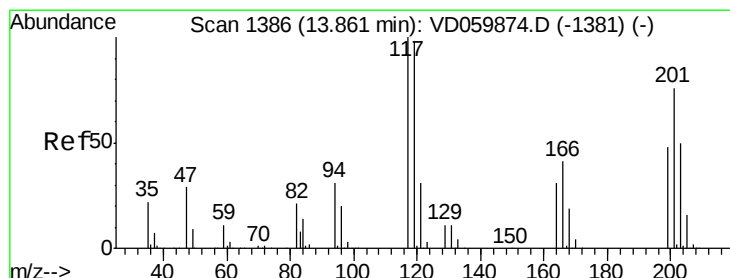
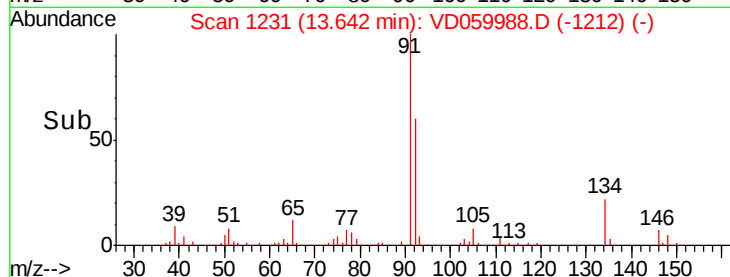
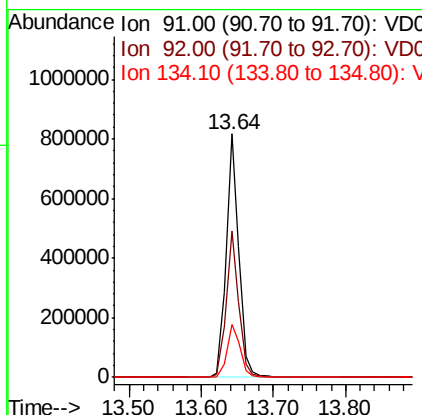
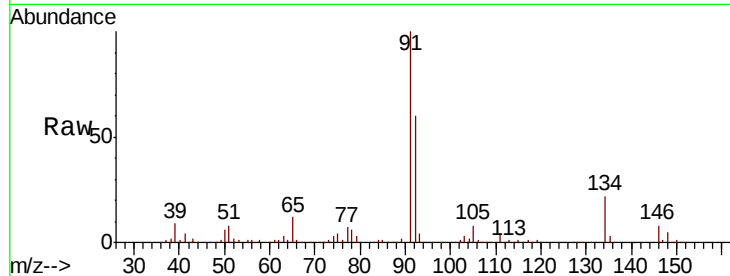
#89
n-Butylbenzene
Concen: 20.30 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Instrument :
MSVOA_D
ClientSampleID :
VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.1	30.0	90.1
134	21.7	12.8	38.4

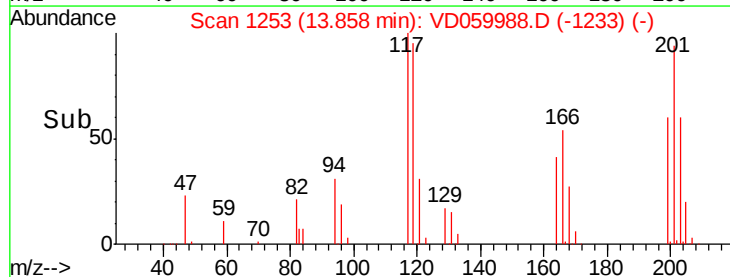
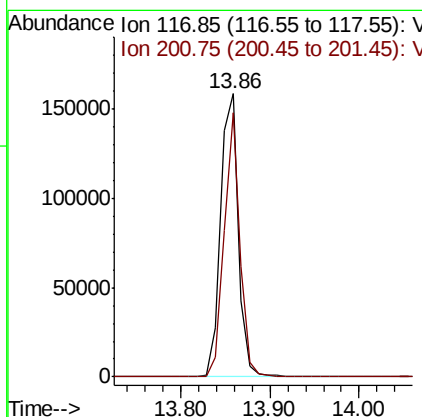
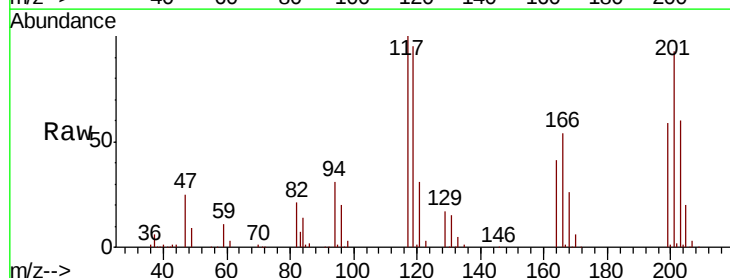
Manual Integrations
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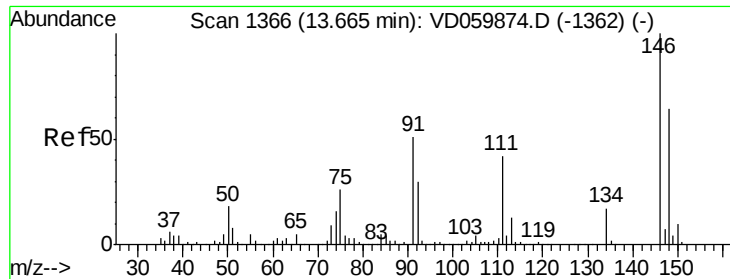
apatel
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#90
Hexachloroethane
Concen: 18.49 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD059988.D
Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.3	38.1	114.5





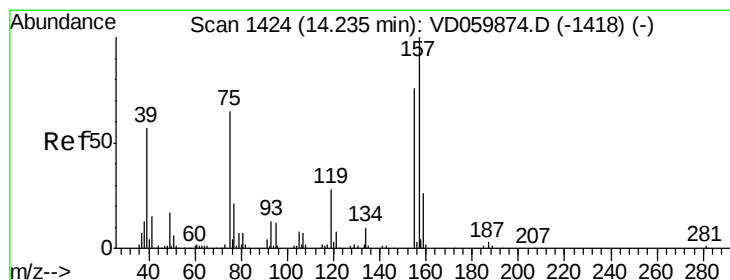
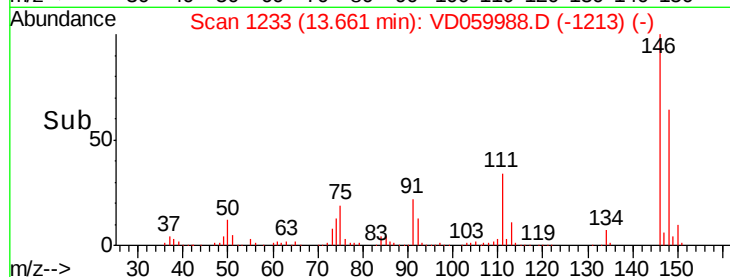
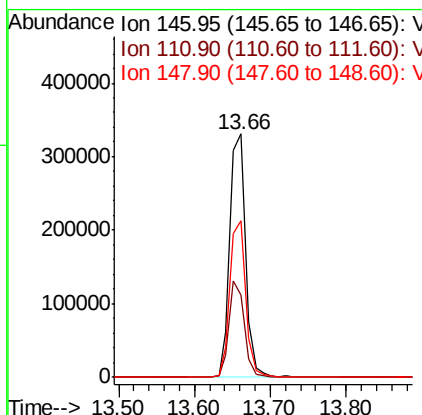
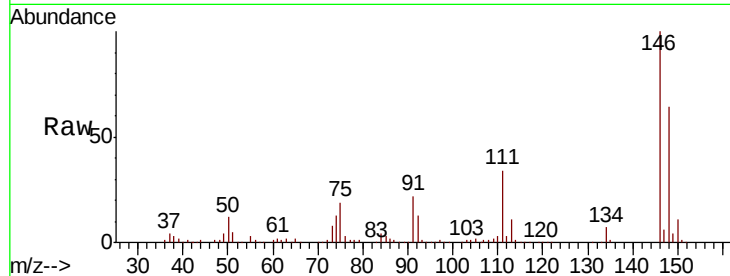
#91
 1,2-Dichlorobenzene
 Concen: 21.84 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.0	21.1	63.1
148	64.3	32.2	96.6

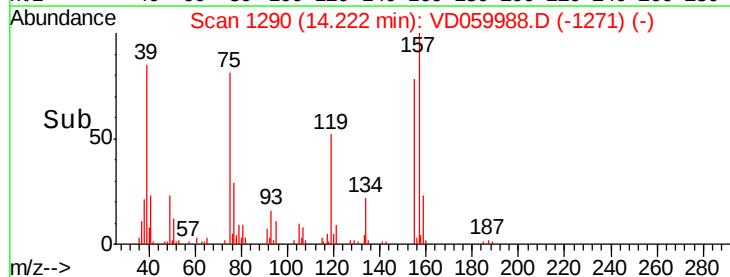
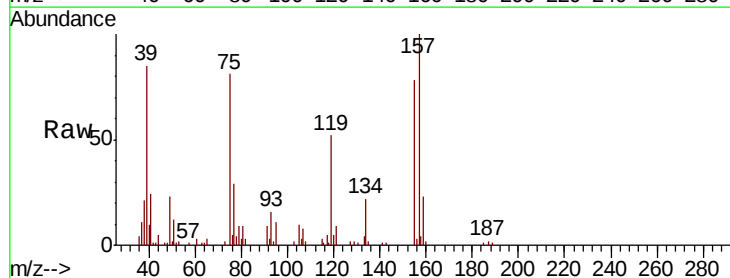
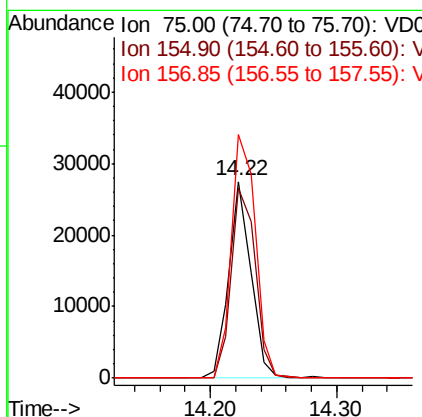
Manual Integrations
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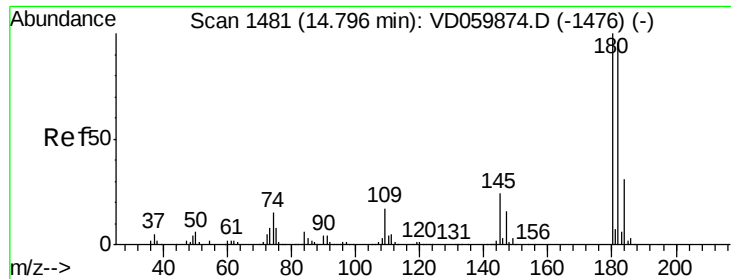
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.11 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	58.2	174.6
157	124.0	76.8	230.4





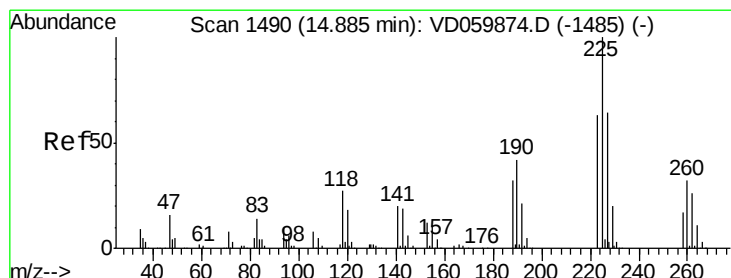
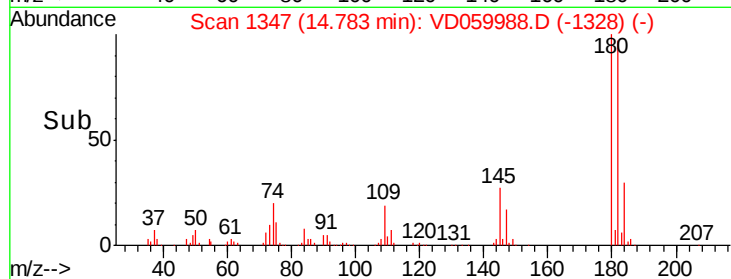
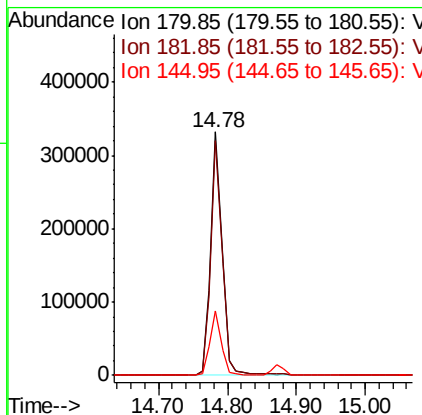
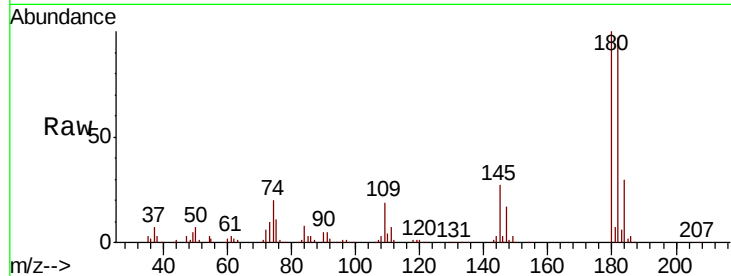
#93
 1,2,4-Trichlorobenzene
 Concen: 20.75 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	389170		
182	96.6	47.9	143.7	
145	26.5	12.2	36.4	

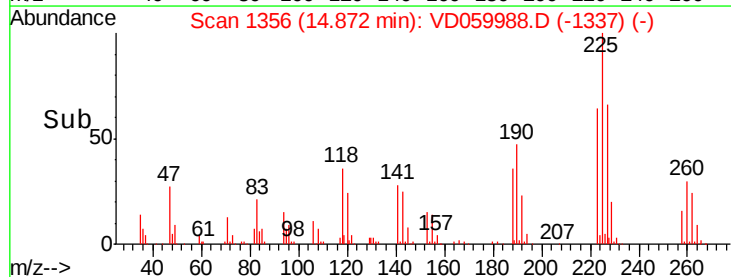
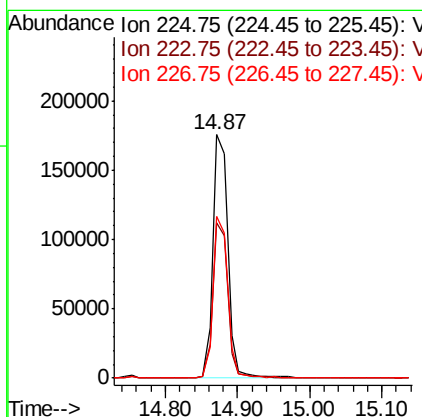
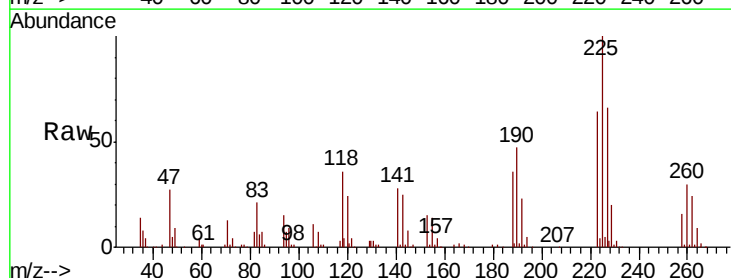
Manual Integrations
 APPROVED

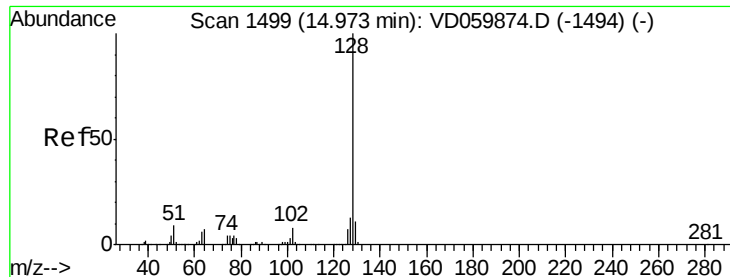
apatel
 9/11/2018 12:25:24 PM



#94
 Hexachlorobutadiene
 Concen: 20.42 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD059988.D
 Acq: 10 Sep 2018 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	250952		
223	63.9	31.6	94.8	
227	66.4	32.0	96.0	





#95

Naphthalene

Concen: 19.91 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Instrument :

MSVOA_D

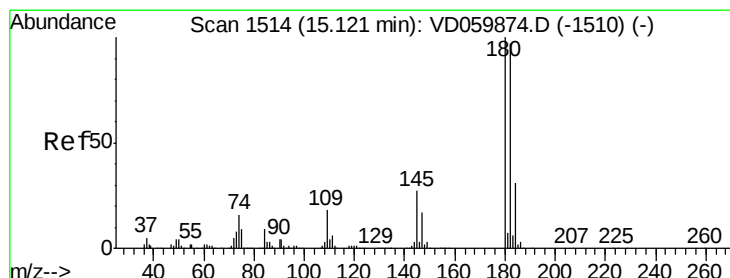
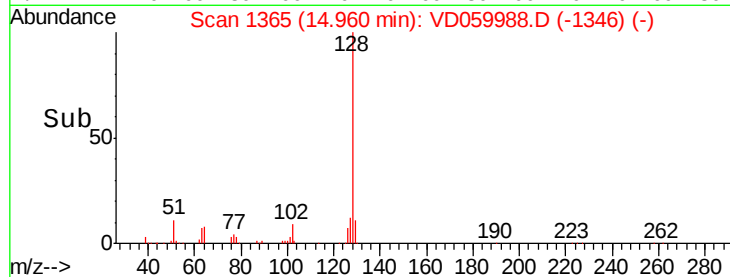
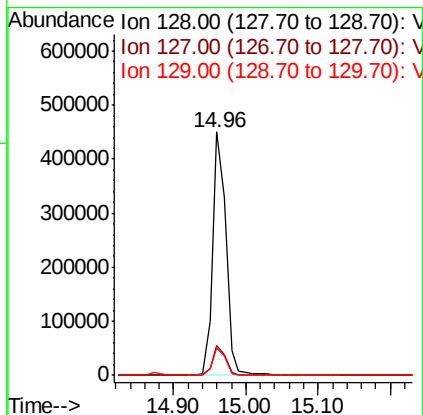
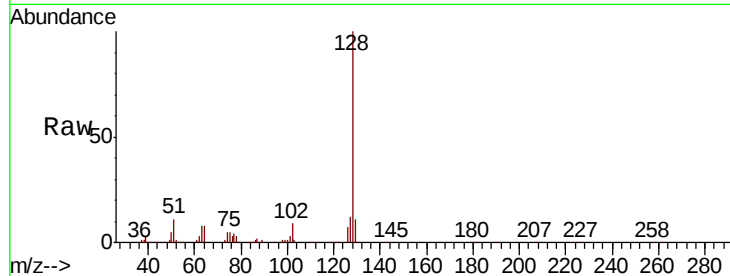
ClientSampleId :

VD0910SBSD01

Tot Ion:	128	Resp:	570629
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.0	15.0
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
9/11/2018 12:25:24 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.16 ug/l

RT: 15.11 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VD059988.D

Acq: 10 Sep 2018 12:58

Tgt Ion:	180	Resp:	323357
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.6	145.8
145	29.1	13.6	40.8

