

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059898.D
 Acq On : 23 Aug 2018 19:55
 Operator : JC/SY
 Sample : J4559-11MSD
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 RA-081718-WSW-20-053

Manual Integrations
 APPROVED

MMDadoda
 8/24/2018 3:09:48 PM

Quant Time: Aug 24 07:09:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	522981	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	768992	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	577362	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	215642	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	303076	68.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	137.52%	
35) Dibromofluoromethane	6.30	113	343241	56.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	113.86%	
50) Toluene-d8	9.44	98	774504	46.29	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.42	95	278117	40.92	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	81.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	232660	49.77	ug/l	98
3) Chloromethane	1.73	50	224280	52.96	ug/l	94
4) Vinyl Chloride	1.83	62	177942	53.59	ug/l	99
5) Bromomethane	2.13	94	41835	72.97	ug/l	87
6) Chloroethane	2.24	64	66740	71.20	ug/l	94
7) Trichlorofluoromethane	2.48	101	195810	50.97	ug/l	94
8) Diethyl Ether	2.80	74	62025	71.97	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.06	101	97753	41.55	ug/l	98
10) Methyl Iodide	3.22	142	127039	50.64	ug/l	97
11) Tert butyl alcohol	3.94	59	138350	411.35	ug/l	99
12) 1,1-Dichloroethene	3.04	96	97196	53.07	ug/l	96
13) Acrolein	2.95	56	44114	302.41	ug/l	89
14) Allyl chloride	3.50	41	252628	60.97	ug/l	100
15) Acrylonitrile	4.06	53	511365	406.01	ug/l	98
16) Acetone	3.13	43	365124	454.66	ug/l	97
17) Carbon Disulfide	3.29	76	273866	48.17	ug/l	100
18) Methyl Acetate	3.52	43	325173	193.96	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	766274	73.96	ug/l	99
20) Methylene Chloride	3.69	84	364369	69.43	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	269036	53.31	ug/l	96
22) Diisopropyl ether	4.82	45	1398389	66.17	ug/l	94
23) Vinyl Acetate	4.77	43	2631895	222.80	ug/l	99
24) 1,1-Dichloroethane	4.72	63	541387	59.30	ug/l	100
25) 2-Butanone	5.60	43	1045192	439.44	ug/l	98
26) 2,2-Dichloropropane	5.56	77	385886	50.56	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	323892	58.62	ug/l	99
28) Bromochloromethane	5.91	49	299668	68.49	ug/l	94
29) Tetrahydrofuran	5.94	42	467412	412.79	ug/l	99
30) Chloroform	6.08	83	572235	61.68	ug/l	97
31) Cyclohexane	6.34	56	223640	26.65	ug/l	97
32) 1,1,1-Trichloroethane	6.27	97	398805	50.65	ug/l	99
36) 1,1-Dichloropropene	6.51	75	310693	44.57	ug/l	98
37) Ethyl Acetate	5.68	43	316688	58.38	ug/l	97
38) Carbon Tetrachloride	6.48	117	292074	41.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	112958	15.00	ug/l	98
40) Benzene	6.77	78	994950	54.89	ug/l	99
41) Methacrylonitrile	5.90	41	183651m	67.21	ug/l	
42) 1,2-Dichloroethane	6.88	62	383890	65.97	ug/l	98
43) Isopropyl Acetate	8.34	43	366890	51.99	ug/l #	99
44) Trichloroethene	7.73	130	248178	46.50	ug/l	97
45) 1,2-Dichloropropane	8.09	63	293011	57.83	ug/l	97
46) Dibromomethane	8.20	93	213057	65.40	ug/l	99
47) Bromodichloromethane	8.47	83	439902	59.65	ug/l	100
48) Methyl methacrylate	8.23	41	313550	76.22	ug/l	98
49) 1,4-Dioxane	8.21	88	59881	1630.41	ug/l #	89
51) 4-Methyl-2-Pentanone	9.33	43	2174742	413.35	ug/l	97
52) Toluene	9.54	92	565271	48.63	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	420902	61.70	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	476602	60.26	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	258924	60.94	ug/l	96
56) Ethyl methacrylate	10.02	69	310732	63.37	ug/l	97
57) 1,3-Dichloropropane	10.37	76	405888	66.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	882927	375.36	ug/l	99
59) 2-Hexanone	10.48	43	1565933	403.53	ug/l	99
60) Dibromochloromethane	10.63	129	326032	61.05	ug/l	98
61) 1,2-Dibromoethane	10.75	107	272930	63.53	ug/l	100
64) Tetrachloroethene	10.24	164	179378	40.18	ug/l	97
65) Chlorobenzene	11.31	112	593561	51.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	249986	59.64	ug/l	98
67) Ethyl Benzene	11.42	91	884362	45.82	ug/l	98
68) m/p-Xylenes	11.55	106	636165	90.52	ug/l	95
69) o-Xylene	11.93	106	313005	45.54	ug/l	97
70) Styrene	11.95	104	584391	49.10	ug/l	96
71) Bromoform	12.11	173	239885	66.14	ug/l	98
73) Isopropylbenzene	12.27	105	614334	44.63	ug/l	99
74) N-amyl acetate	12.13	43	374252	62.09	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	332585	104.45	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	341610	101.93	ug/l	99
77) Bromobenzene	12.54	156	266329	69.78	ug/l	84
78) n-propylbenzene	12.63	91	730469	41.91	ug/l	95
79) 2-Chlorotoluene	12.70	91	492312	49.94	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	474813	43.39	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.33	75	99142	95.10	ug/l	95
82) 4-Chlorotoluene	12.80	91	572733	50.94	ug/l	96
83) tert-Butylbenzene	13.04	119	466843	37.45	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	565238	49.55	ug/l	99
85) sec-Butylbenzene	13.22	105	376521	25.68	ug/l	98
86) p-Isopropyltoluene	13.34	119	316007	26.50	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	313153	45.96	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	337243	49.61	ug/l	99
89) n-Butylbenzene	13.64	91	282383	22.12	ug/l	96
90) Hexachloroethane	13.86	117	81507	25.46	ug/l	73
91) 1,2-Dichlorobenzene	13.65	146	323166	55.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	46079	94.13	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	121153	24.42	ug/l	98
94) Hexachlorobutadiene	14.87	225	31882	9.80	ug/l	96
95) Naphthalene	14.96	128	426715	56.29	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	110746	26.10	ug/l	96

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

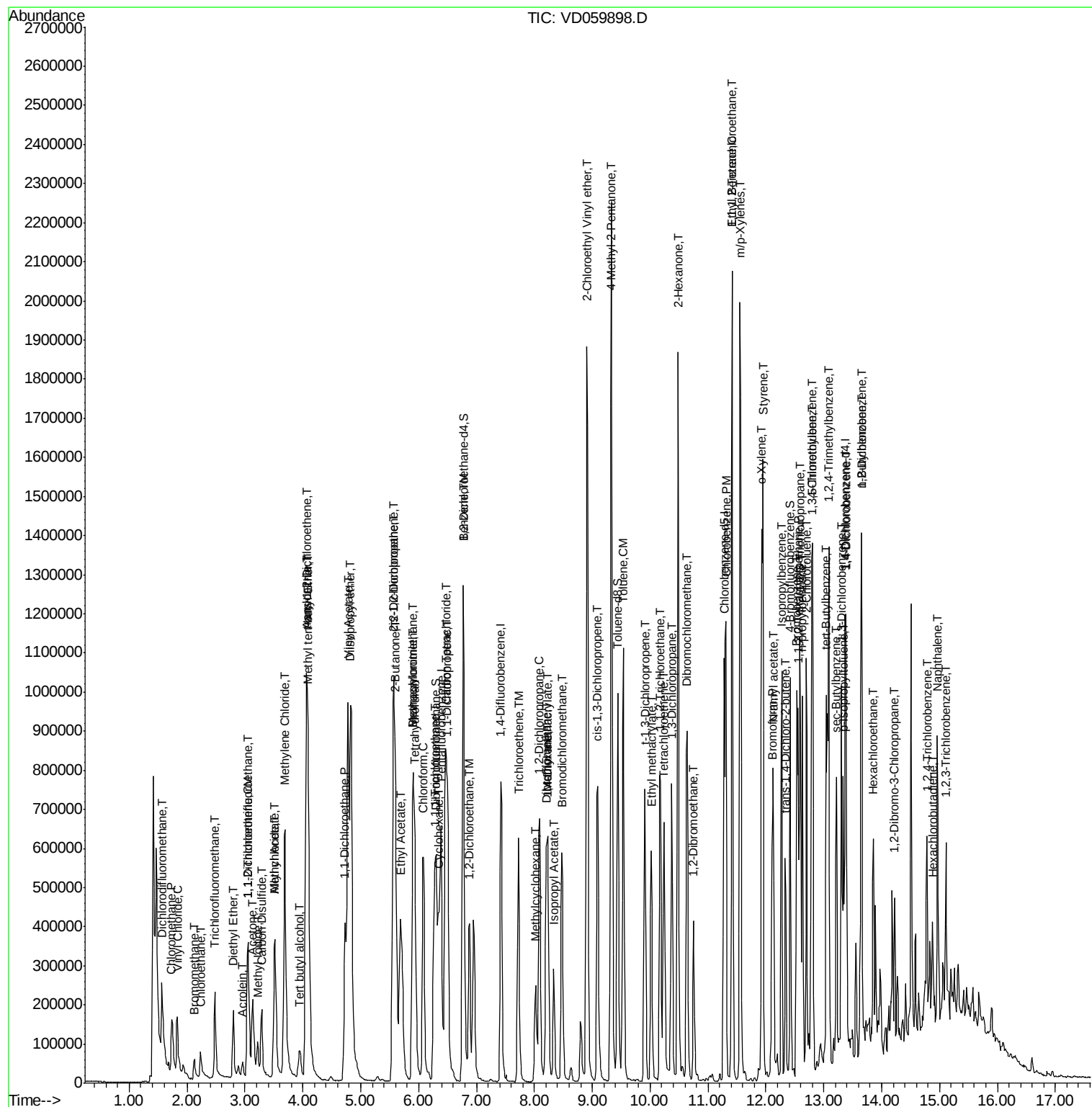
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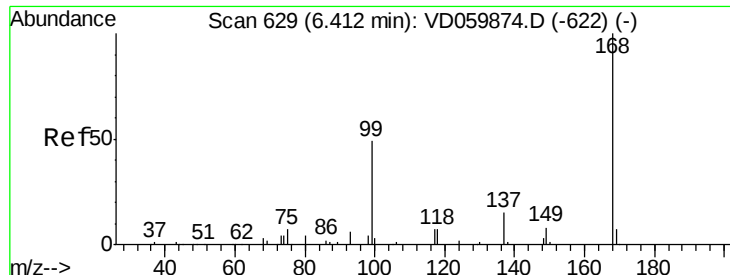
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.39 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:168 Resp: 522981

Ion Ratio Lower Upper

168 100

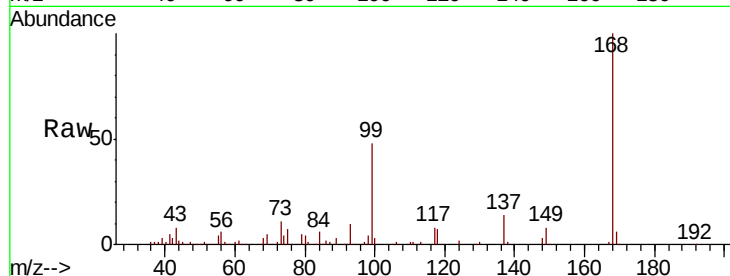
99 48.4 42.2 63.2

Manual Integrations

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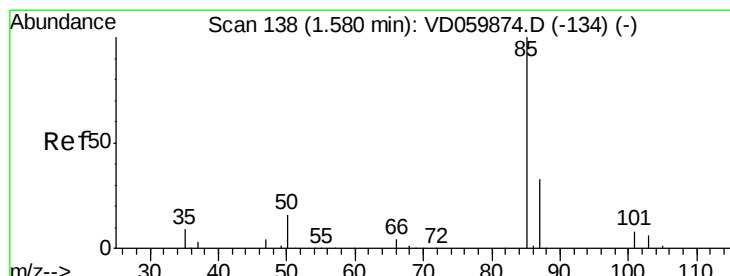
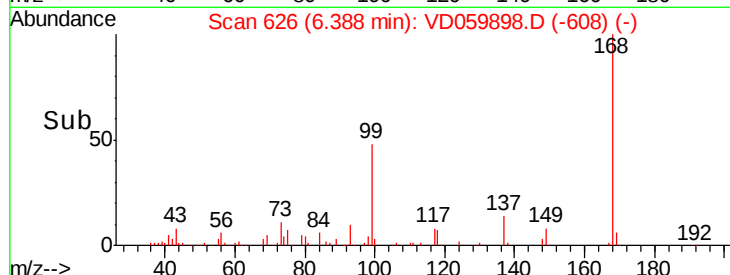
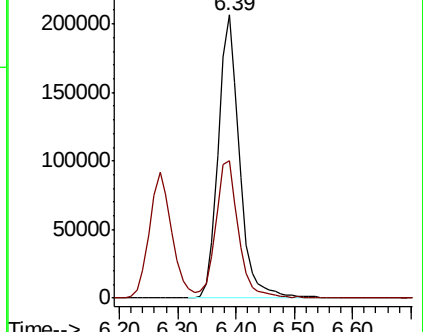
MMDadoda

8/24/2018 3:09:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.77 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059898.D

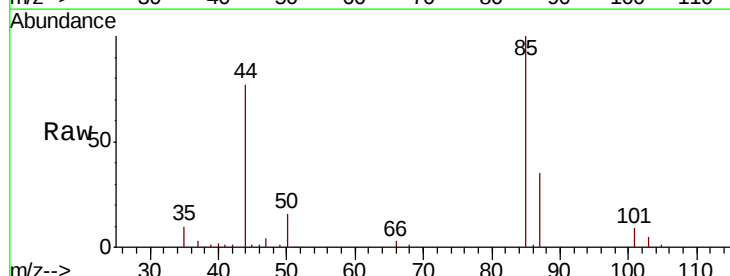
Acq: 23 Aug 2018 19:55

Tgt Ion: 85 Resp: 232660

Ion Ratio Lower Upper

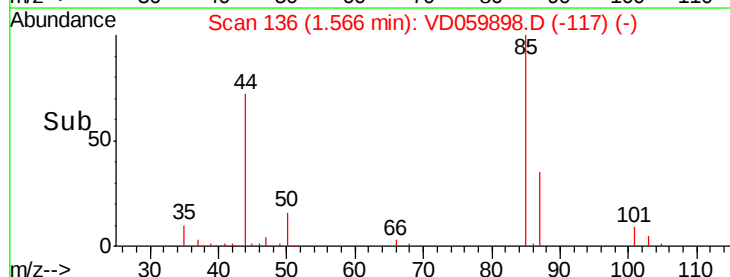
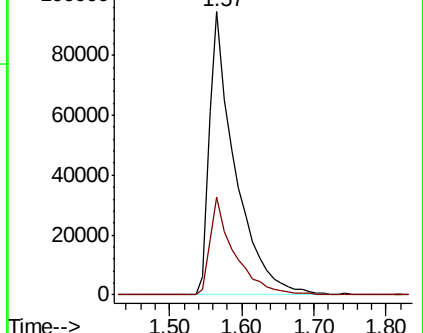
85 100

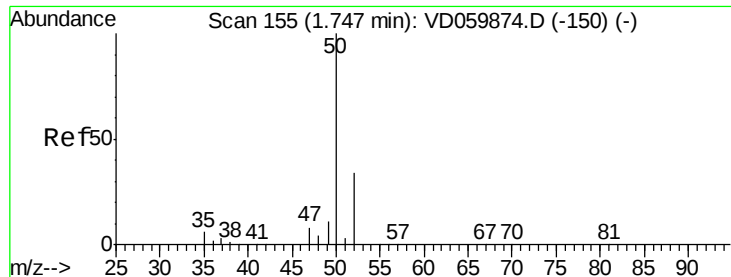
87 34.7 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.96 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 50 Resp: 224280

Ion Ratio Lower Upper

50 100

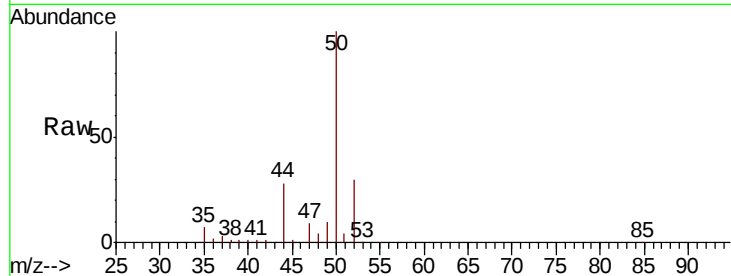
52 30.2 27.0 40.6

Manual Integrations

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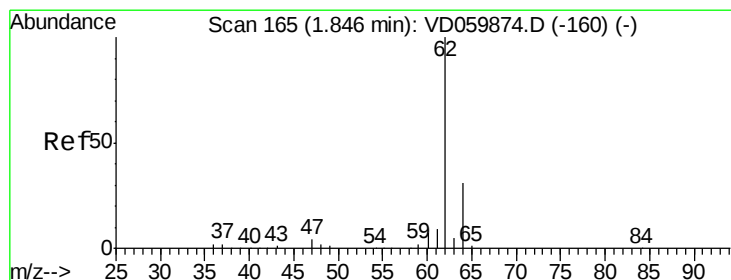
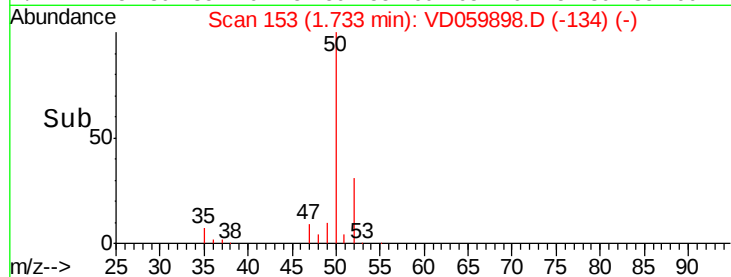
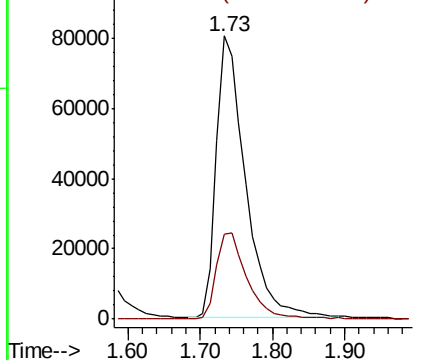
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.59 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059898.D

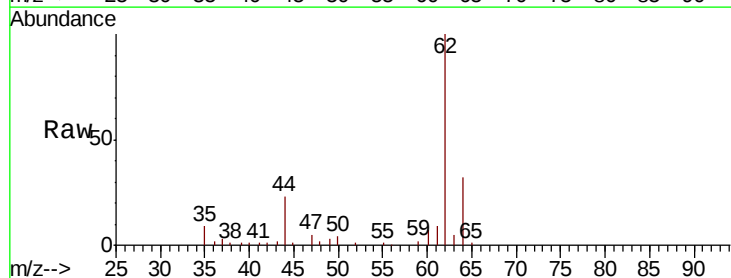
Acq: 23 Aug 2018 19:55

Tgt Ion: 62 Resp: 177942

Ion Ratio Lower Upper

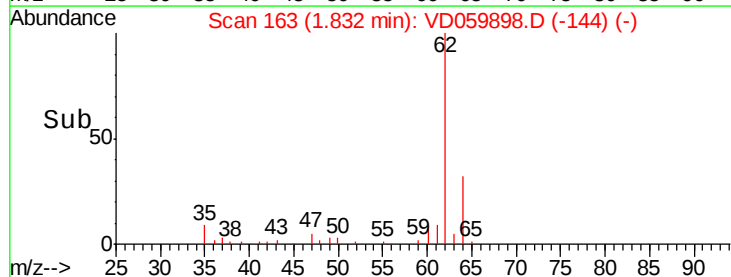
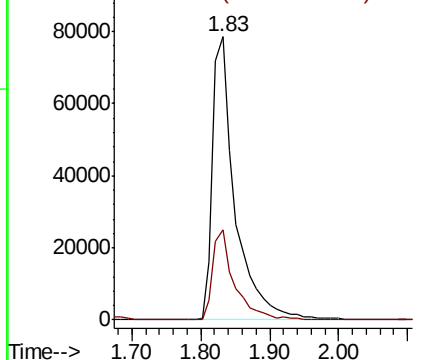
62 100

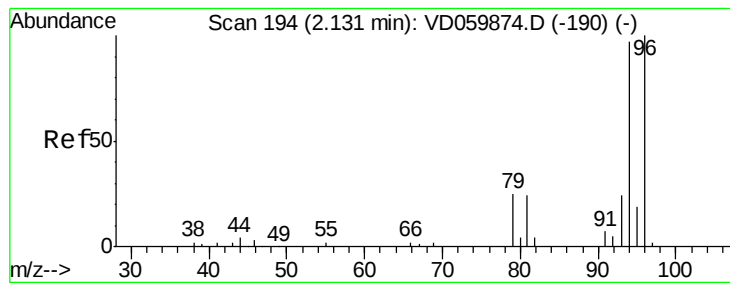
64 31.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 72.97 ug/l

RT: 2.13 min Scan# 193

Delta R.T. -0.00 min

Lab File: VD059898.D

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Tot Ion: 94 Resp: 41835

Ion Ratio Lower Upper

94 100

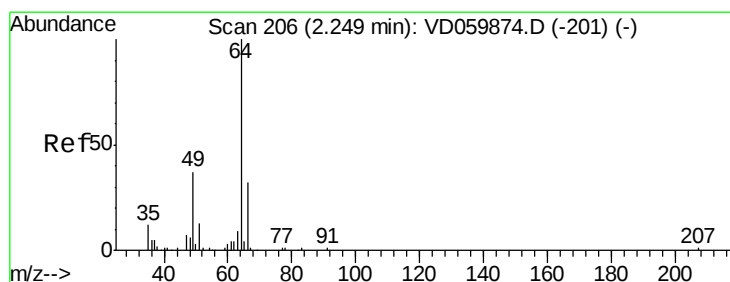
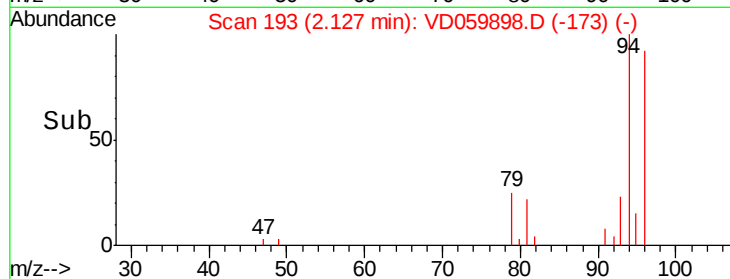
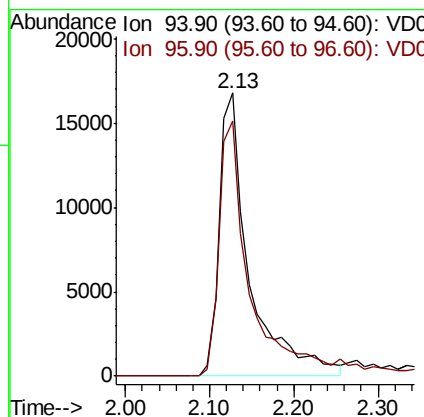
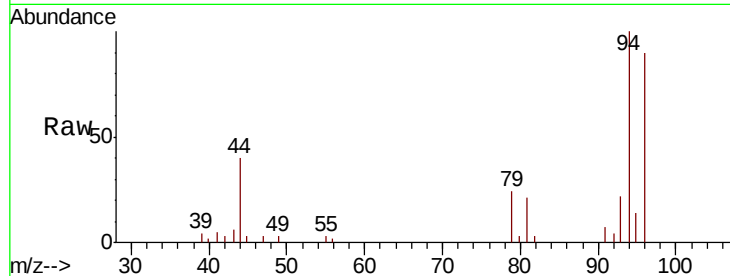
96 90.0 82.4 123.6

Manual Integrations

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#6

Chloroethane

Concen: 71.20 ug/l

RT: 2.24 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD059898.D

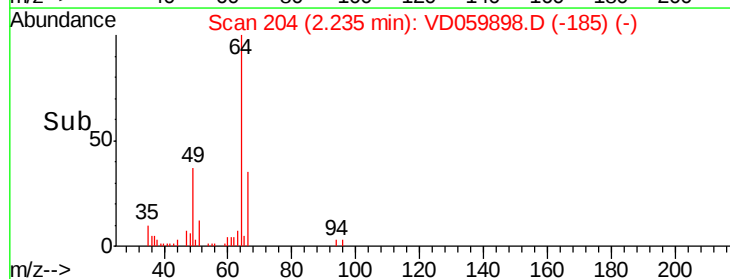
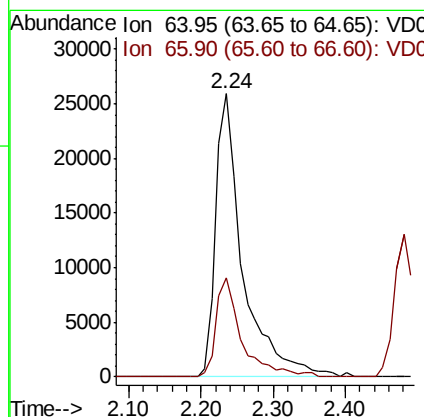
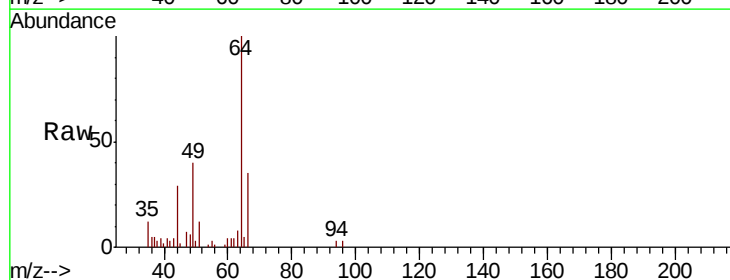
Acq: 23 Aug 2018 19:55

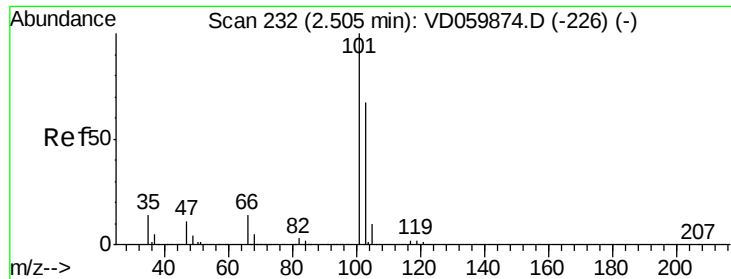
Tgt Ion: 64 Resp: 66740

Ion Ratio Lower Upper

64 100

66 35.2 25.3 37.9





#7

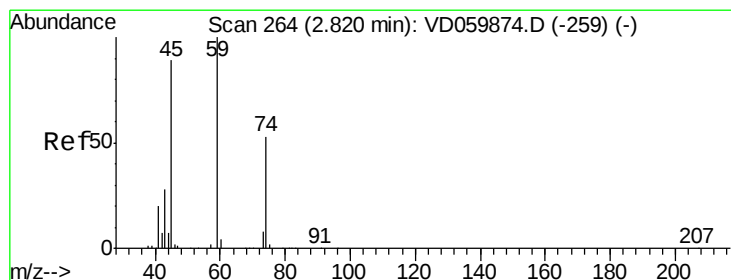
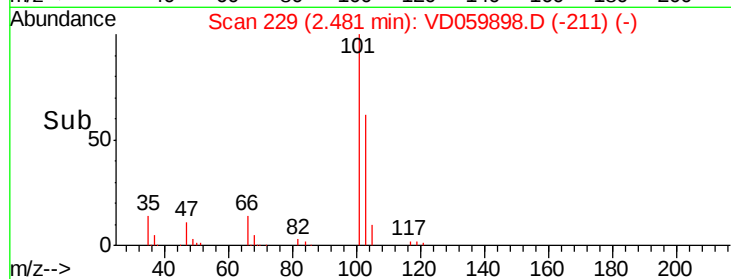
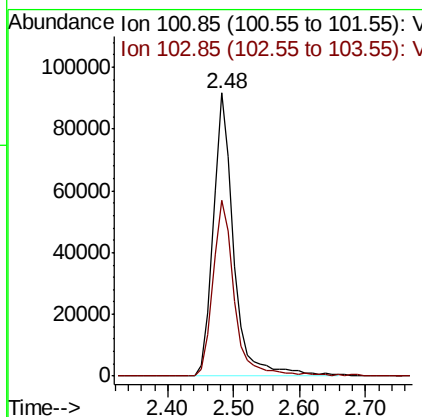
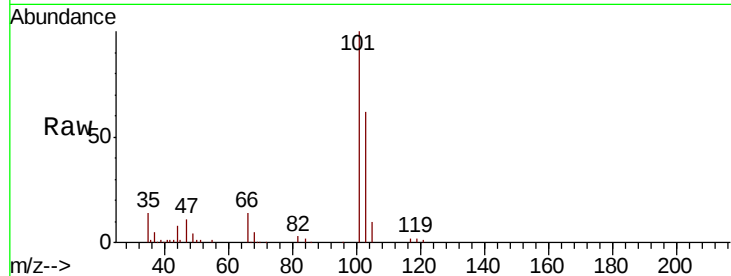
Trichlorofluoromethane
Concen: 50.97 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.02 min
Lab File: VD059898.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	195810		
103	62.1	53.7	80.5	

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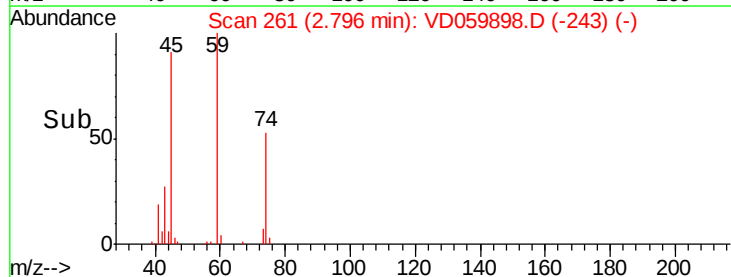
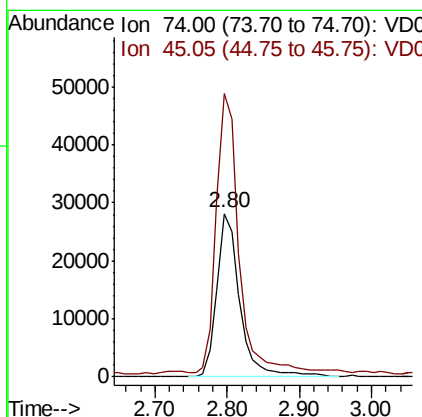
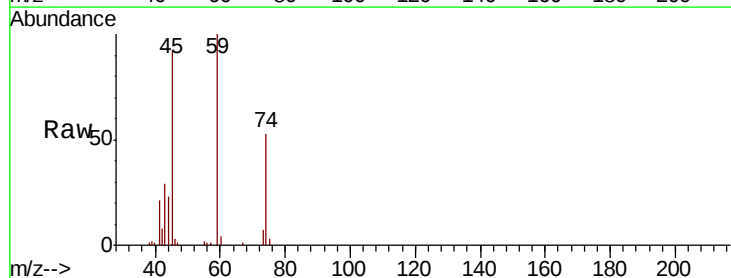
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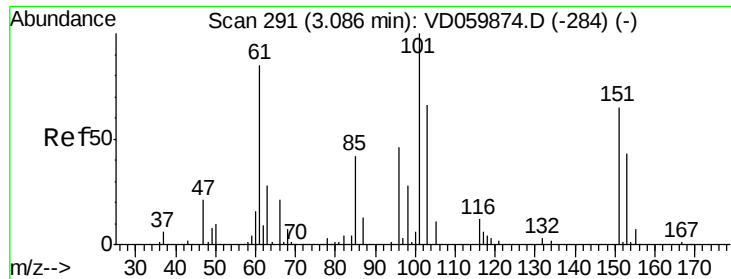


#8

Diethyl Ether
Concen: 71.97 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62025		
45	173.4	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.55 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

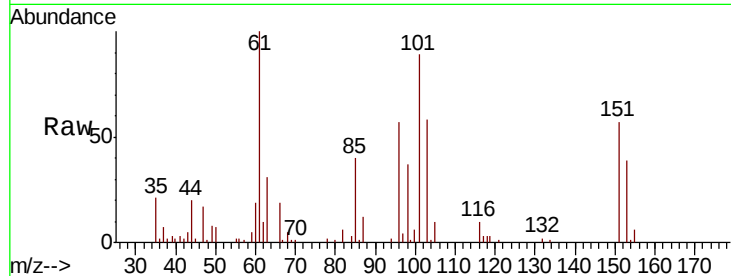
ClientSampleId :

RA-081718-WSW-20-053

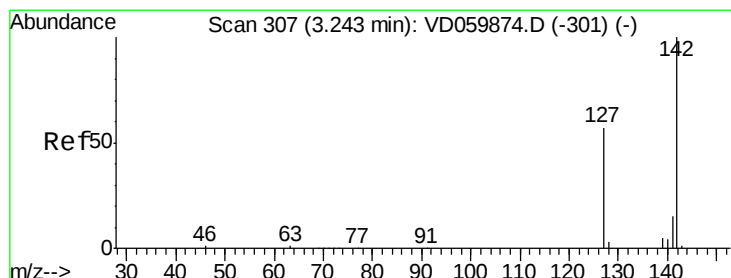
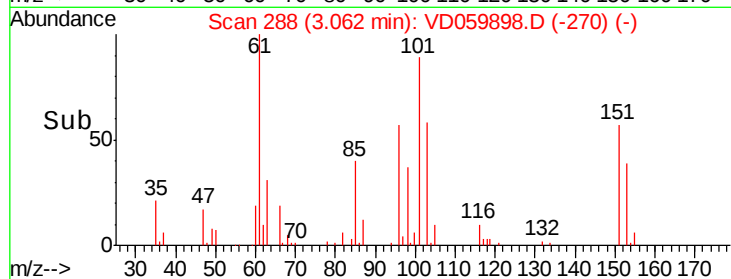
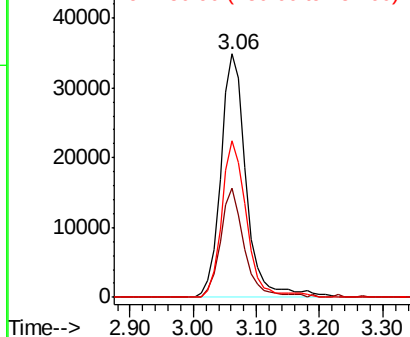
Tot Ion:	101	Resp:	97753
Ion Ratio	Lower	Upper	
101	100		
85	44.9	33.6	50.4
151	64.4	52.0	78.0

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



#10

Methyl Iodide

Concen: 50.64 ug/l

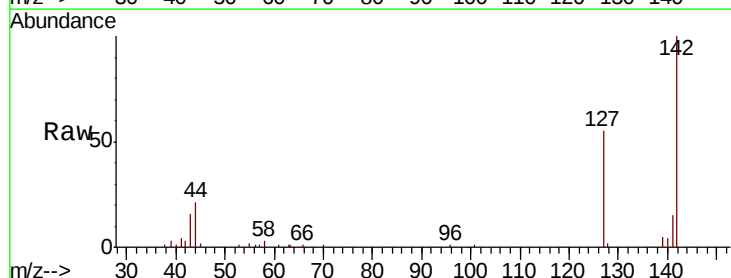
RT: 3.22 min Scan# 304

Delta R.T. -0.02 min

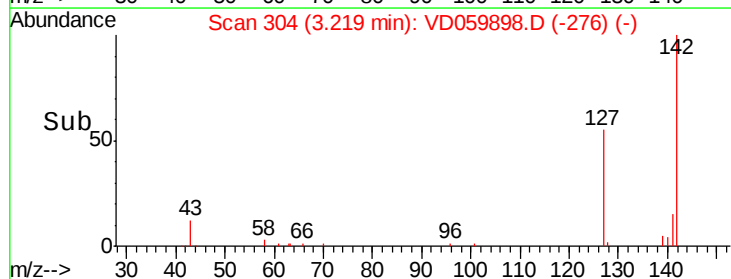
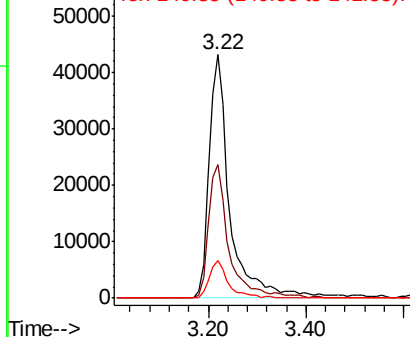
Lab File: VD059898.D

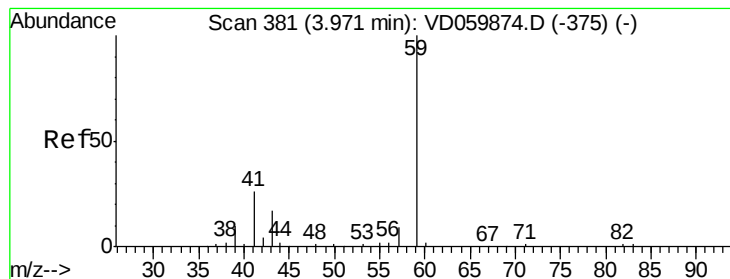
Acq: 23 Aug 2018 19:55

Tgt Ion:	142	Resp:	127039
Ion Ratio	Lower	Upper	
142	100		
127	55.1	45.8	68.6
141	15.4	11.6	17.4



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





#11

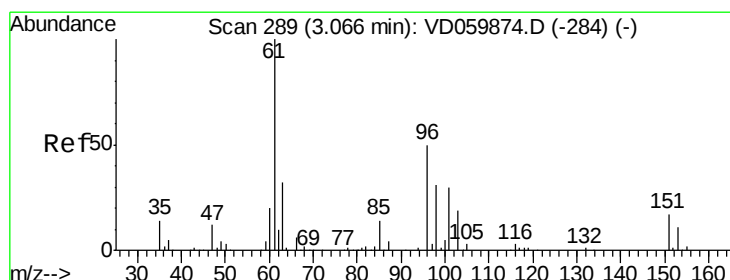
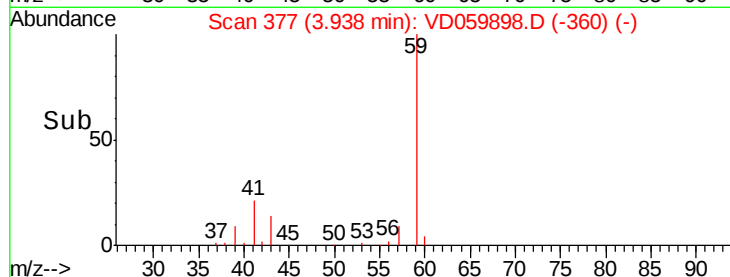
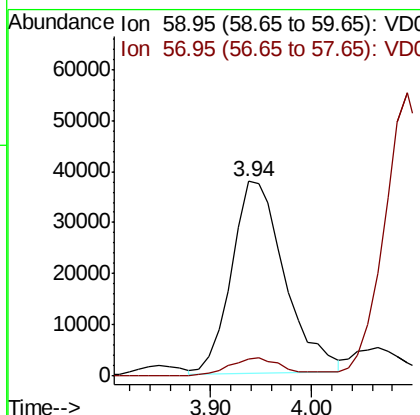
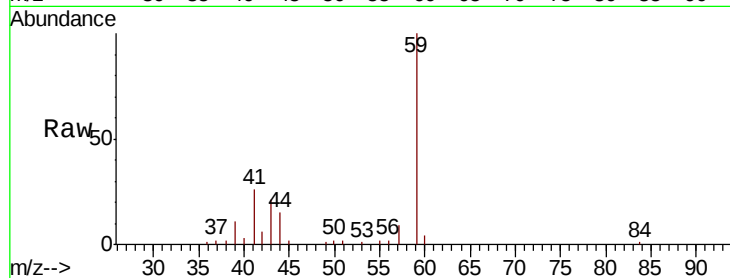
Tert butyl alcohol
 Concen: 411.35 ug/l
 RT: 3.94 min Scan# 377
 Delta R.T. -0.03 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	138350		
57	57	8.8		7.4	11.0

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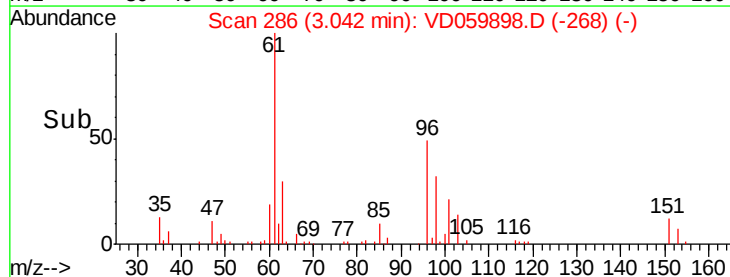
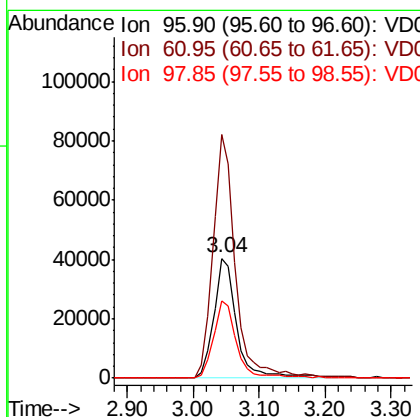
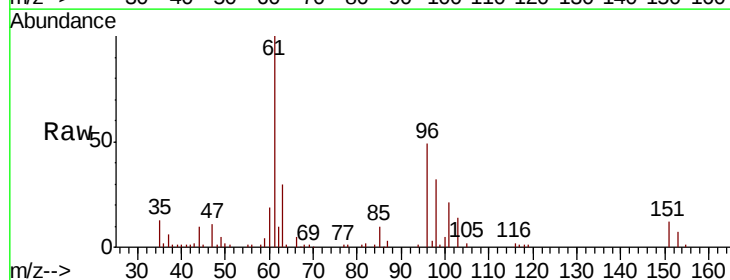
MMDadoda
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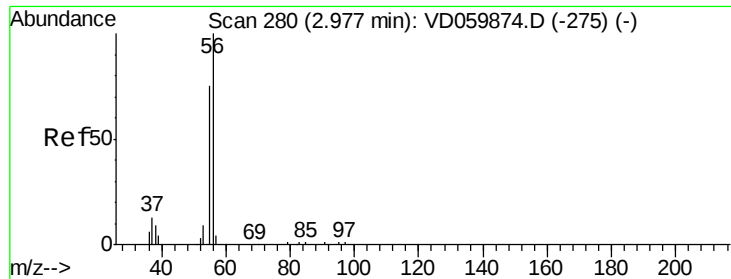


#12

1,1-Dichloroethene
 Concen: 53.07 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	97196		
61	61	203.3		158.8	238.2
98	98	65.0		48.7	73.1





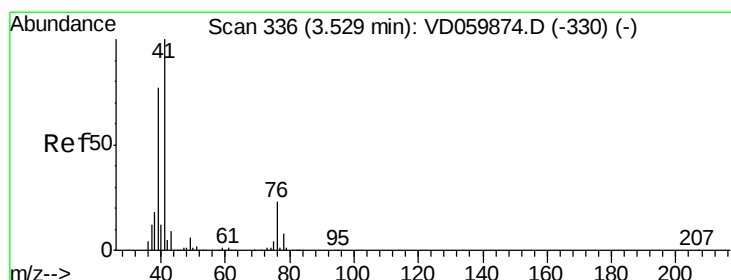
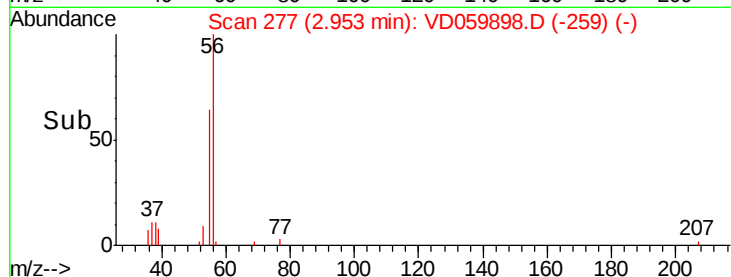
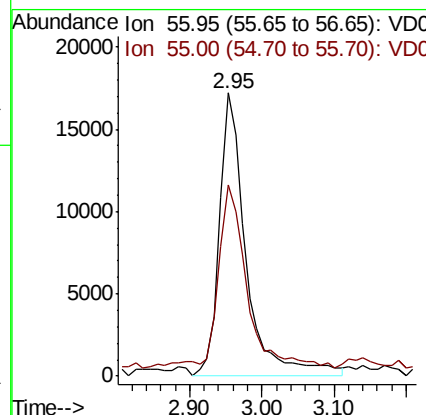
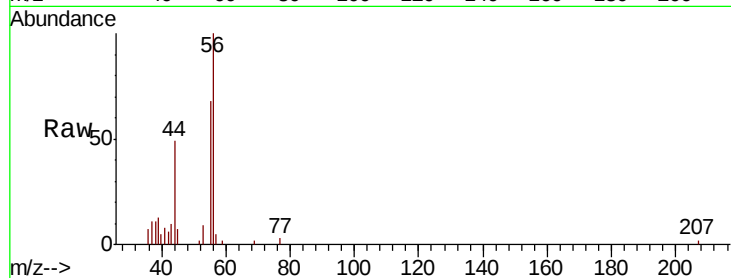
#13
 Acrolein
 Concen: 302.41 ug/l
 RT: 2.95 min Scan# 277
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.8	61.9	92.9

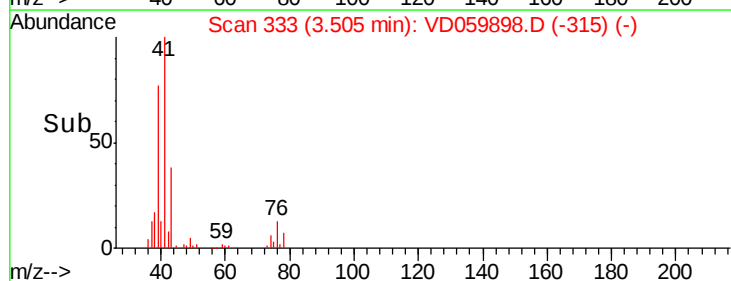
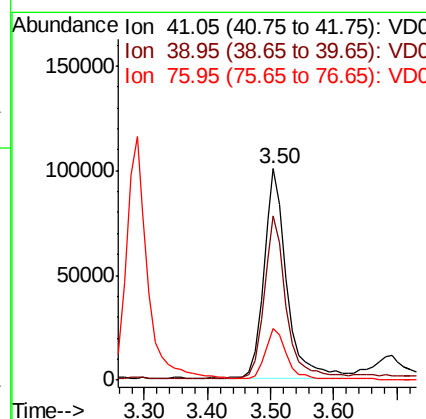
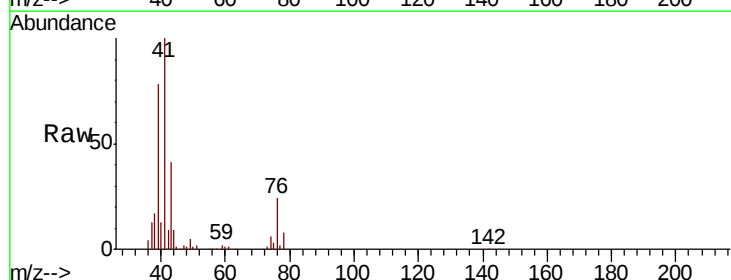
Manual Integrations
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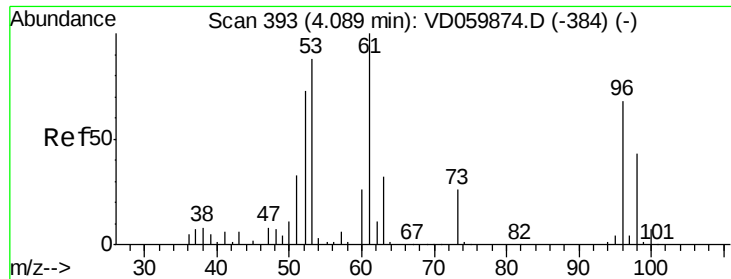
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#14
 Allyl chloride
 Concen: 60.97 ug/l
 RT: 3.50 min Scan# 333
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.6	61.8	92.6
76	24.2	19.4	29.2





#15

Acrylonitrile

Concen: 406.01 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

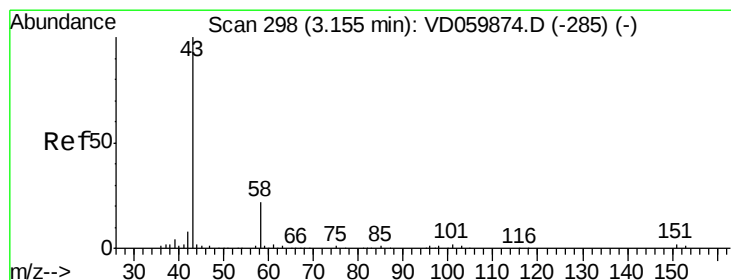
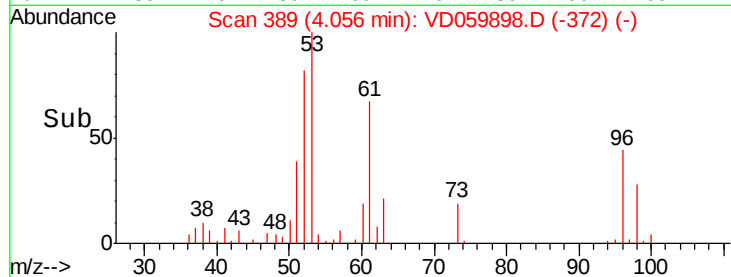
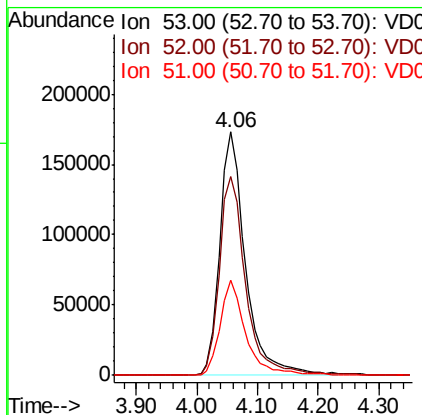
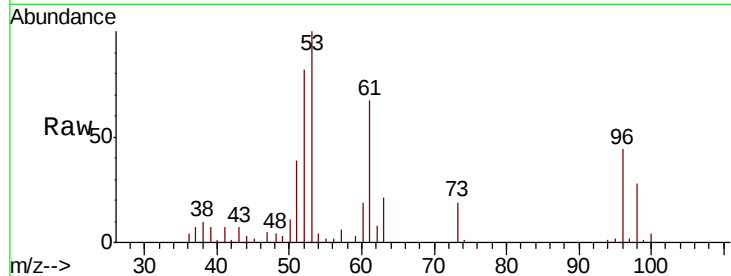
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	53	Resp:	511365
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.9	100.3
51	39.1	30.3	45.5

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#16

Acetone

Concen: 454.66 ug/l

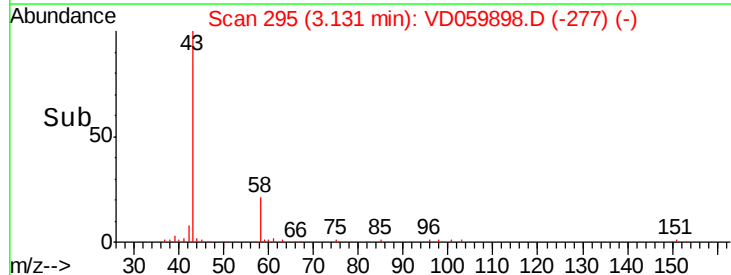
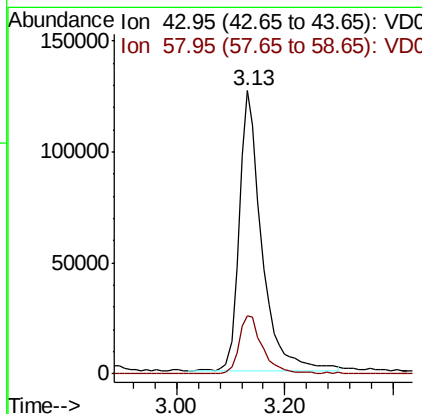
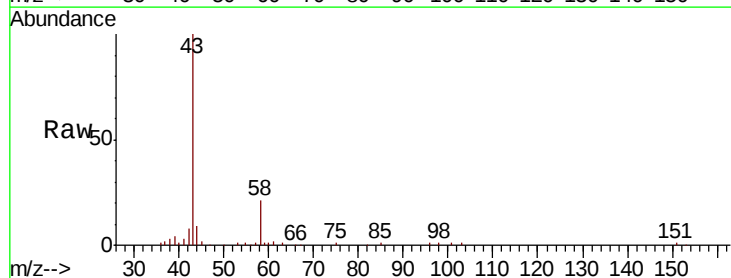
RT: 3.13 min Scan# 295

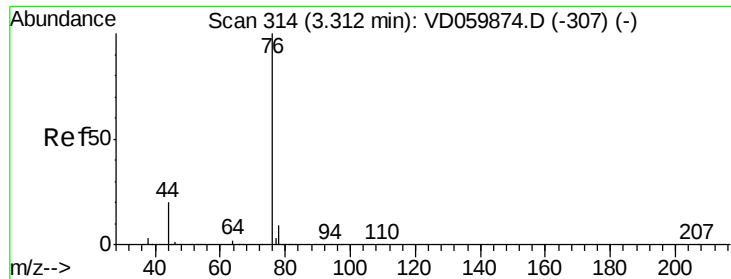
Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion:	43	Resp:	365124
Ion Ratio	Lower	Upper	
43	100		
58	20.6	17.6	26.4





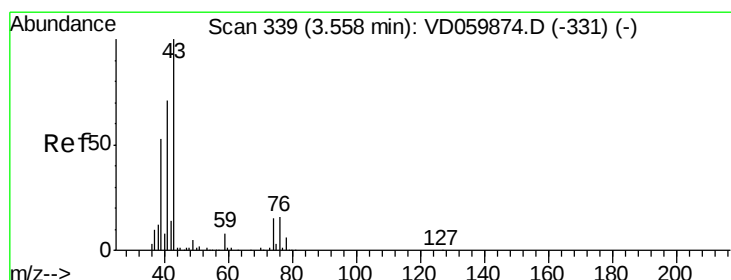
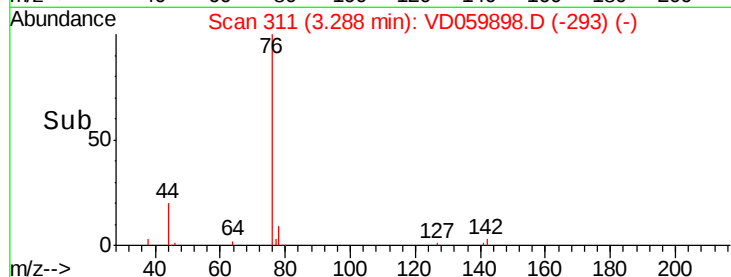
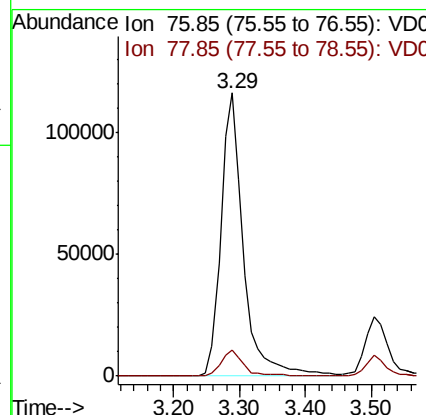
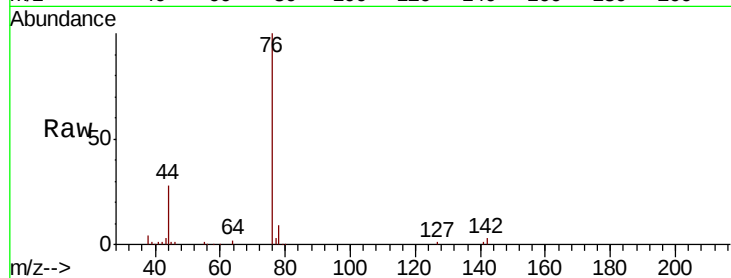
#17
Carbon Disulfide
Concen: 48.17 ug/l
RT: 3.29 min Scan# 311
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
76	100	273866		
78	9.2		7.4	11.2

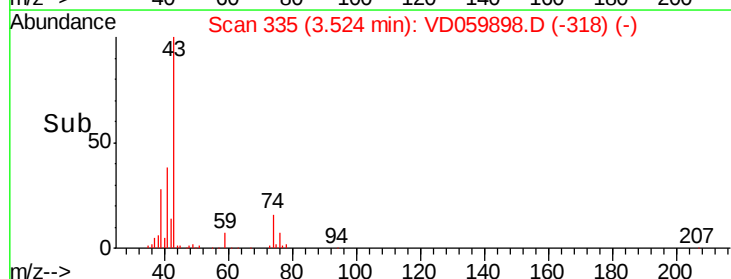
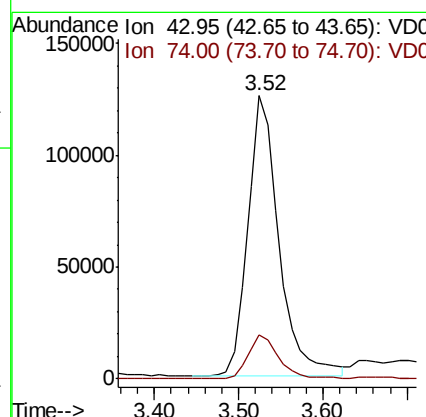
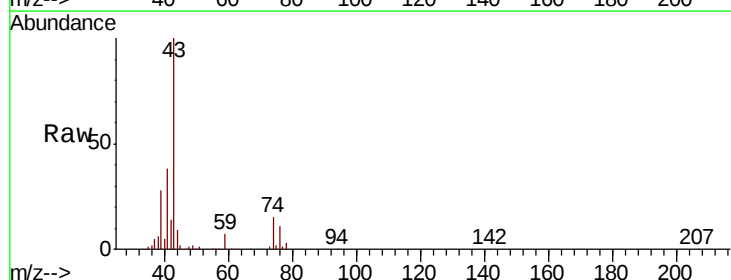
Manual Integrations
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#18
Methyl Acetate
Concen: 193.96 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.03 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	325173		
74	15.5		11.2	16.8





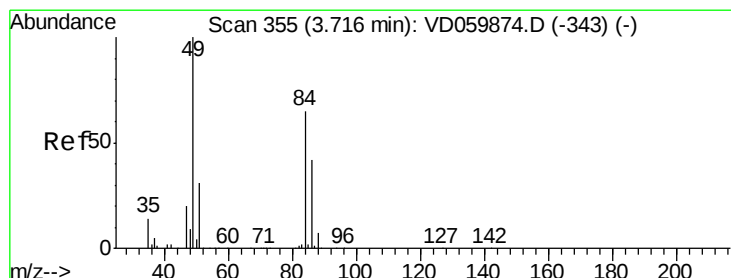
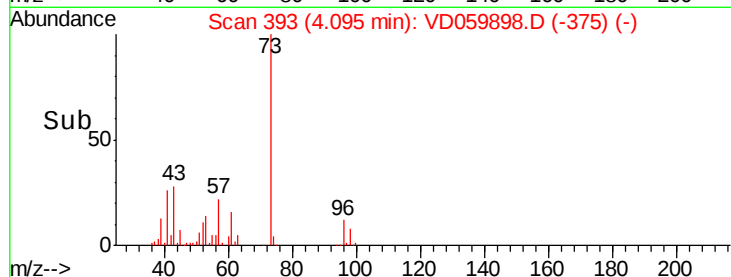
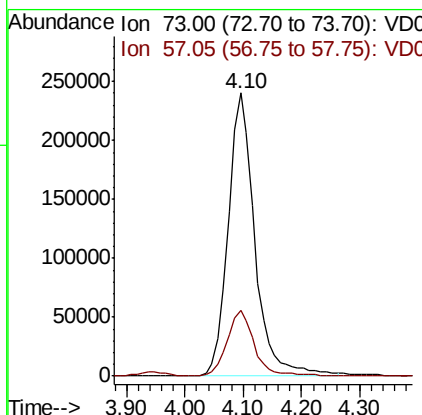
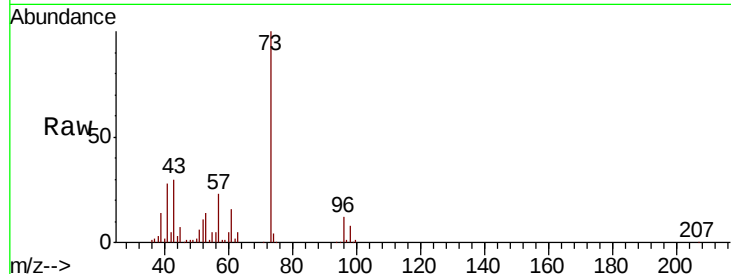
#19
Methyl tert-butyl Ether
Concen: 73.96 ug/l
RT: 4.10 min Scan# 393
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 73 Resp: 766274
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

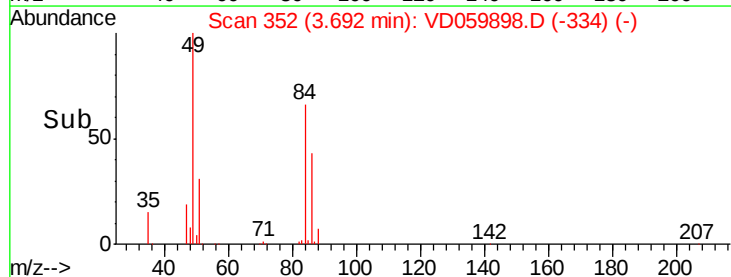
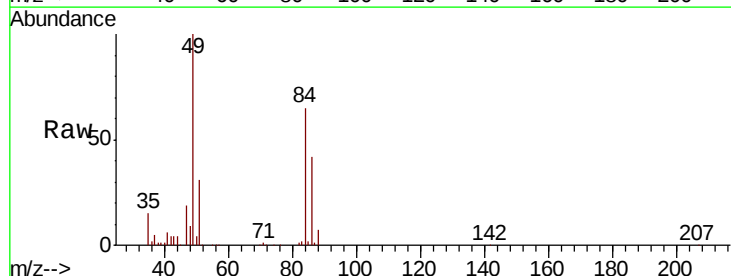
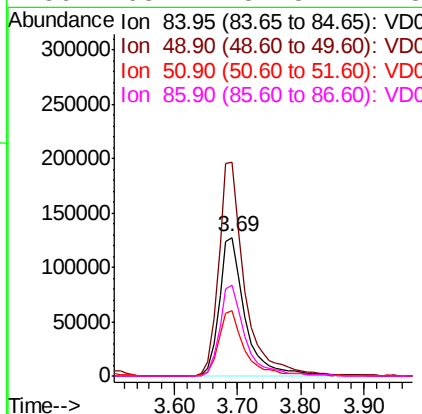
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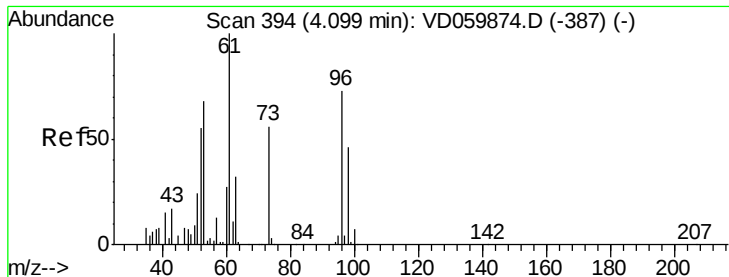
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#20
Methylene Chloride
Concen: 69.43 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 84 Resp: 364369
Ion Ratio Lower Upper
84 100
49 154.3 122.6 183.8
51 47.6 38.4 57.6
86 65.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 53.31 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

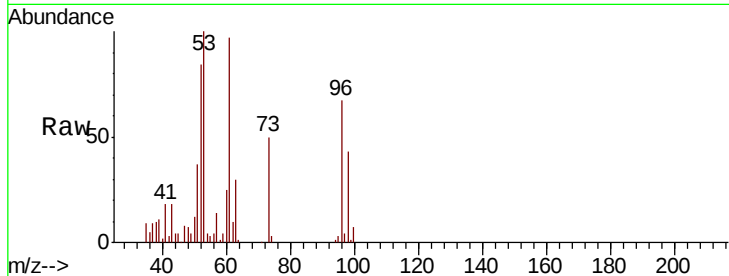
ClientSampleId :

RA-081718-WSW-20-053

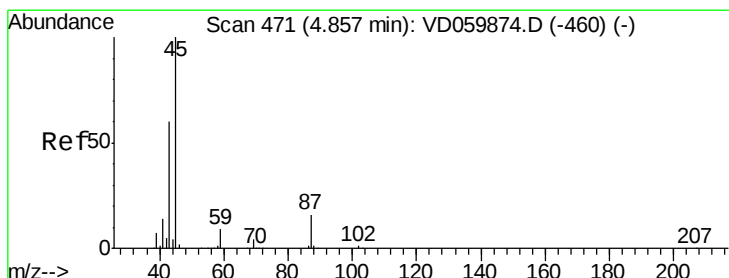
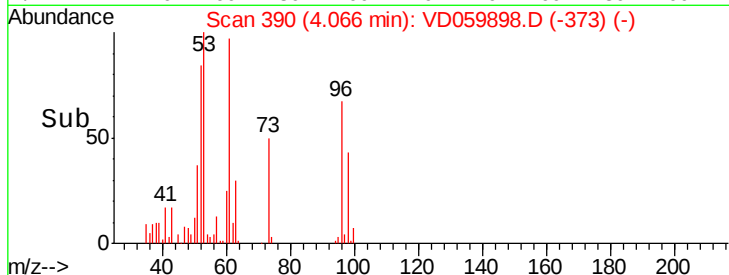
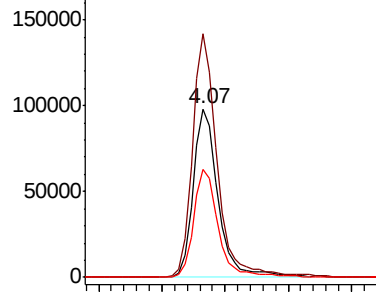
Tot Ion:	96	Resp:	269036
Ion	Ratio	Lower	Upper
96	100		
61	144.4	110.2	165.4
98	64.1	50.9	76.3

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



#22

Diisopropyl ether

Concen: 66.17 ug/l

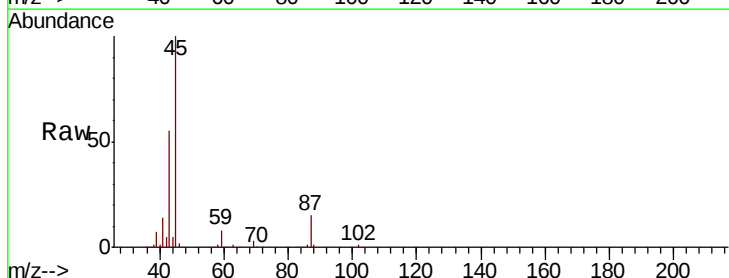
RT: 4.82 min Scan# 467

Delta R.T. -0.03 min

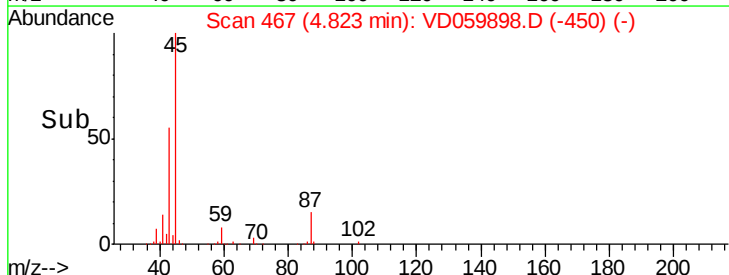
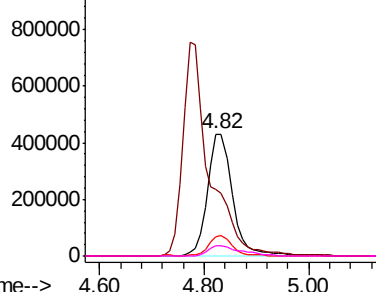
Lab File: VD059898.D

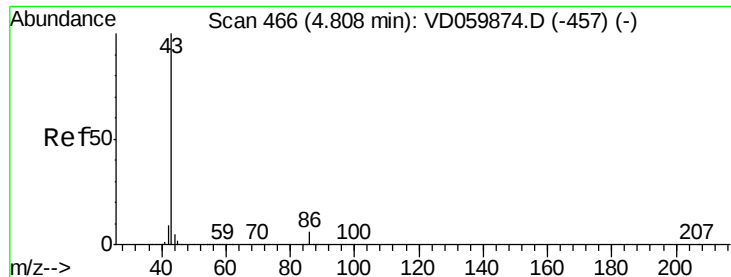
Acq: 23 Aug 2018 19:55

Tgt Ion:	45	Resp:	1398389
Ion	Ratio	Lower	Upper
45	100		
43	54.8	48.6	72.8
87	15.3	13.3	19.9
59	8.1	7.1	10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 222.80 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 43 Resp: 2631895

Ion Ratio Lower Upper

43 100

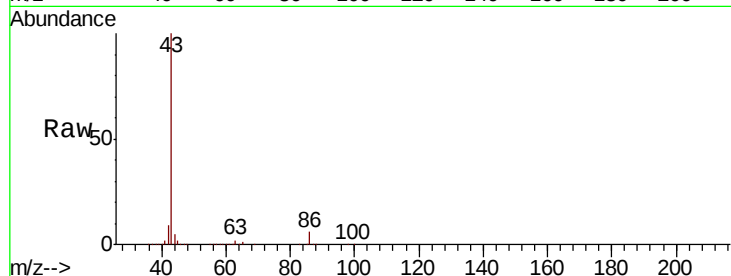
86 5.9 5.0 7.6

Manual Integrations

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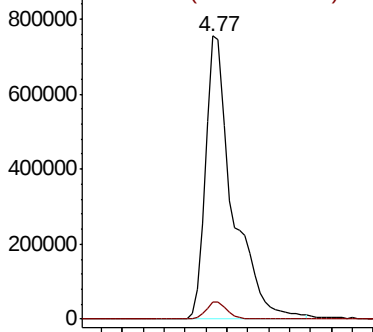
MMDadoda

8/24/2018 3:09:48 PM

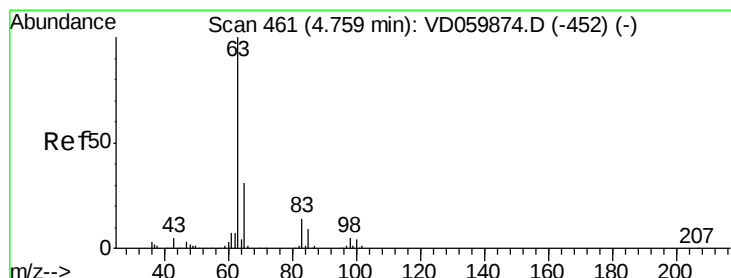
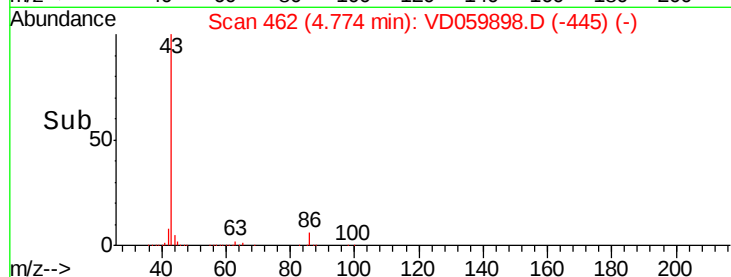


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 59.30 ug/l

RT: 4.72 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

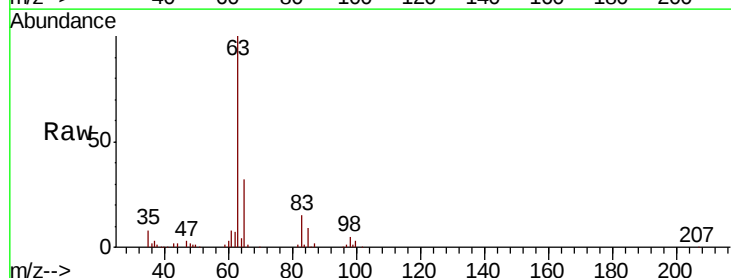
Tgt Ion: 63 Resp: 541387

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

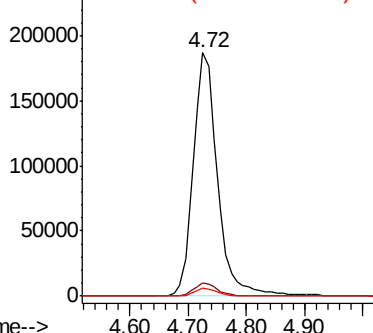
100 3.2 1.8 5.3



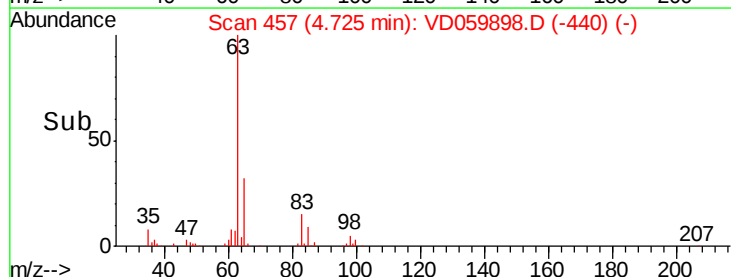
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





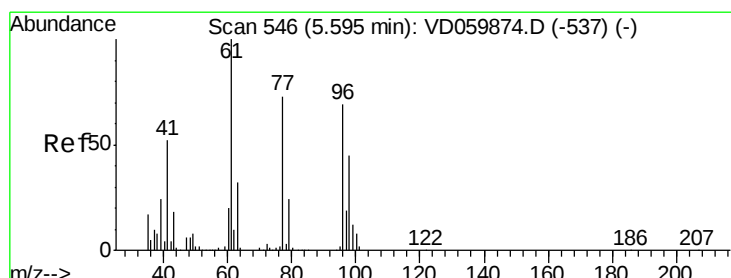
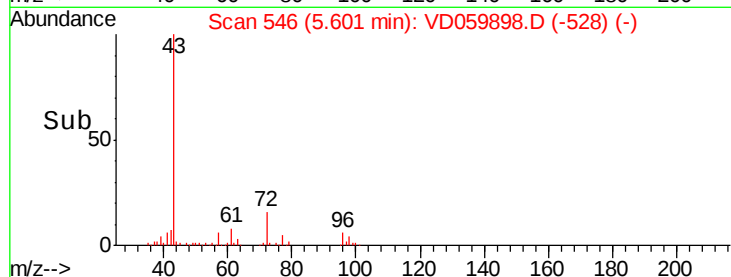
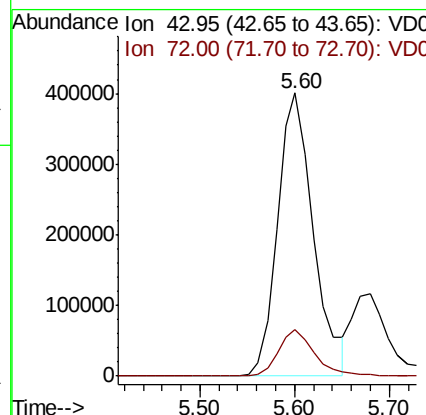
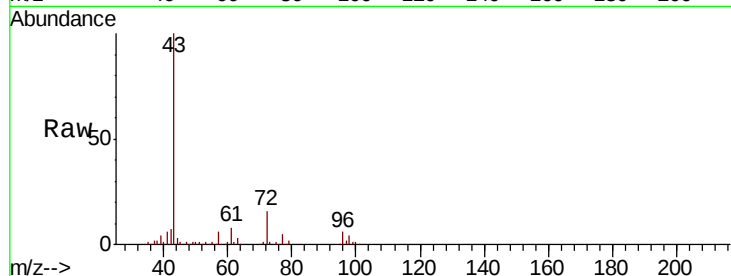
#25
2-Butanone
Concen: 439.44 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 1045192
Ion Ratio Lower Upper
43 100
72 16.3 12.3 18.5

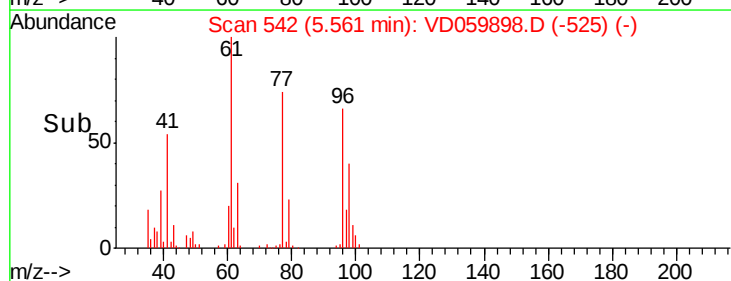
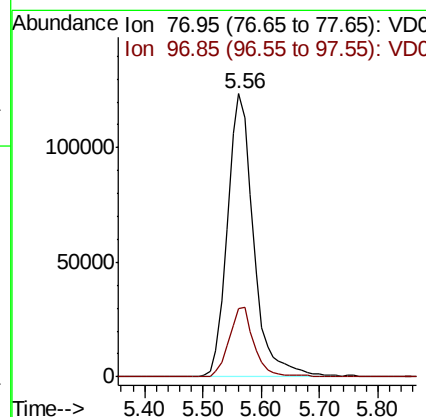
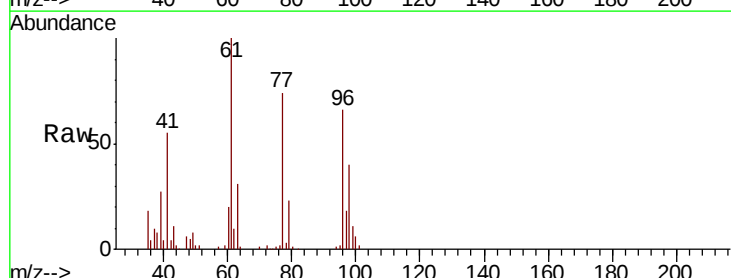
Manual Integrations
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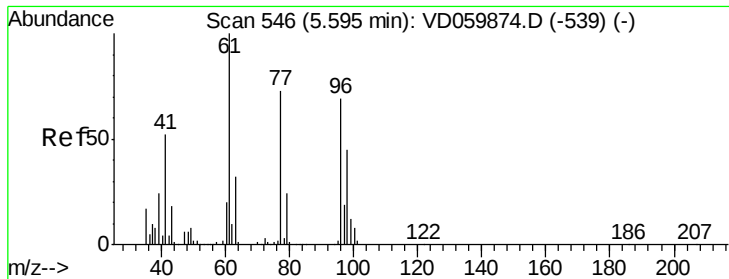
MMDadoda
8/24/2018 3:09:48 PM



#26
2,2-Dichloropropane
Concen: 50.56 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.03 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 77 Resp: 385886
Ion Ratio Lower Upper
77 100
97 24.0 13.0 38.9





#27

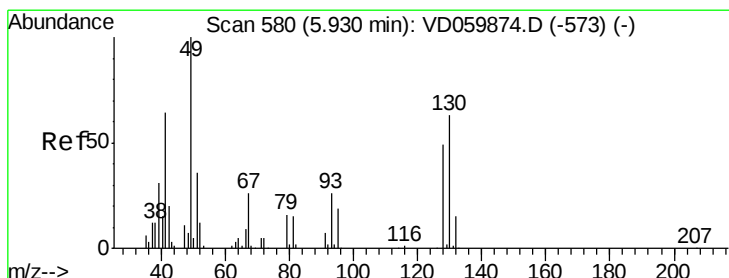
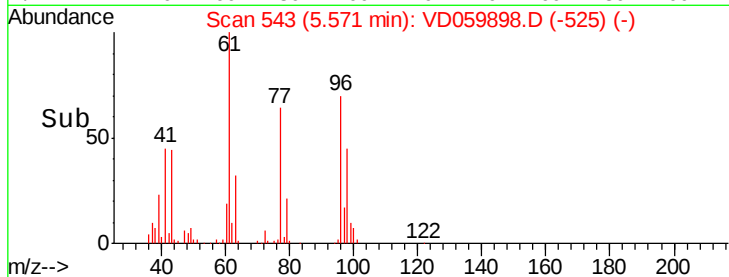
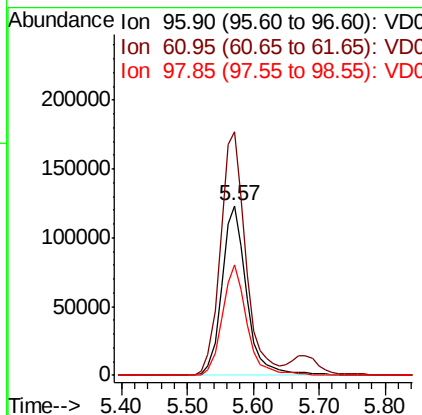
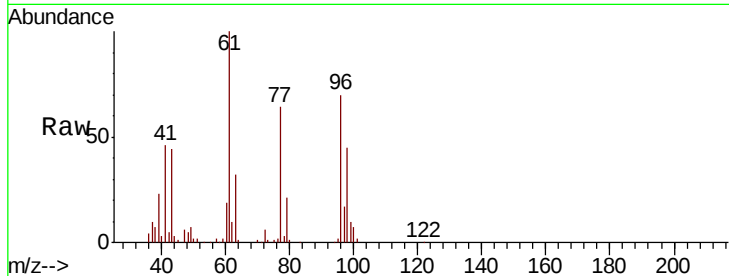
cis-1,2-Dichloroethene
Concen: 58.62 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.2	0.0	290.2	
98	65.0	0.0	130.4	

Manual Integrations
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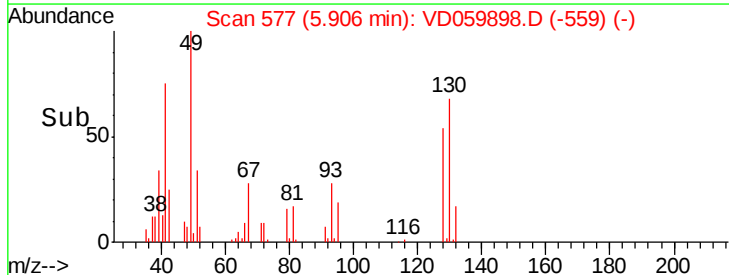
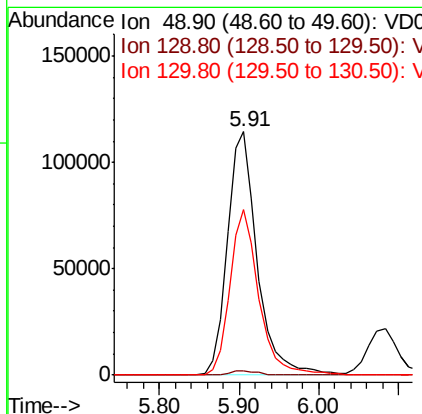
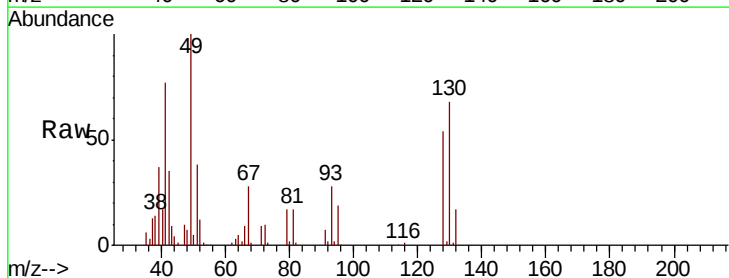
MMDadoda
8/24/2018 3:09:48 PM



#28

Bromochloromethane
Concen: 68.49 ug/l
RT: 5.91 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.2	
130	67.9	50.6	75.8	





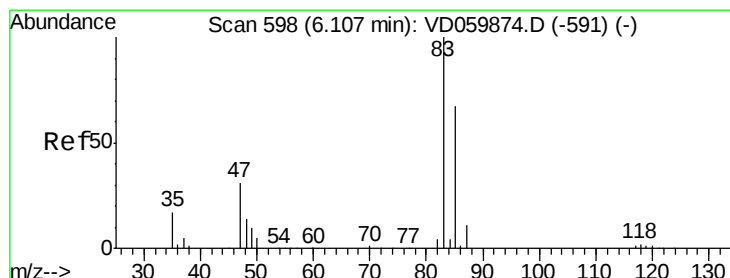
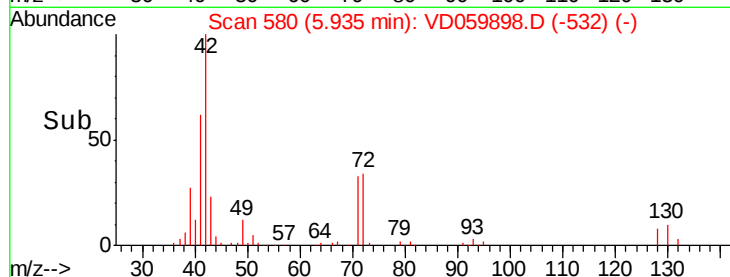
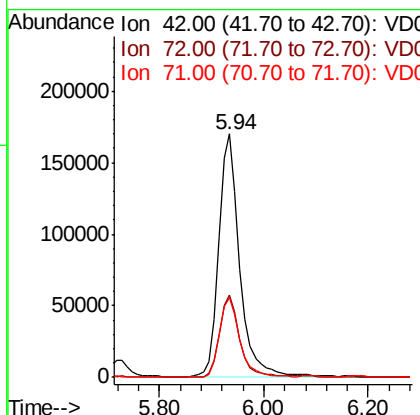
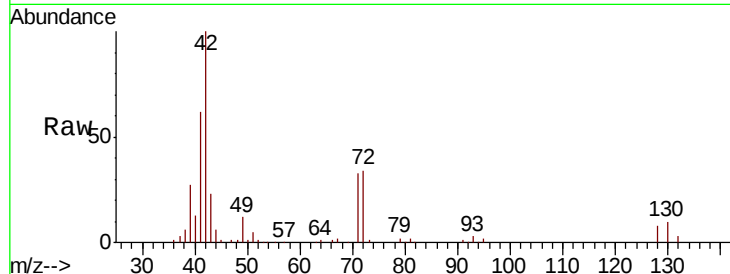
#29
Tetrahydrofuran
Concen: 412.79 ug/l
RT: 5.94 min Scan# 580
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.5	25.7	38.5
71	32.2	25.3	37.9

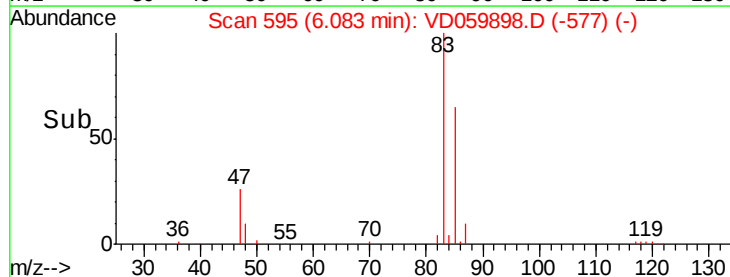
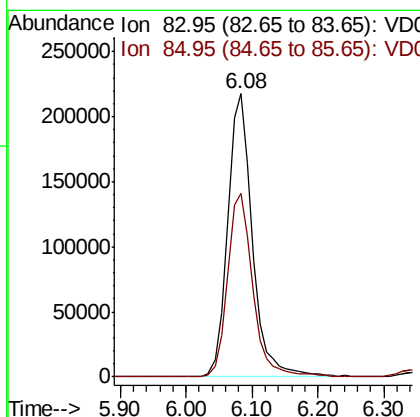
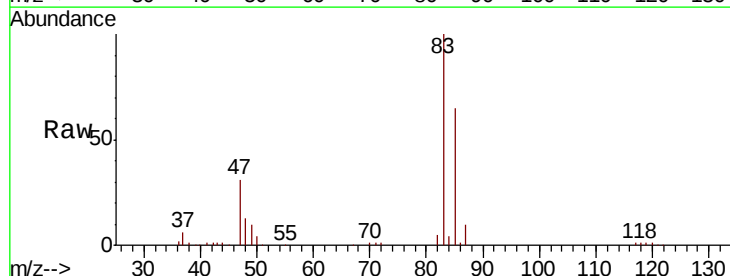
Manual Integrations
APPROVED

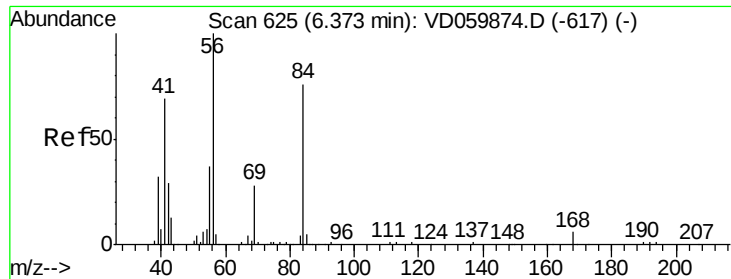
MMDadoda
8/24/2018 3:09:48 PM



#30
Chloroform
Concen: 61.68 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.5	80.3





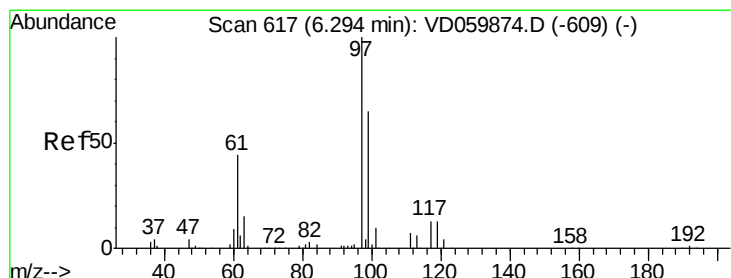
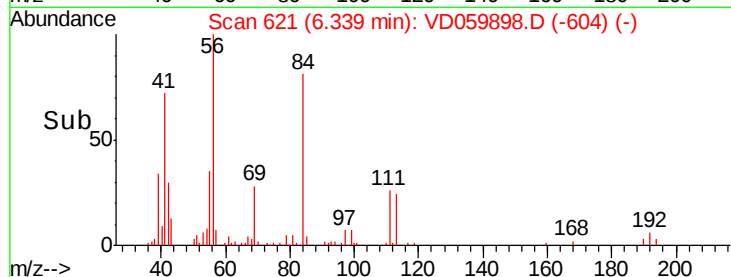
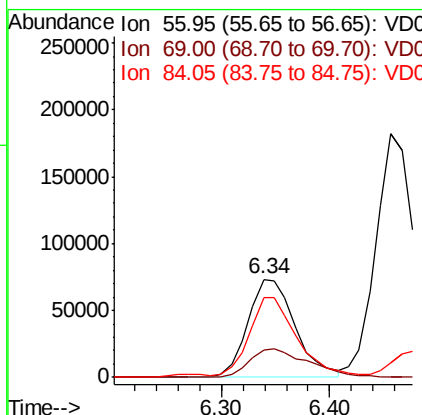
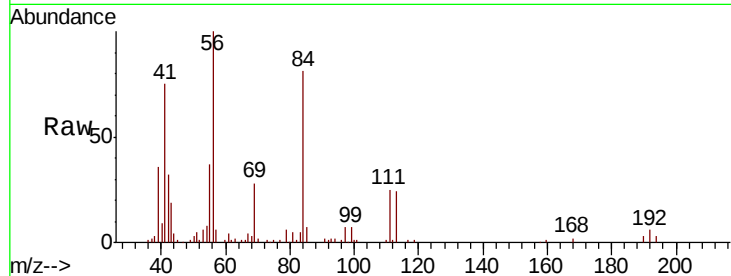
#31
Cyclohexane
Concen: 26.65 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.6	22.4	33.6
84	80.7	62.1	93.1

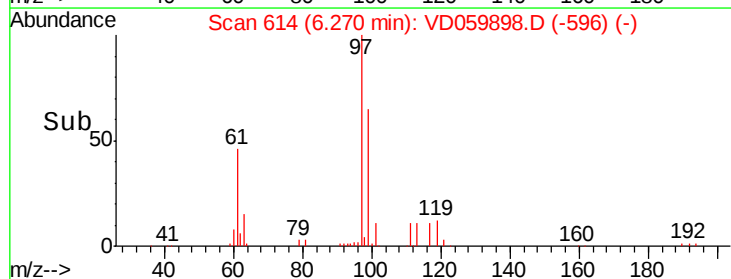
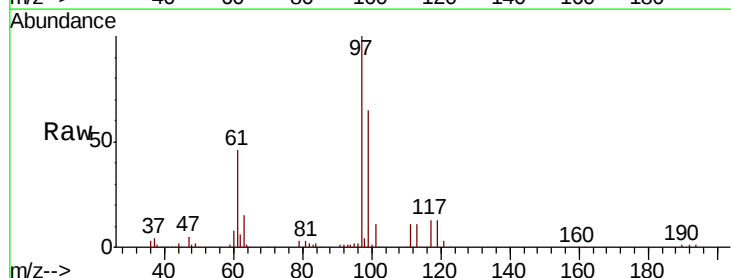
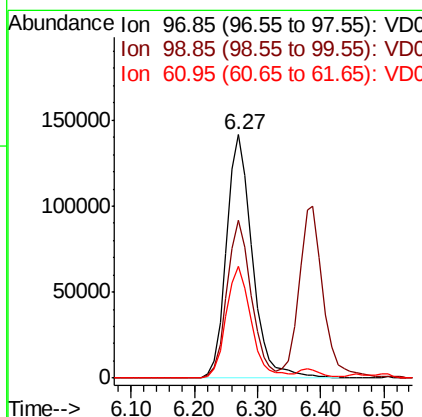
Manual Integrations
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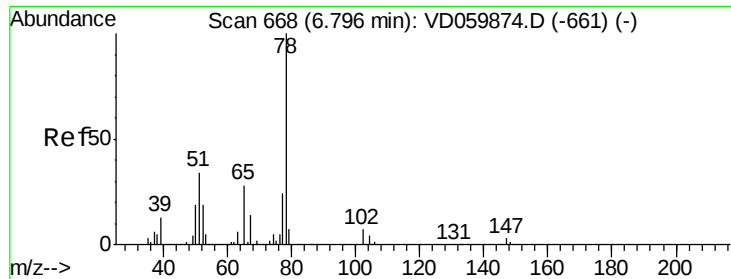
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#32
1,1,1-Trichloroethane
Concen: 50.65 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	46.0	35.4	53.2





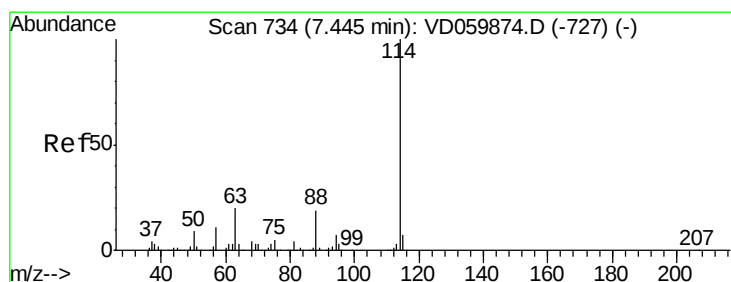
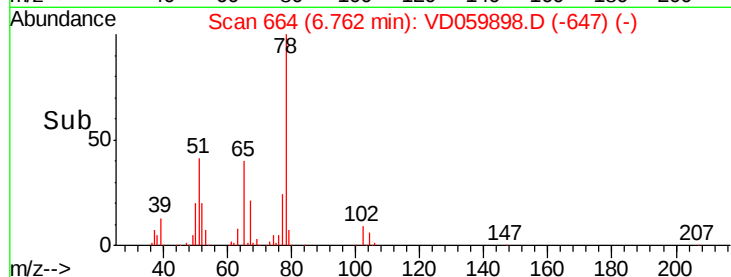
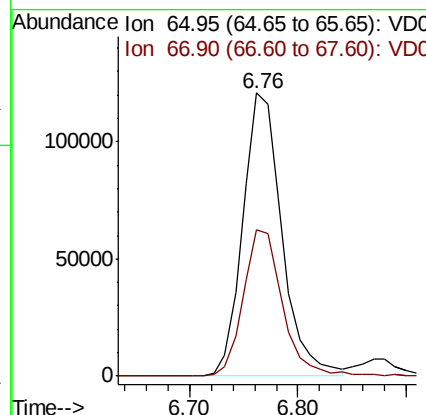
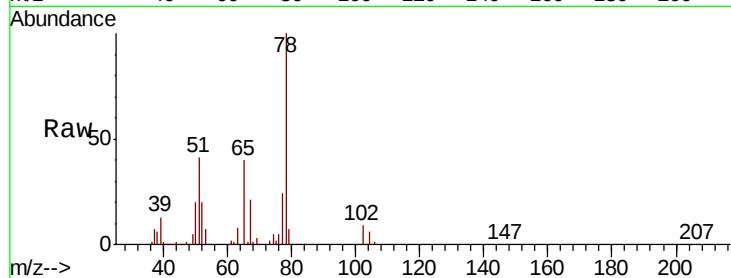
#33
 1,2-Dichloroethane-d4
 Concen: 50.65 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
65	100	303076		
67	51.7	0.0	103.8	

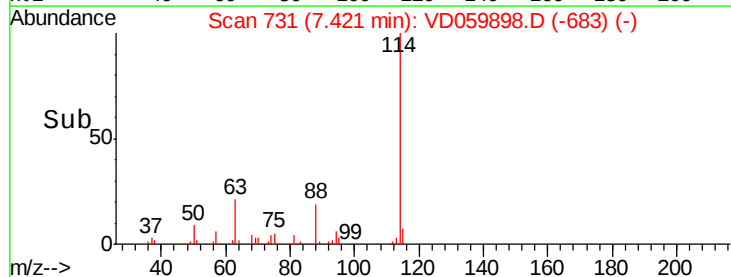
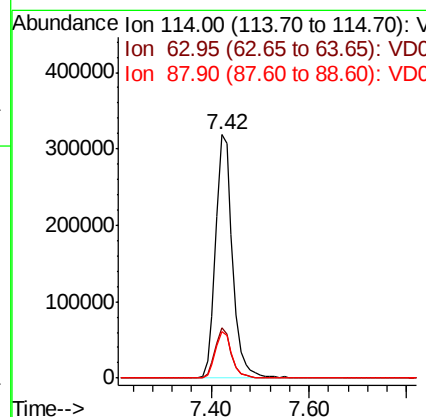
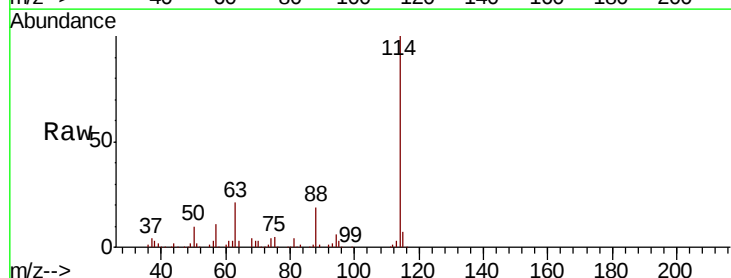
Manual Integrations
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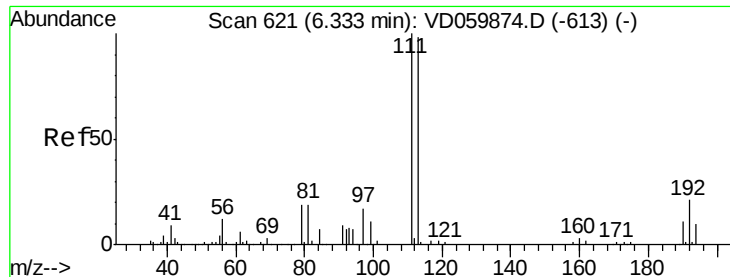
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	768992		
63	20.9	0.0	39.4	
88	19.3	0.0	37.6	





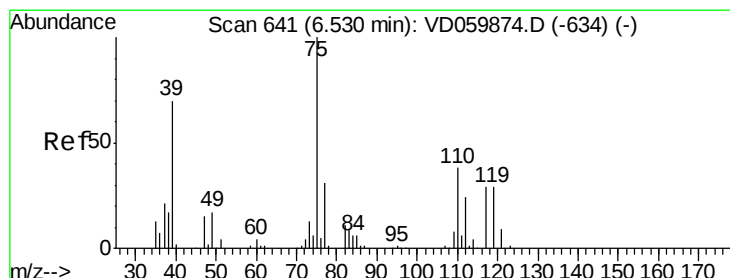
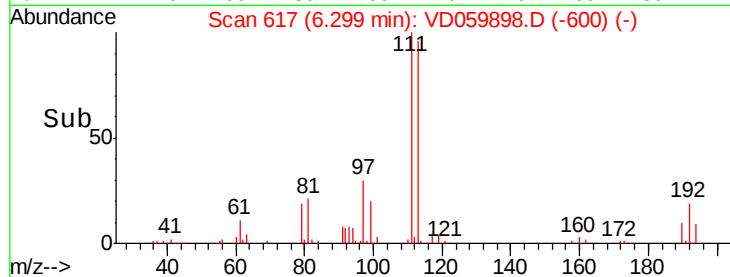
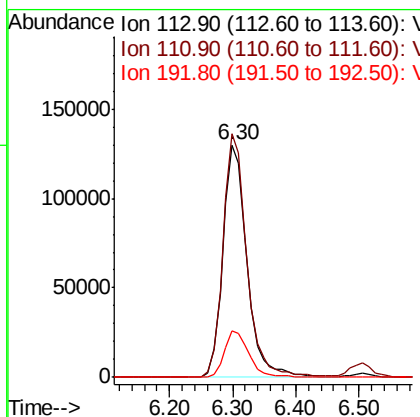
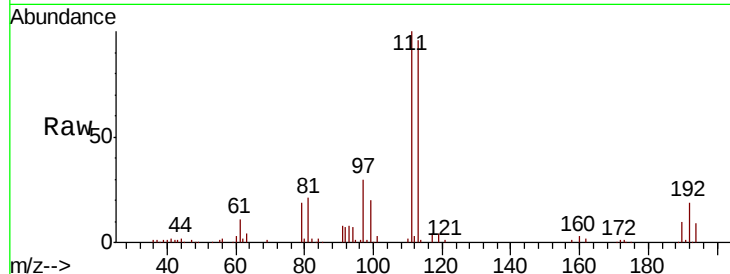
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
113	100	343241		
111	104.7	81.4	122.2	
192	19.9	17.0	25.6	

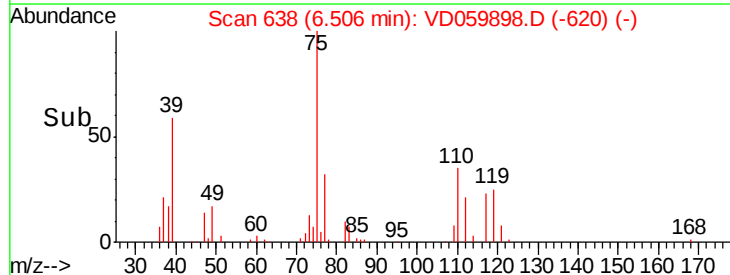
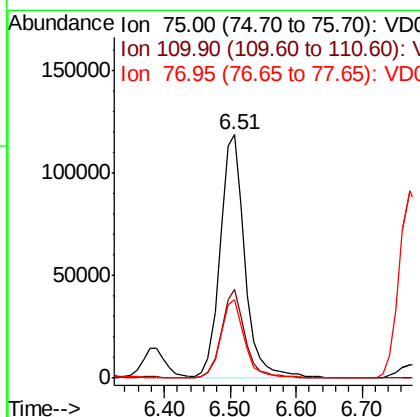
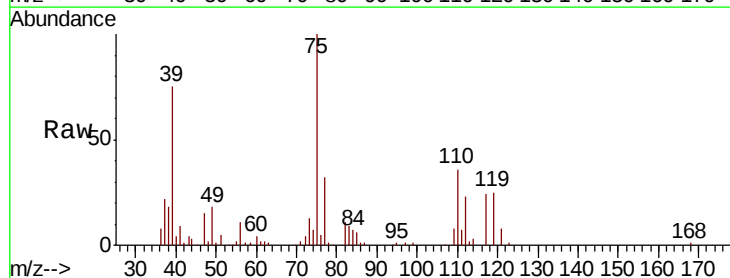
Manual Integrations
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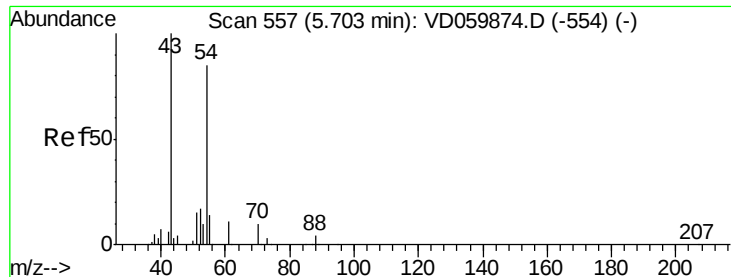
MMDadoda
 8/24/2018 3:09:48 PM



#36
 1,1-Dichloropropene
 Concen: 44.57 ug/l
 RT: 6.51 min Scan# 638
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	310693		
110	36.2	18.6	56.0	
77	32.4	25.1	37.7	





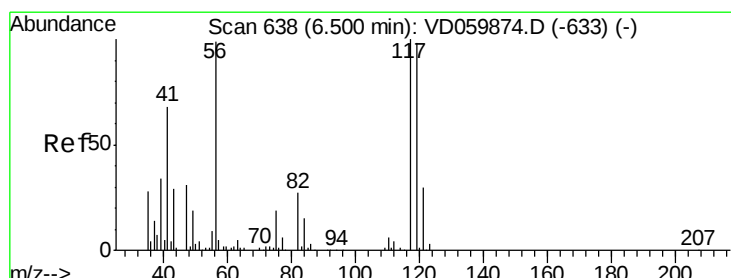
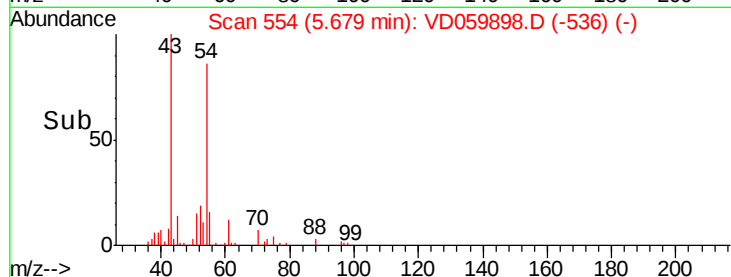
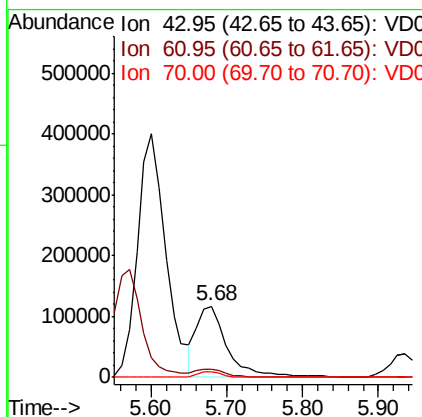
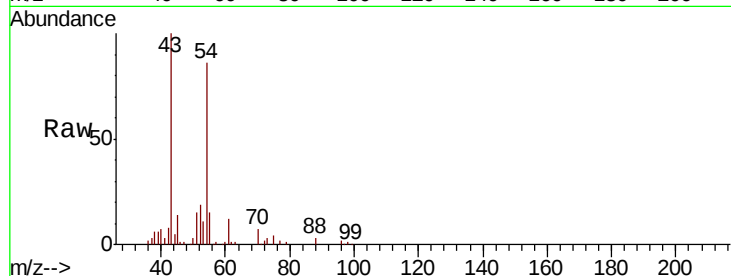
#37
Ethyl Acetate
Concen: 58.38 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.0	16.6
70	7.1	5.7	8.5

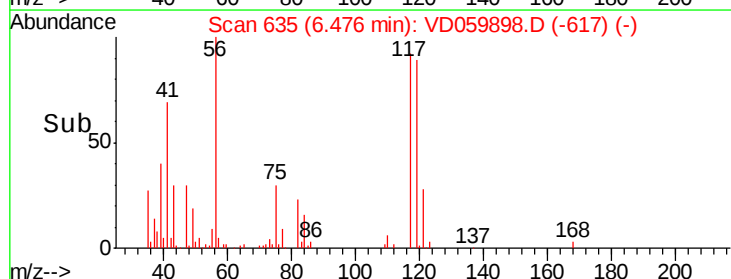
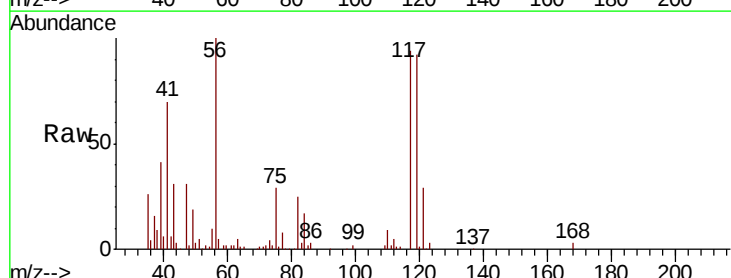
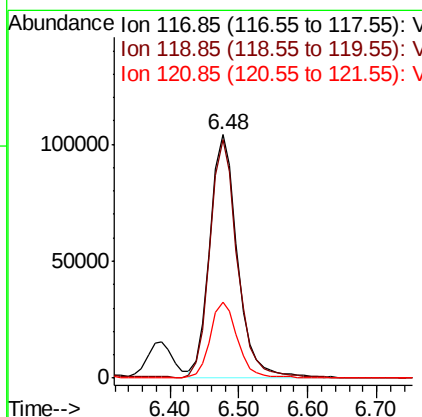
Manual Integrations
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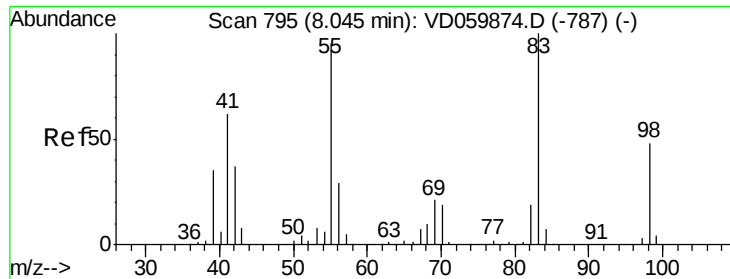
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#38
Carbon Tetrachloride
Concen: 41.52 ug/l
RT: 6.48 min Scan# 635
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.2	115.8
121	31.2	24.0	36.0





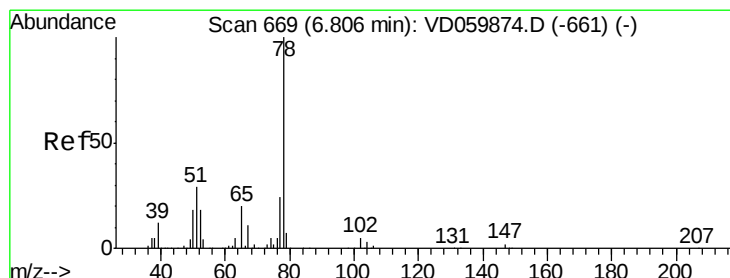
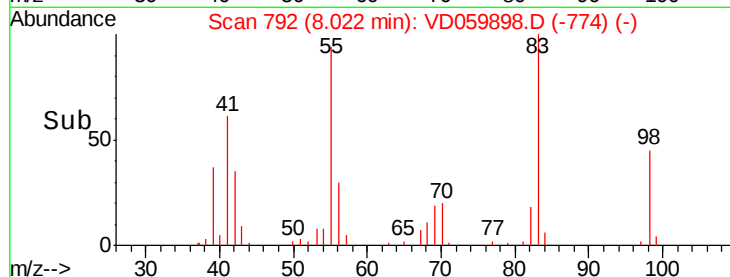
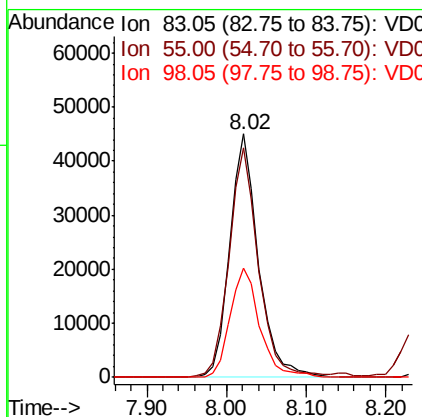
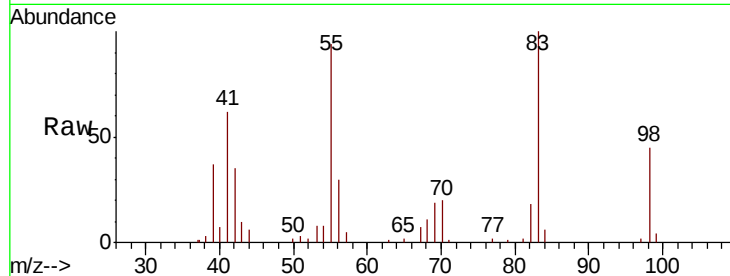
#39
Methvlcvclohexane
Concen: 15.00 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.4	75.8	113.6
98	44.7	38.3	57.5

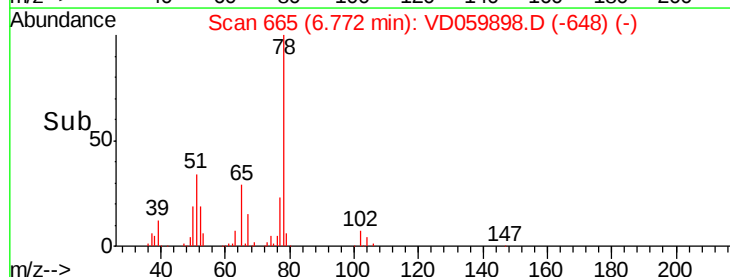
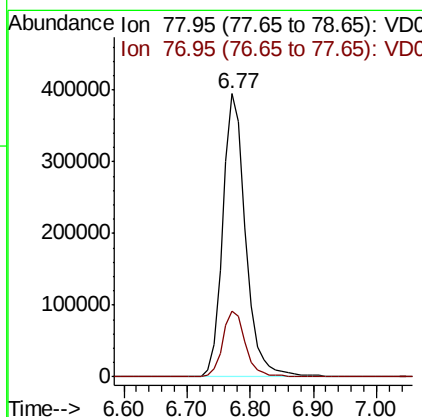
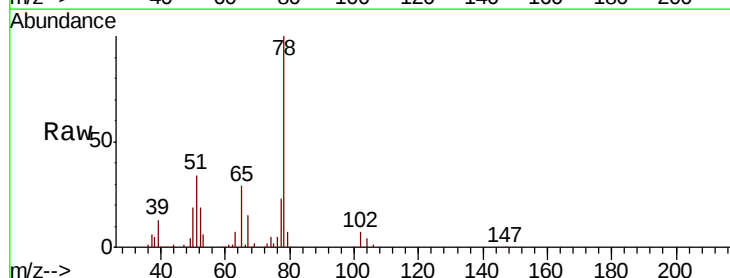
Manual Integrations
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#40
Benzene
Concen: 54.89 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





#41

Methacrylonitrile

Concen: 67.21 ug/l m

RT: 5.90 min Scan# 576

Delta R.T. -0.04 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 41 Resp: 183651

Ion Ratio Lower Upper

41 100

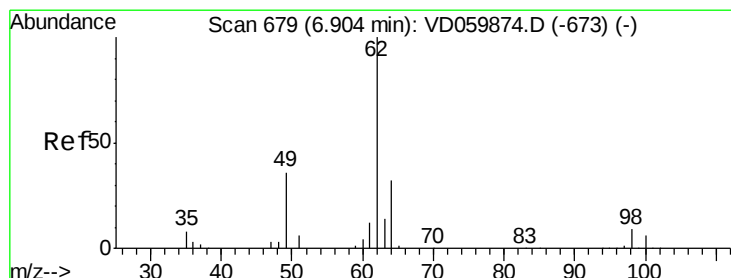
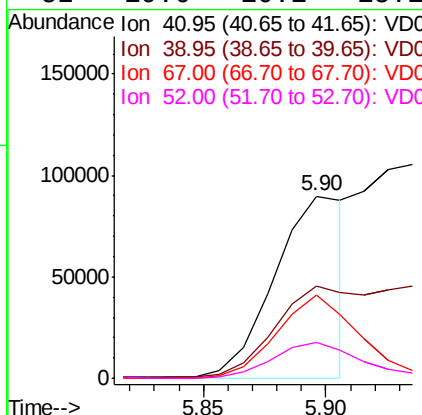
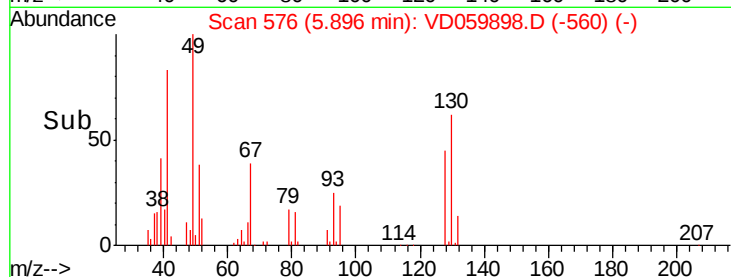
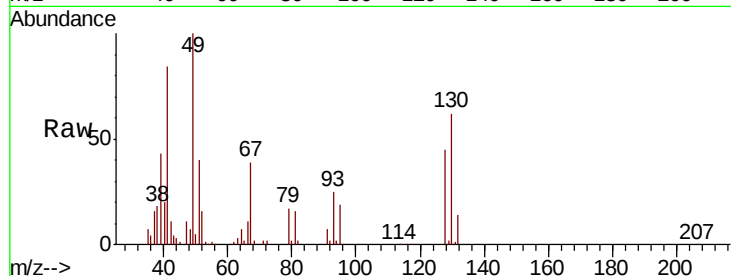
39 50.5 39.4 59.2

67 45.8 22.2 33.2#

52 19.6 10.1 15.1#

Manual Integrations
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8/24/2018 3:09:48 PM



#42

1,2-Dichloroethane

Concen: 65.97 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.02 min

Lab File: VD059898.D

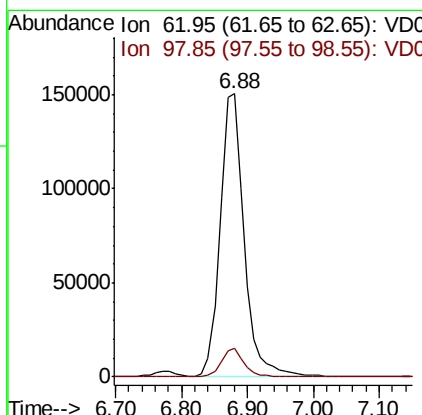
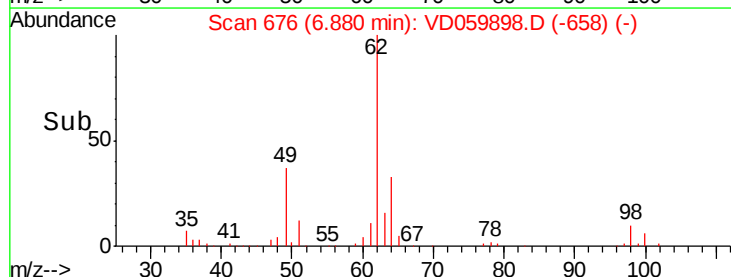
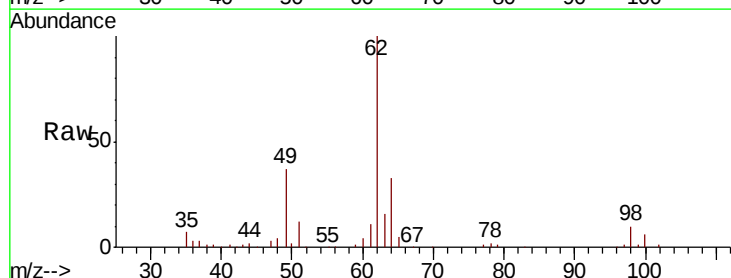
Acq: 23 Aug 2018 19:55

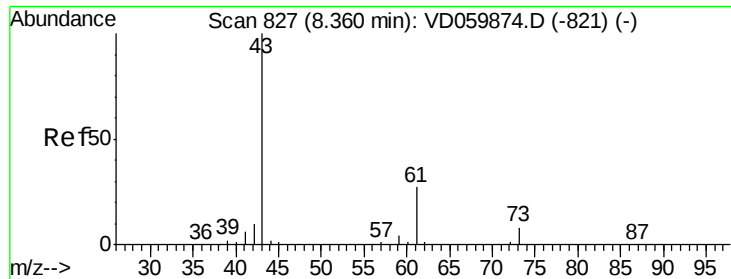
Tgt Ion: 62 Resp: 383890

Ion Ratio Lower Upper

62 100

98 10.1 0.0 18.4





#43

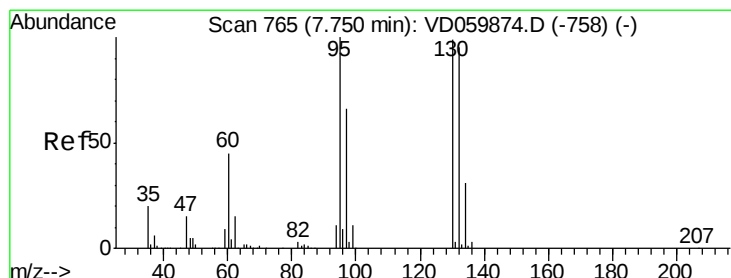
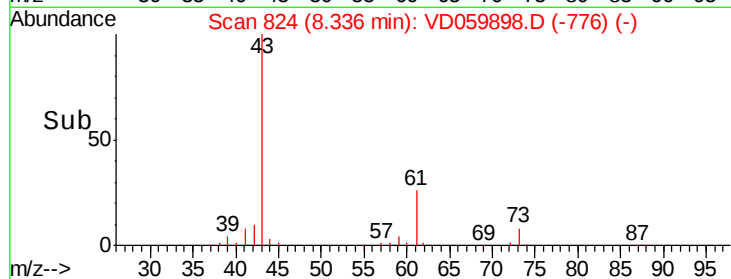
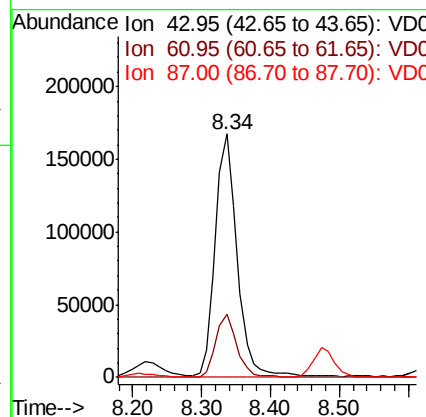
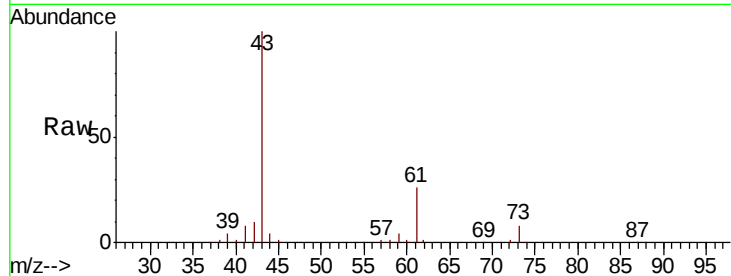
Isopropyl Acetate
 Concen: 51.99 ug/l
 RT: 8.34 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	21.4	32.2
87	0.4	0.2	0.4

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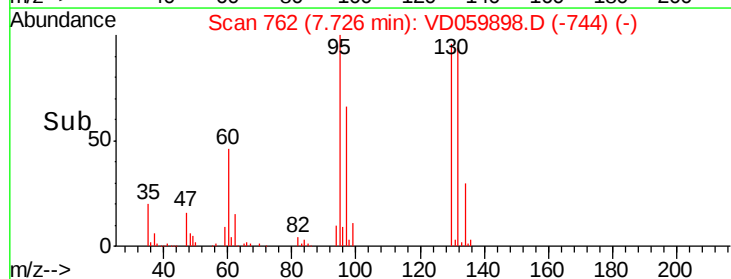
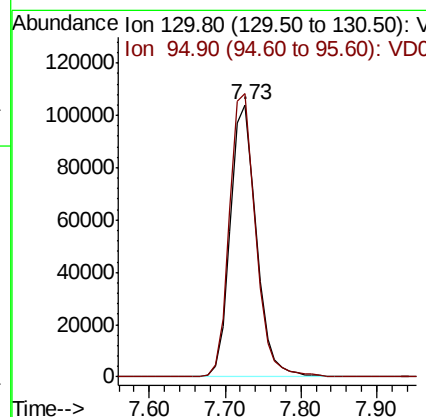
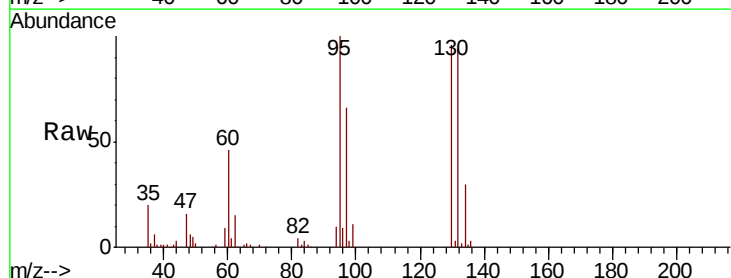
MMDadoda
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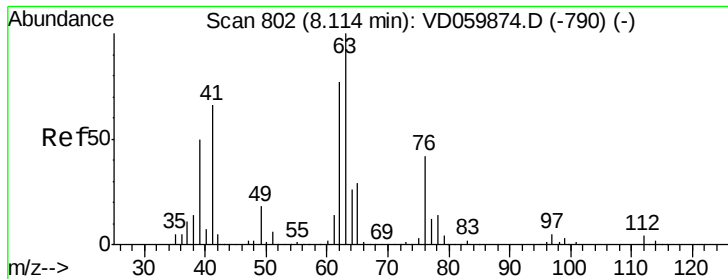


#44

Trichloroethene
 Concen: 46.50 ug/l
 RT: 7.73 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	202.0





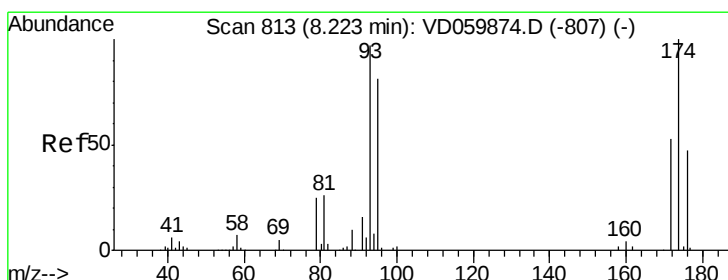
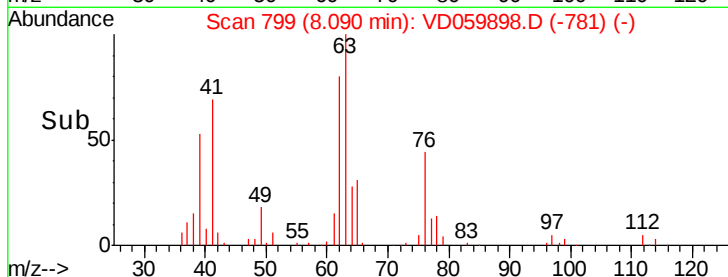
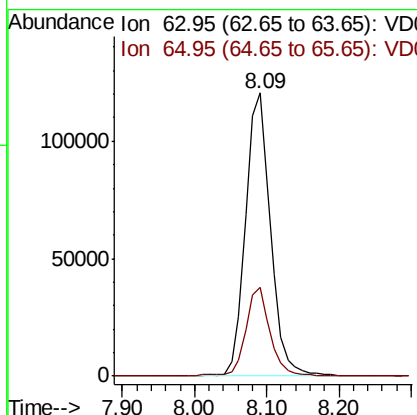
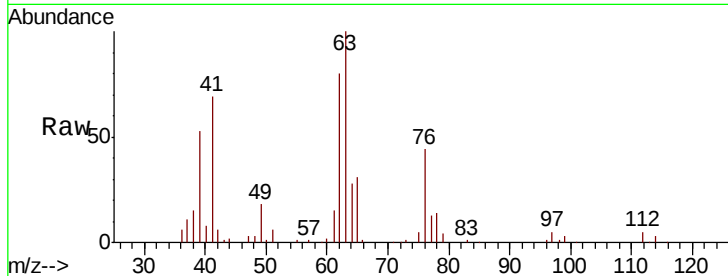
#45
 1,2-Dichloropropane
 Concen: 57.83 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.5	35.3

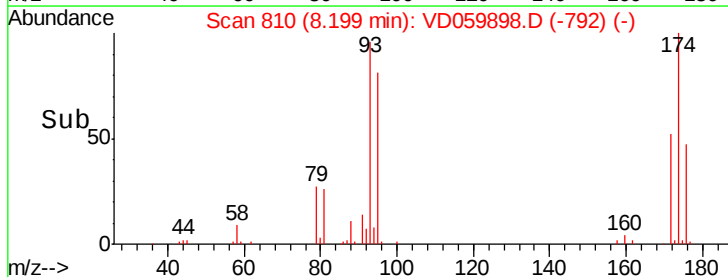
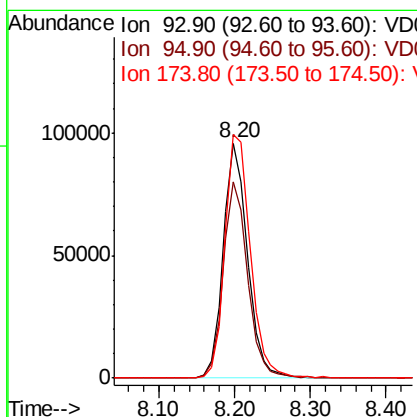
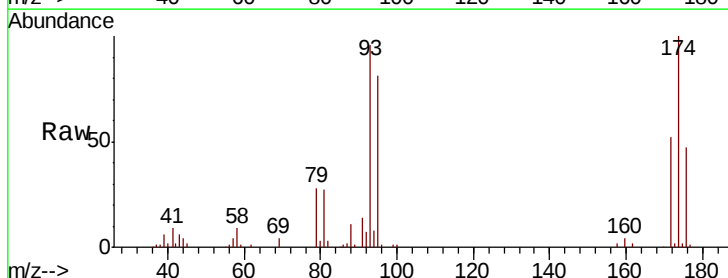
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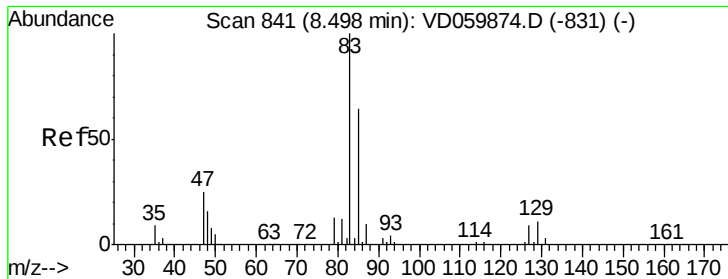
MMDadoda
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#46
 Dibromomethane
 Concen: 65.40 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	66.6	100.0
174	103.6	82.4	123.6





#47

Bromodichloromethane

Concen: 59.65 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

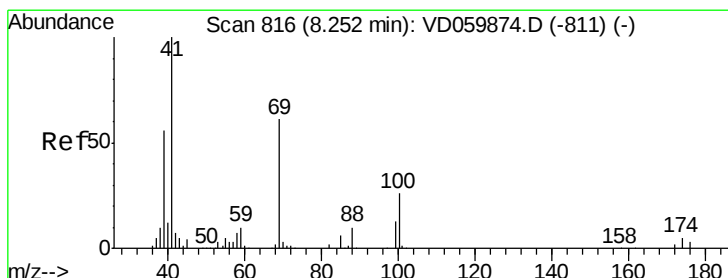
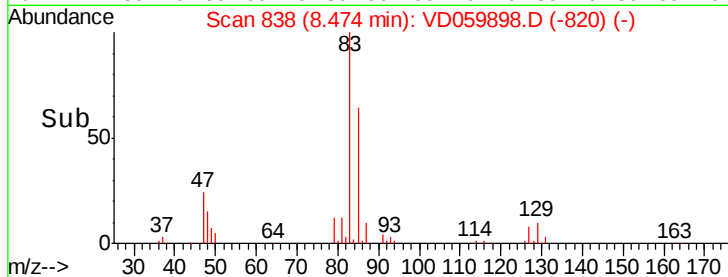
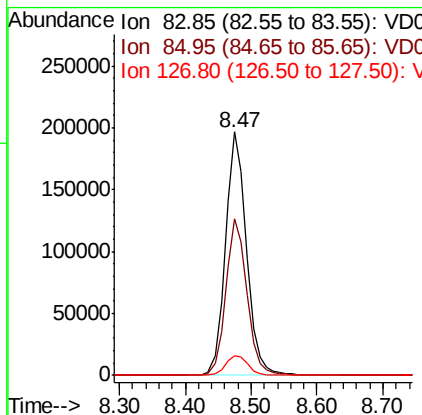
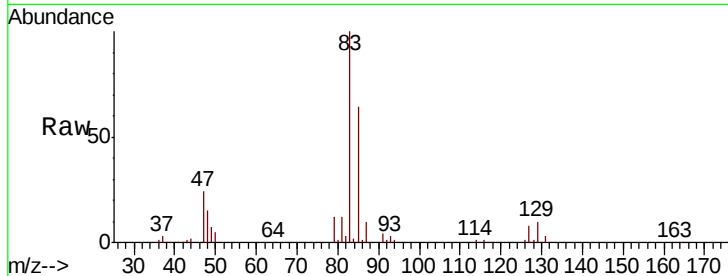
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	83	Resp:	439902
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.3	76.9
127	8.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 76.22 ug/l

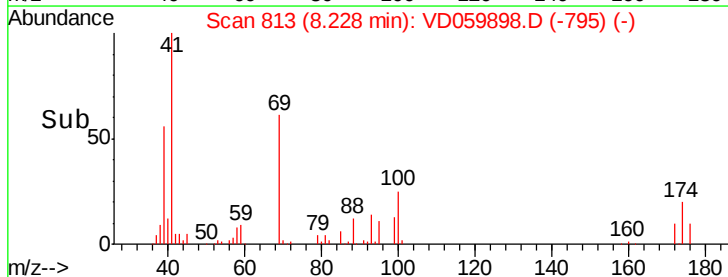
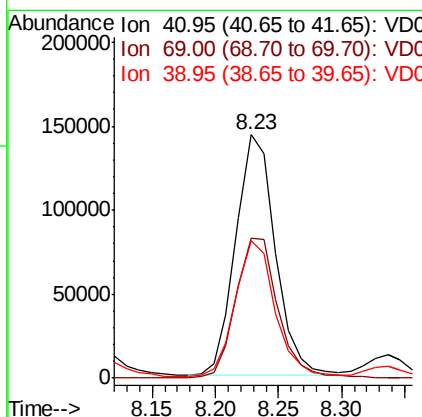
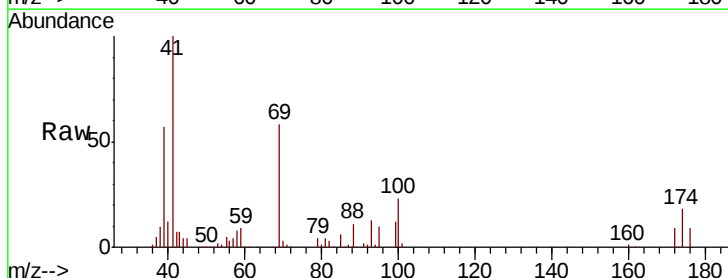
RT: 8.23 min Scan# 813

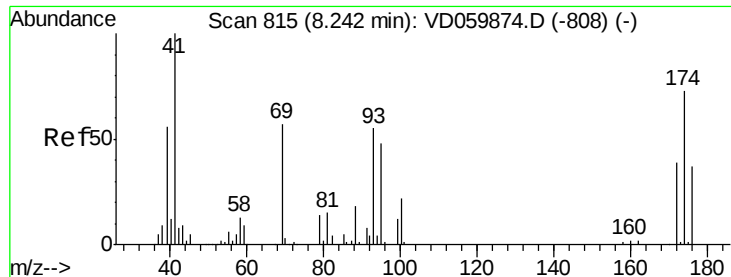
Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion:	41	Resp:	313550
Ion	Ratio	Lower	Upper
41	100		
69	57.6	48.0	72.0
39	56.7	45.4	68.0





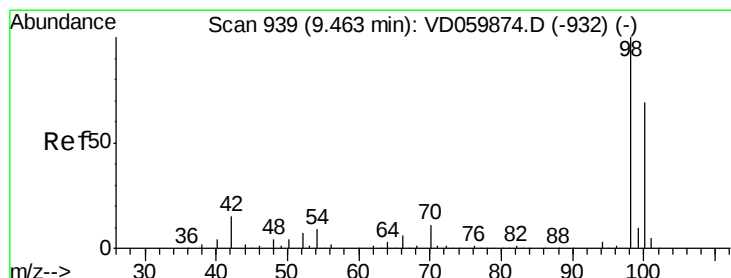
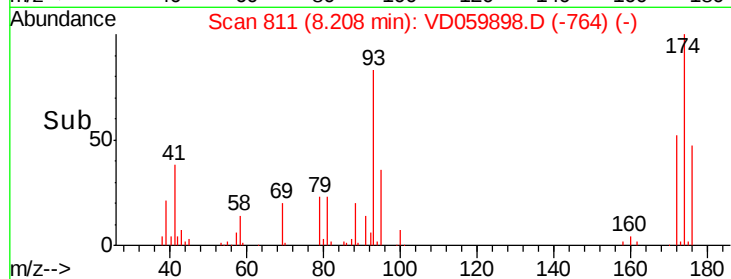
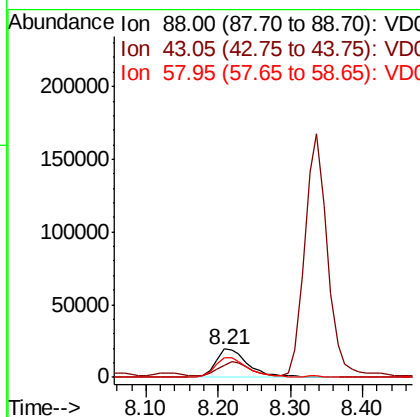
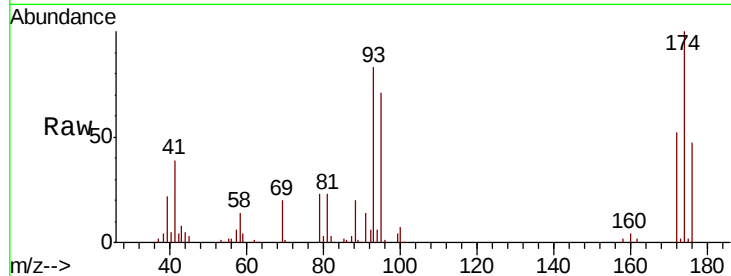
#49
 1,4-Dioxane
 Concen: 1630.41 ug/l
 RT: 8.21 min Scan# 811
 Delta R.T. -0.03 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.3	45.0	67.6#
58	71.1	55.8	83.8

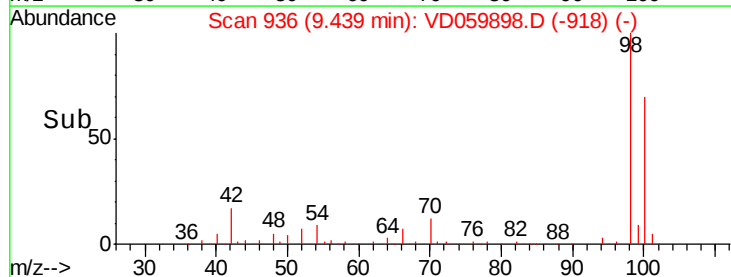
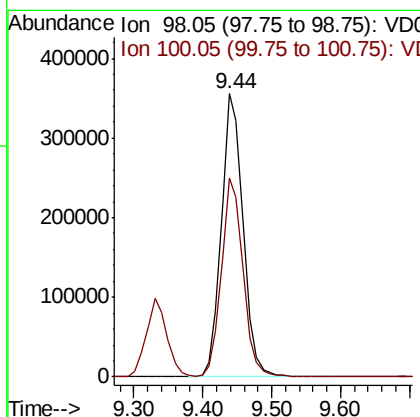
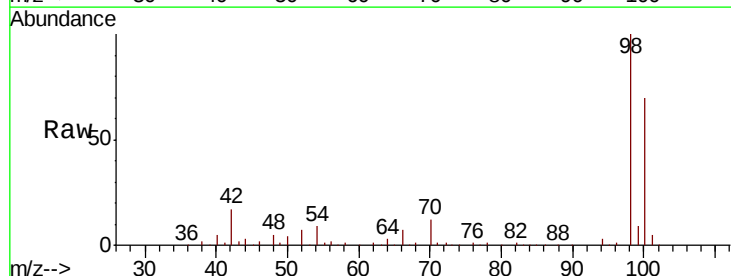
Manual Integrations
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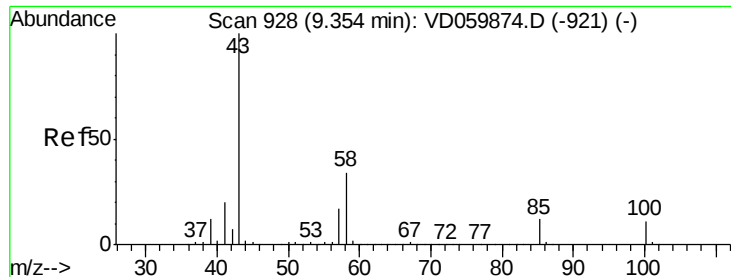
MMDadoda
 8/24/2018 3:09:48 PM



#50
 Toluene-d8
 Concen: 1630.41 ug/l
 RT: 9.44 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.1	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 413.35 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 43 Resp: 2174742

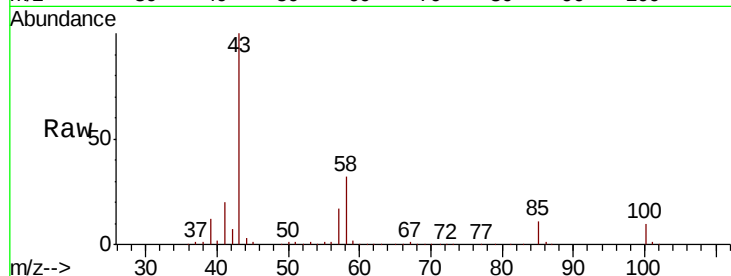
Ion Ratio Lower Upper

43 100

58 32.0 27.0 40.4

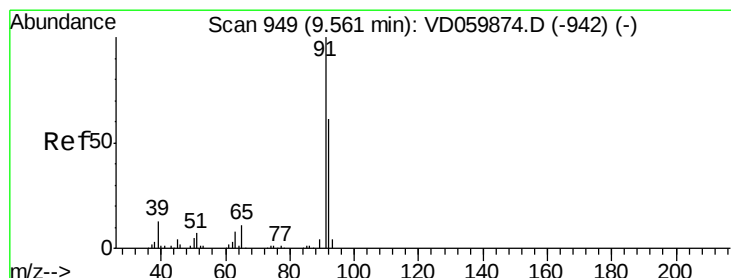
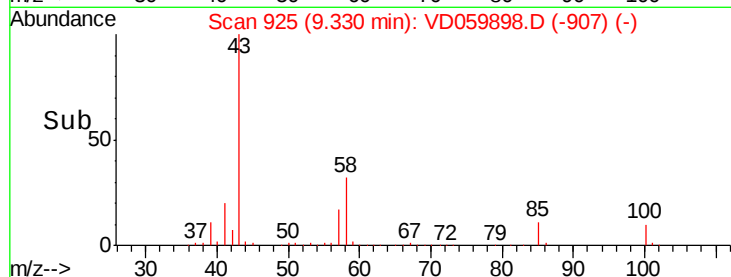
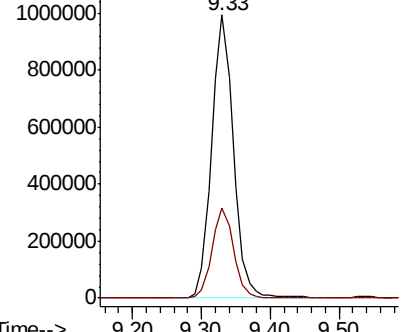
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.63 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059898.D

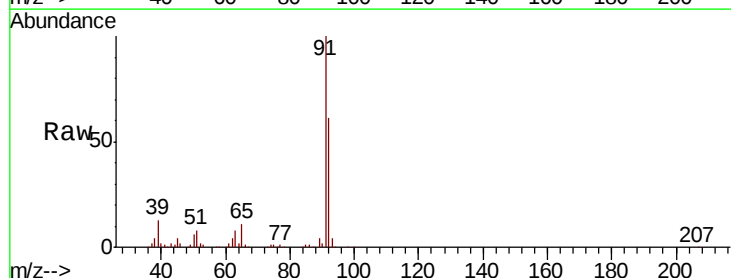
Acq: 23 Aug 2018 19:55

Tgt Ion: 92 Resp: 565271

Ion Ratio Lower Upper

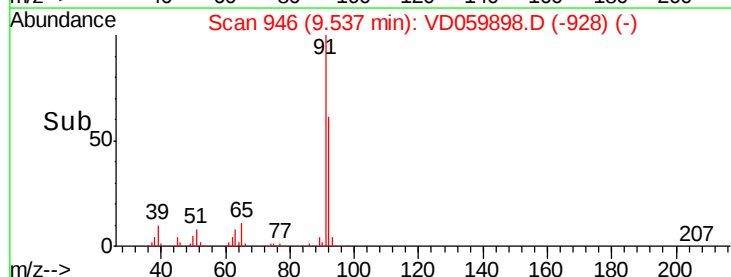
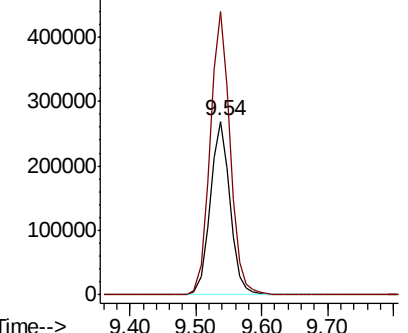
92 100

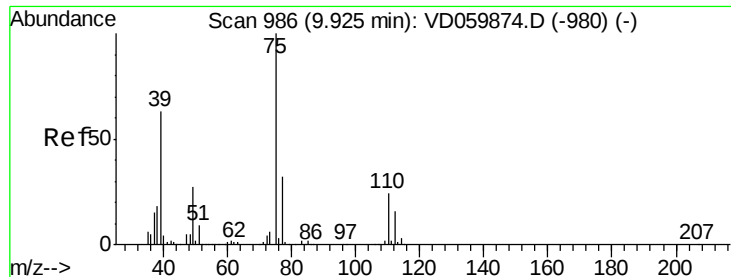
91 163.1 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





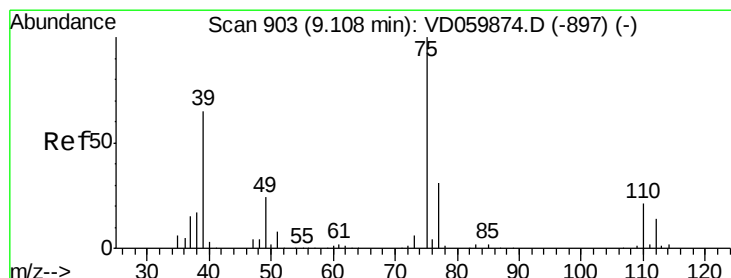
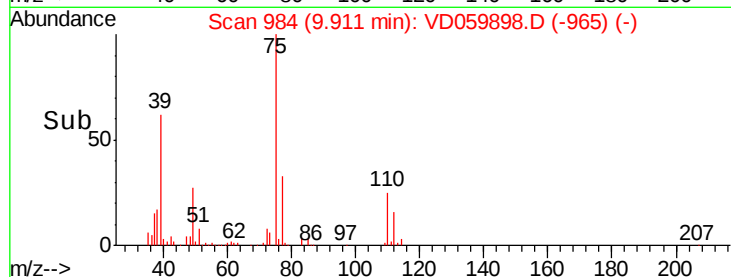
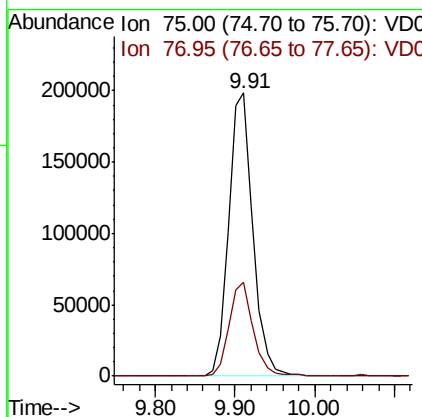
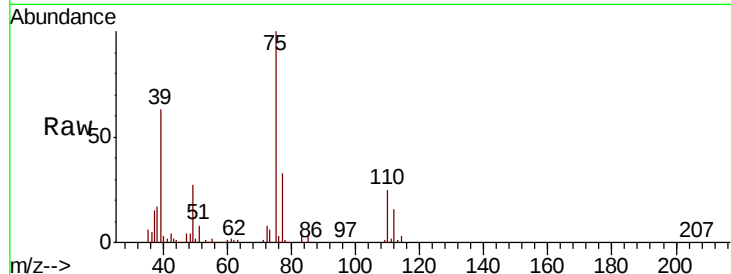
#53
t-1,3-Dichloropropene
Concen: 61.70 ug/l
RT: 9.91 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 75 Resp: 420902
Ion Ratio Lower Upper
75 100
77 33.1 25.4 38.2

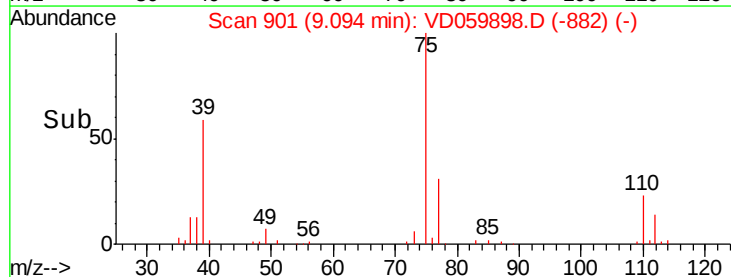
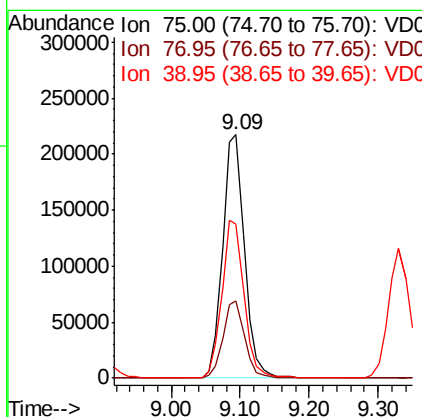
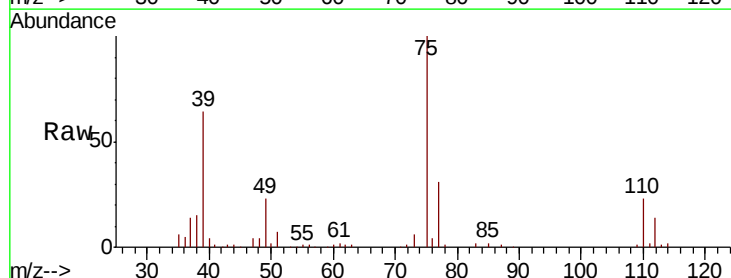
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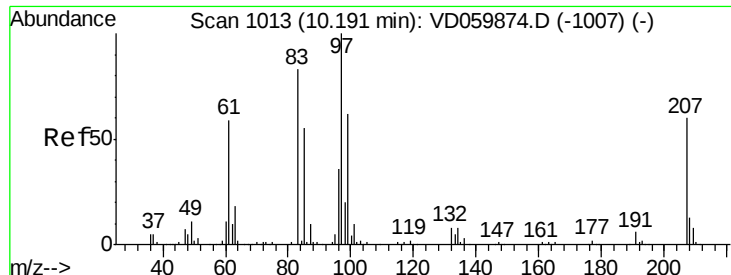
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#54
cis-1,3-Dichloropropene
Concen: 60.26 ug/l
RT: 9.09 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 75 Resp: 476602
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 63.5 52.1 78.1





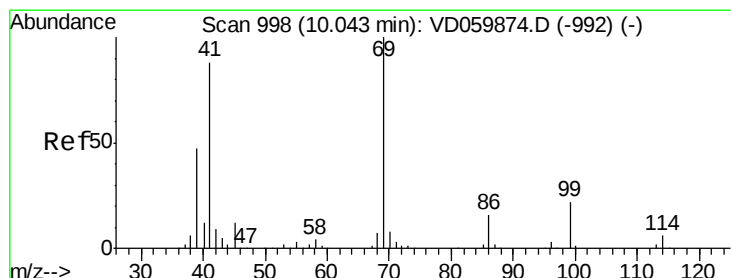
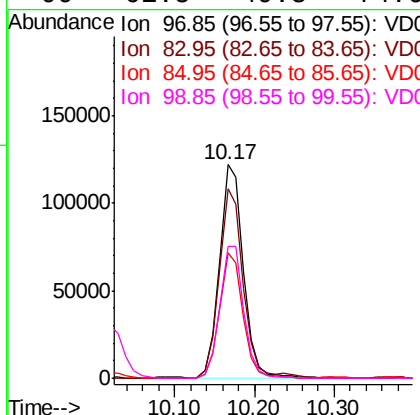
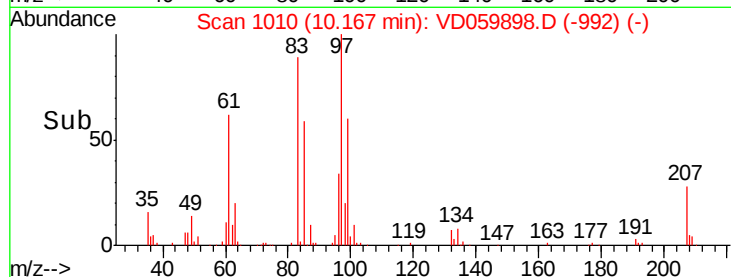
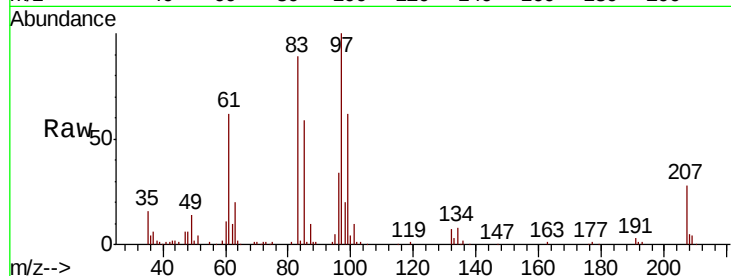
#55
 1,1,2-Trichloroethane
 Concen: 60.94 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		258924		
83	88.8	66.7	100.1		
85	58.9	43.8	65.6		
99	61.5	49.8	74.6		

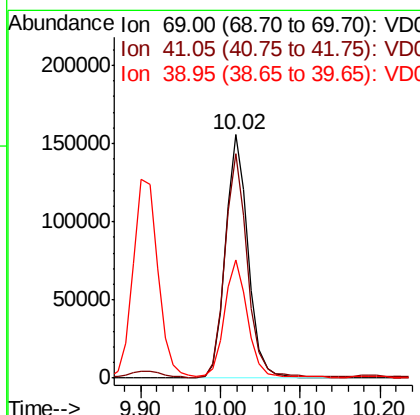
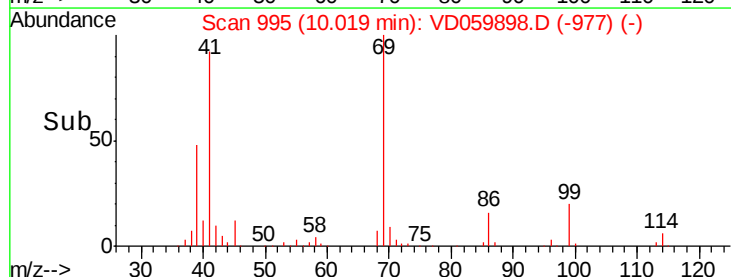
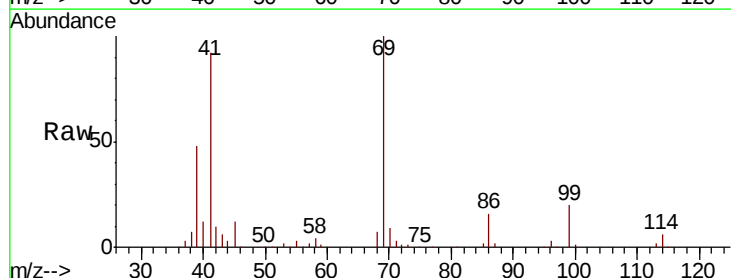
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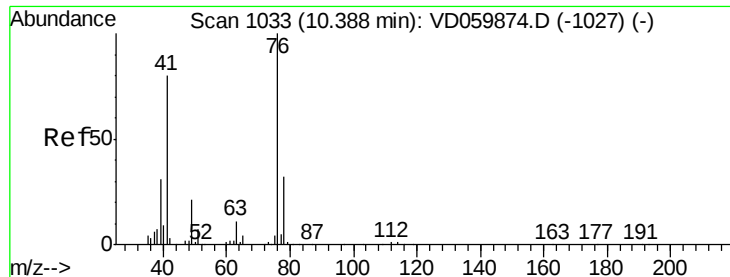
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#56
 Ethyl methacrylate
 Concen: 63.37 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		310732		
41	92.4	71.0	106.4		
39	48.5	38.5	57.7		





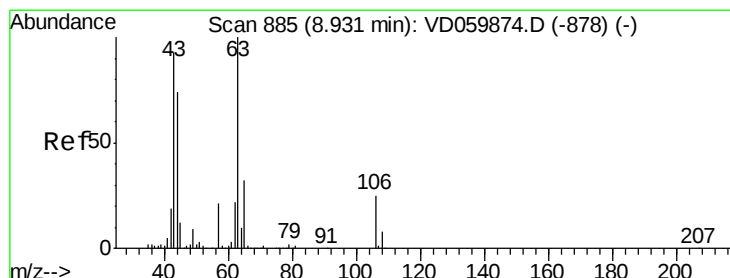
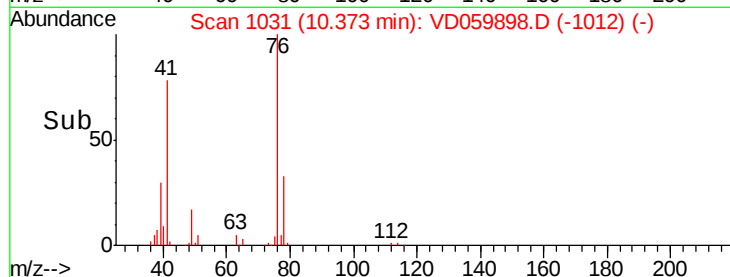
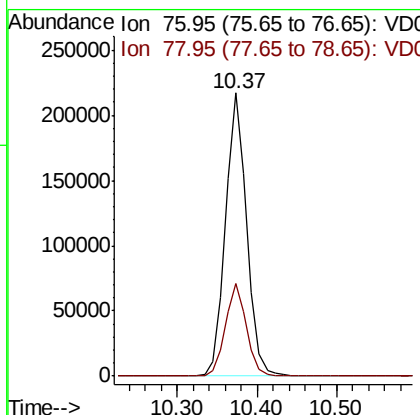
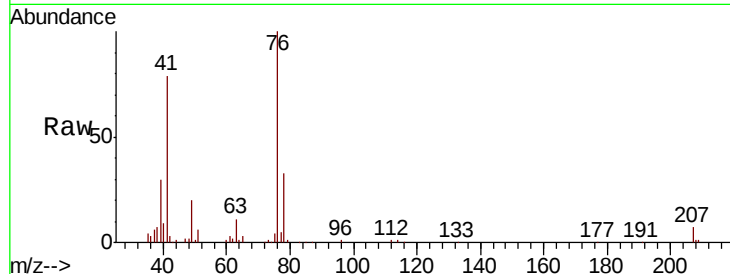
#57
 1,3-Dichloropropane
 Concen: 66.01 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion: 76 Resp: 405888
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6

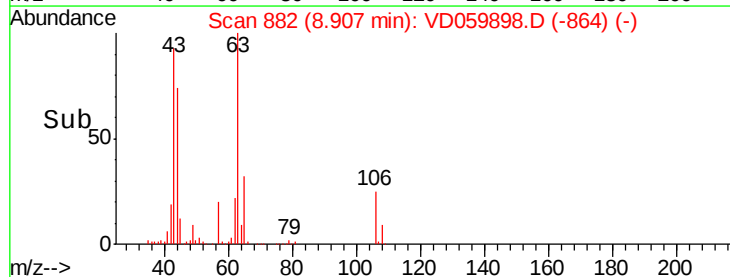
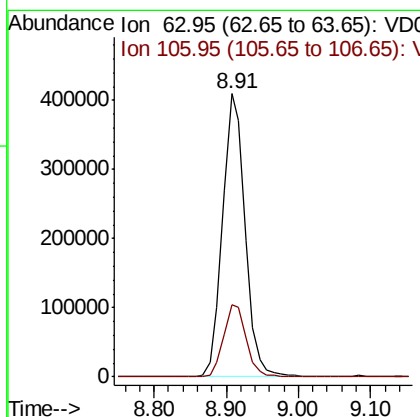
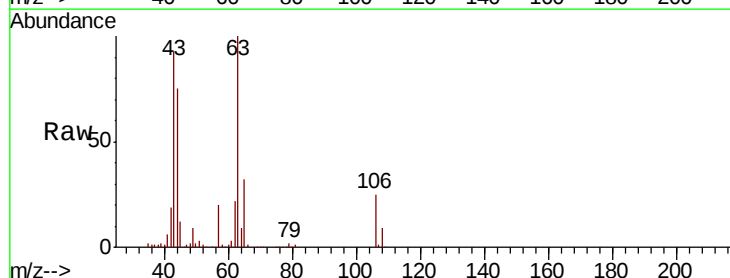
Manual Integrations
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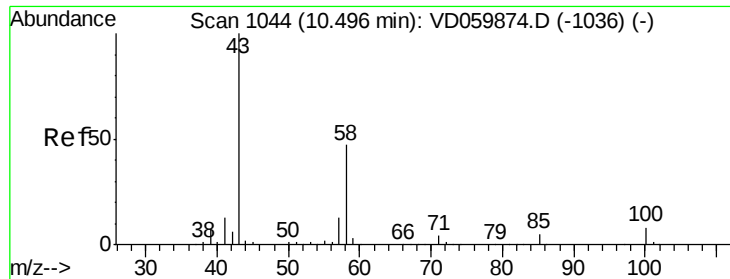
MMDadoda
 8/24/2018 3:09:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 375.36 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion: 63 Resp: 882927
 Ion Ratio Lower Upper
 63 100
 106 25.5 20.1 30.1





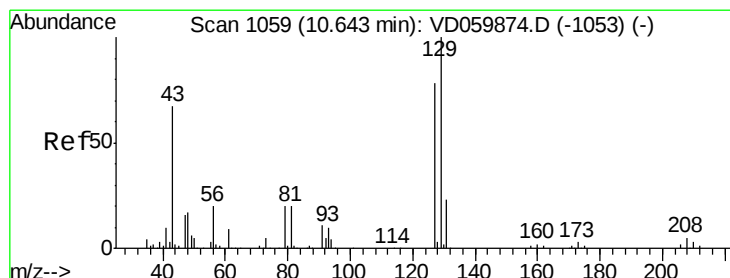
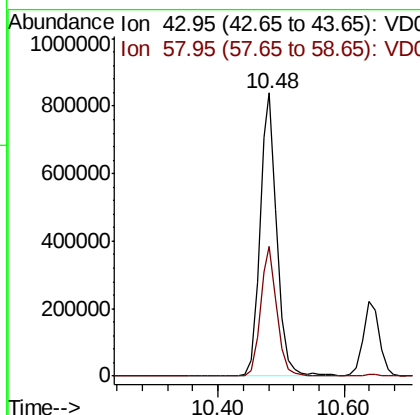
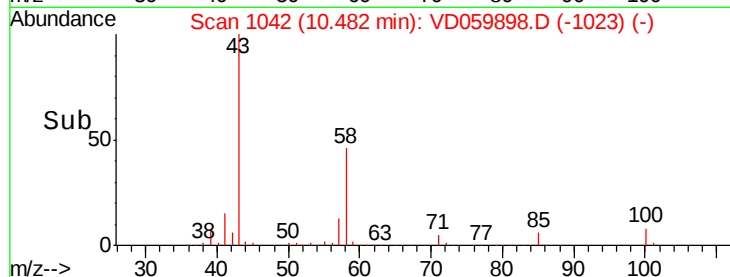
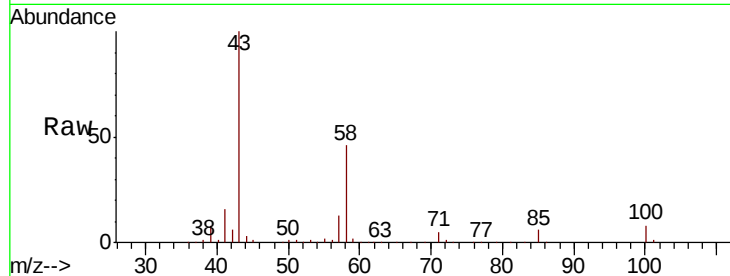
#59
2-Hexanone
Concen: 403.53 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 1565933
Ion Ratio Lower Upper
43 100
58 45.7 23.3 69.8

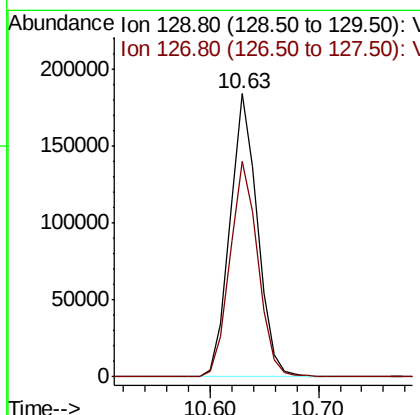
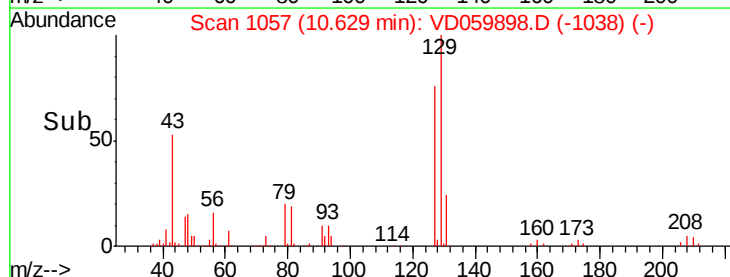
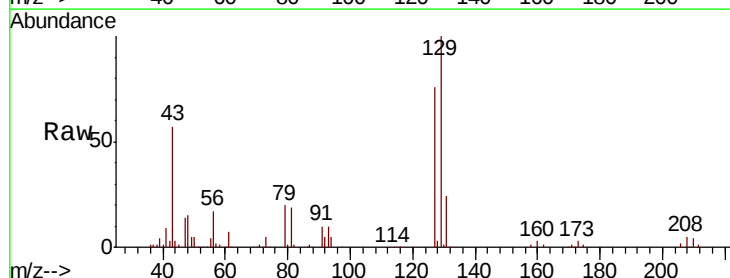
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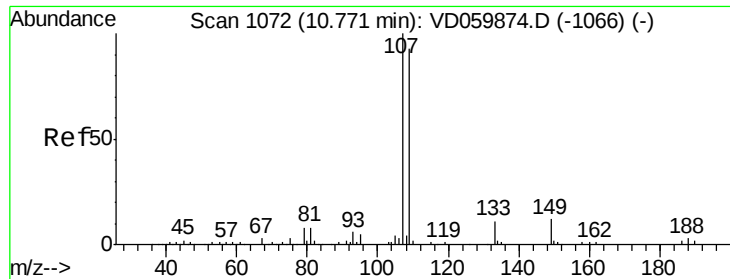
MMDadoda
8/24/2018 3:09:48 PM



#60
Dibromochloromethane
Concen: 61.05 ug/l
RT: 10.63 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 129 Resp: 326032
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.2





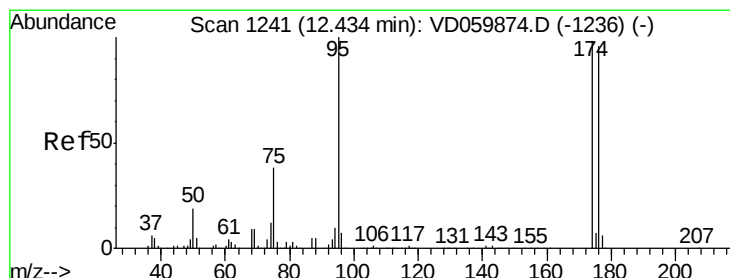
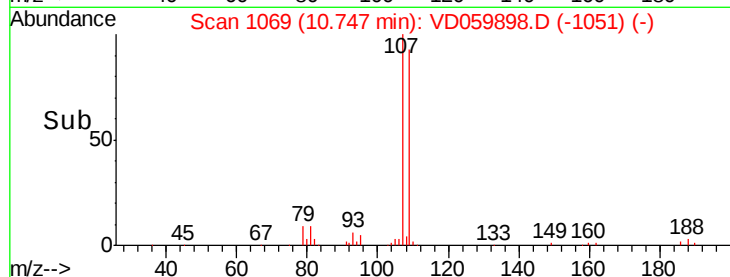
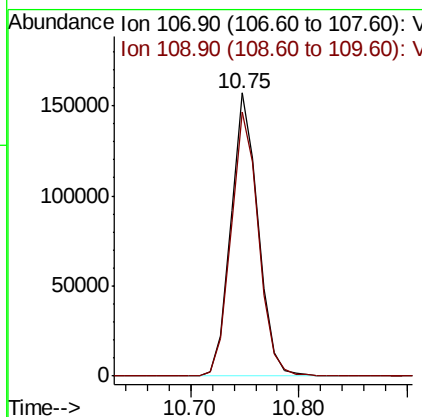
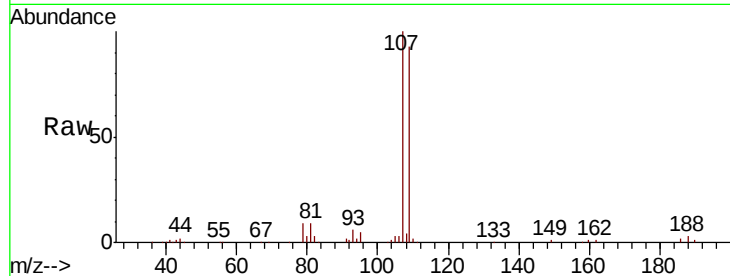
#61
 1,2-Dibromoethane
 Concen: 63.53 ug/l
 RT: 10.75 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.6	112.0

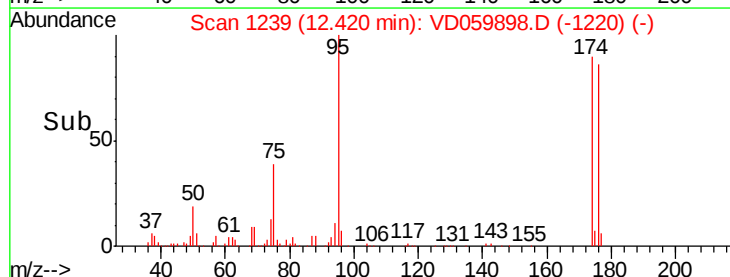
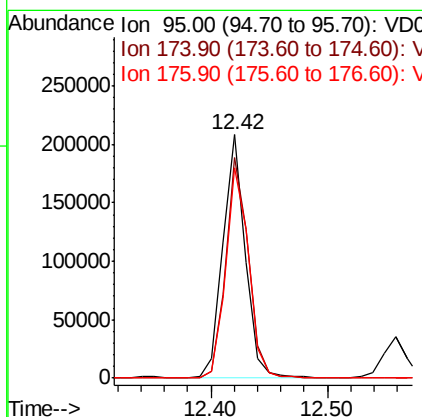
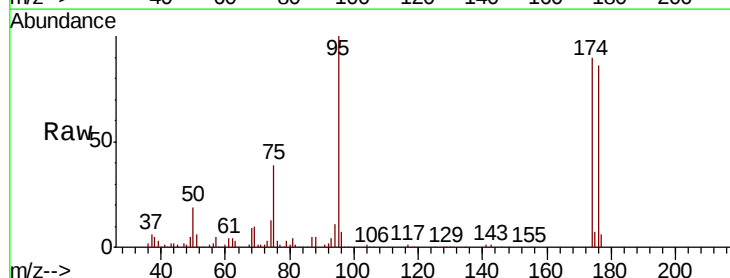
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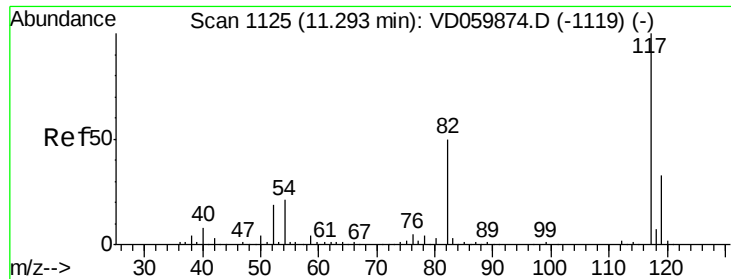
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#62
 4-Bromofluorobenzene
 Concen: 63.53 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	195.6
176	86.2	0.0	191.2





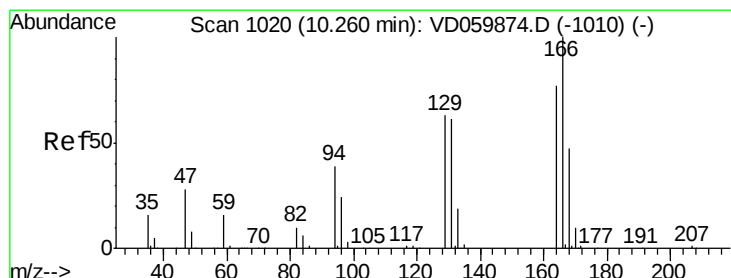
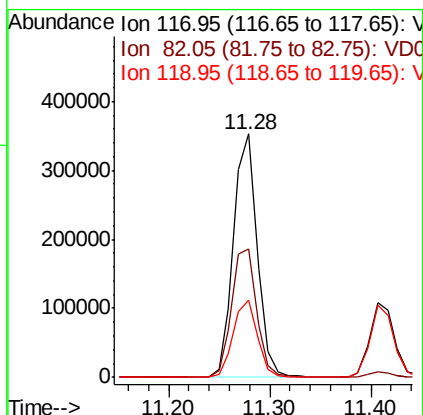
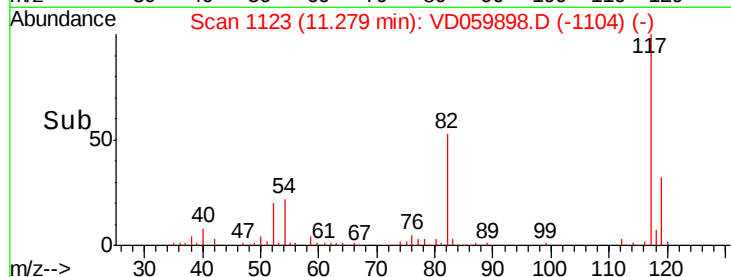
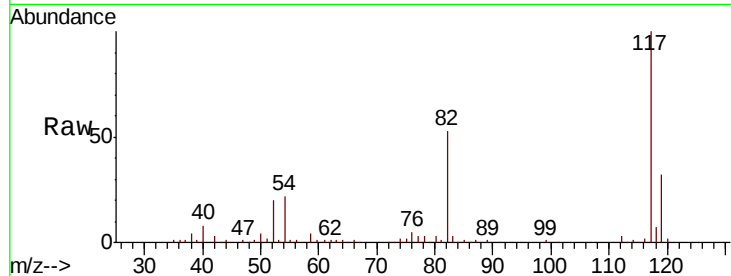
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	40.1	60.1
119	31.8	26.7	40.1

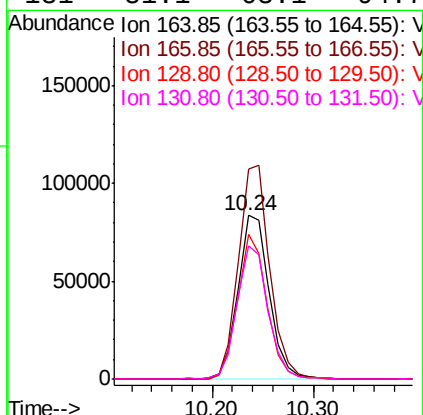
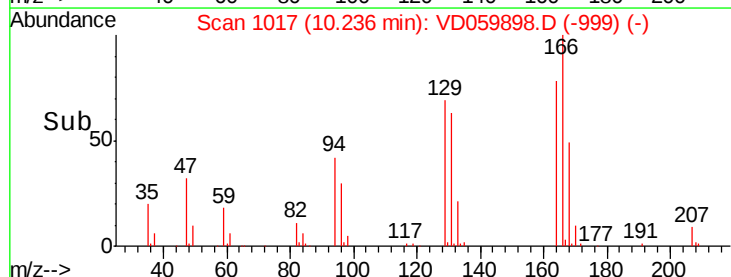
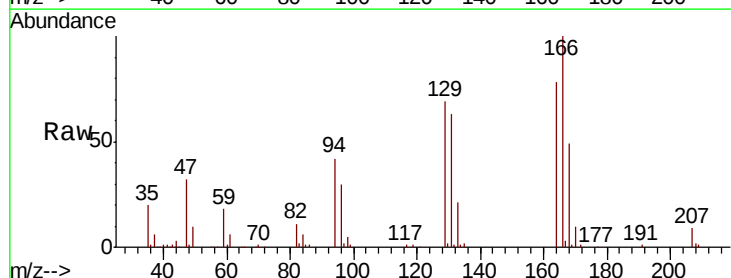
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#64
Tetrachloroethene
Concen: 40.18 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.4	155.2
129	88.4	65.2	97.8
131	81.1	63.1	94.7





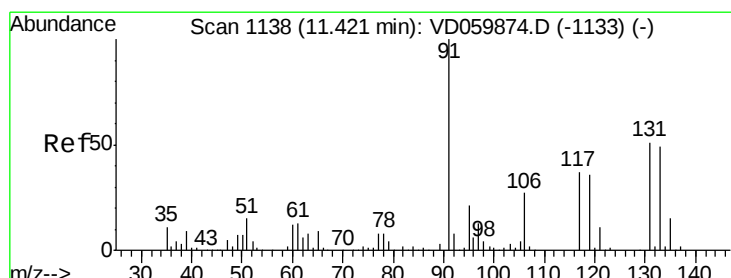
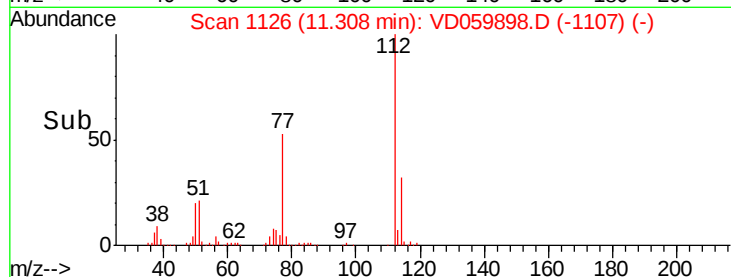
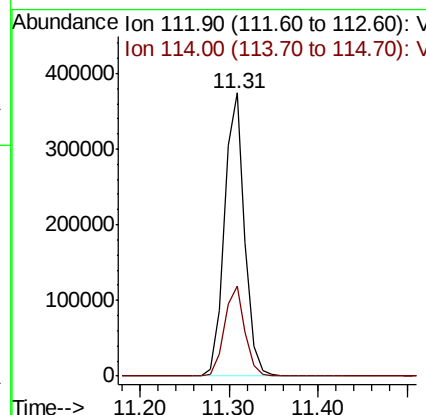
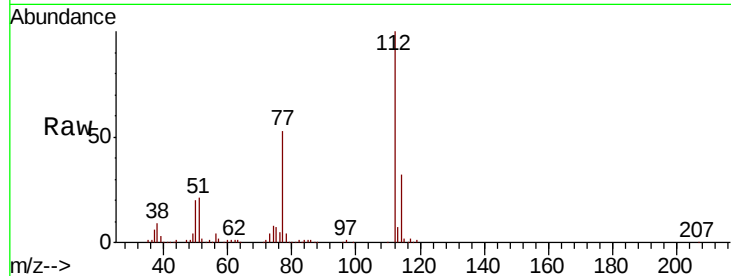
#65
Chlorobenzene
Concen: 51.73 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
112	100	593561		
114	32.0	26.4	39.6	

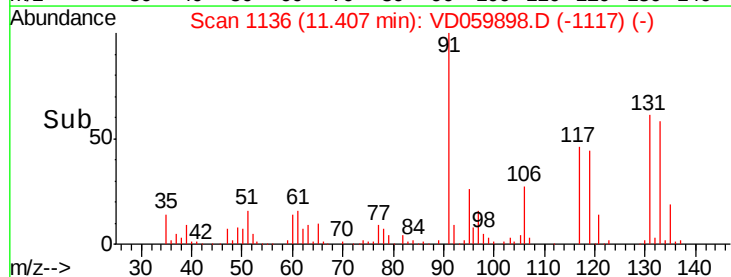
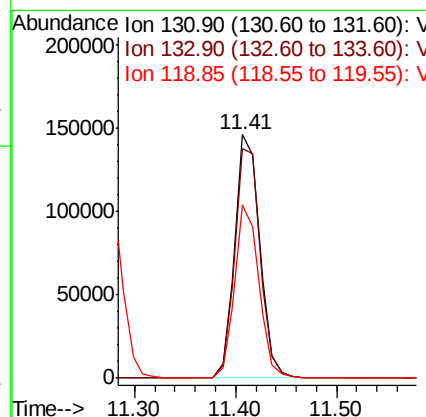
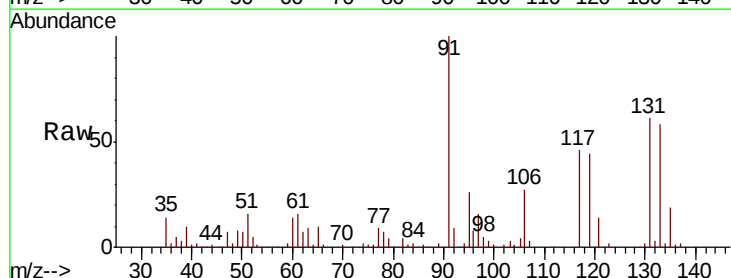
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.64 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	249986		
133	94.3	48.3	144.8	
119	71.4	35.4	106.3	





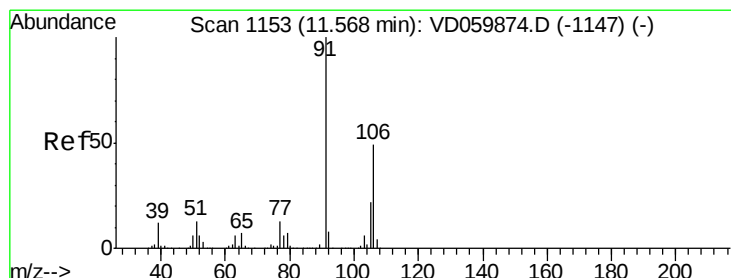
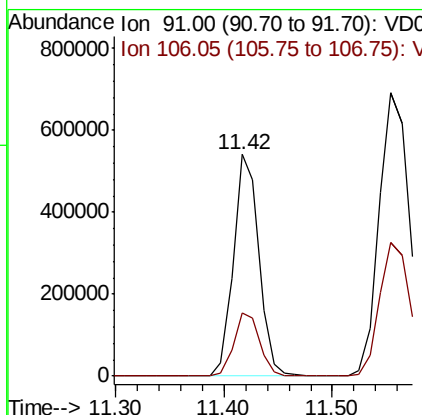
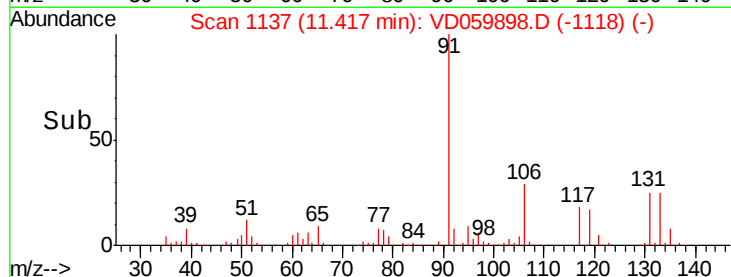
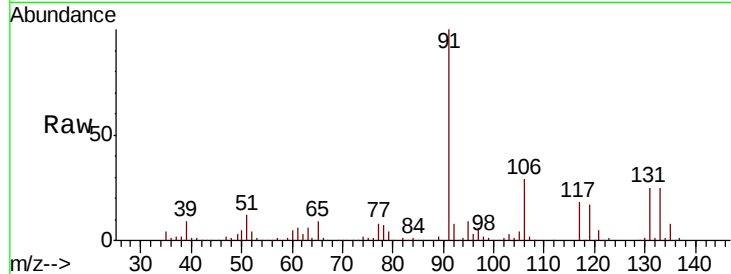
#67
Ethyl Benzene
Concen: 45.82 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 91 Resp: 884362
Ion Ratio Lower Upper
91 100
106 28.5 23.8 35.8

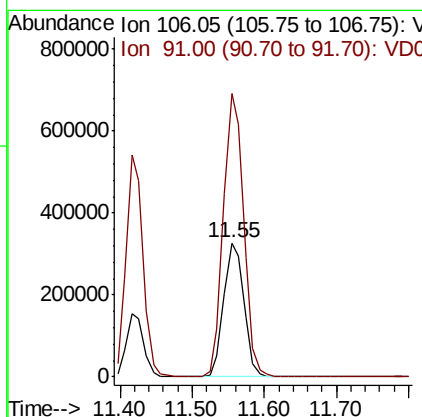
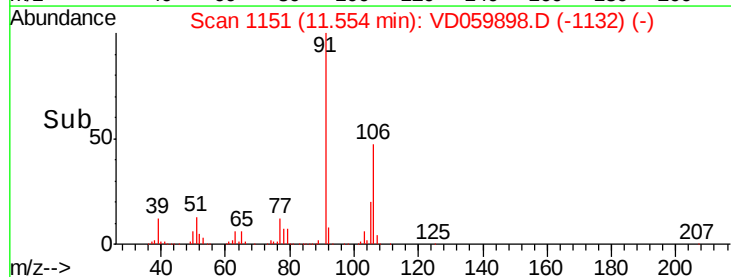
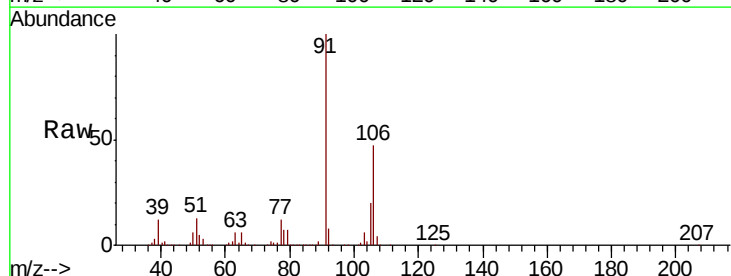
Manual Integrations
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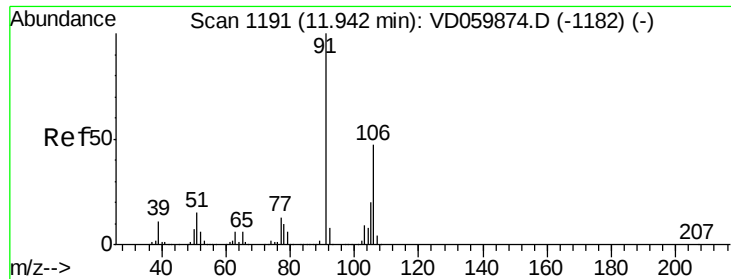
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#68
m/p-Xylenes
Concen: 90.52 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 106 Resp: 636165
Ion Ratio Lower Upper
106 100
91 210.8 162.0 243.0





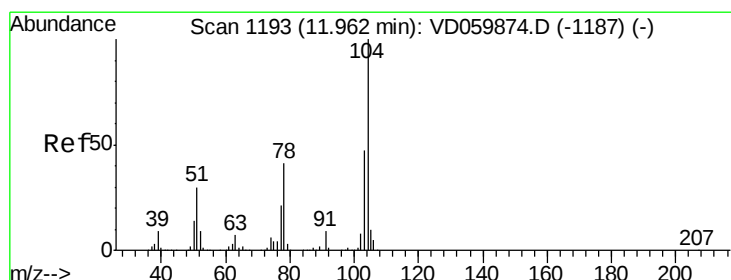
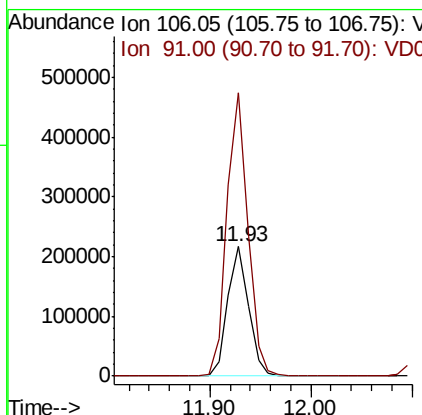
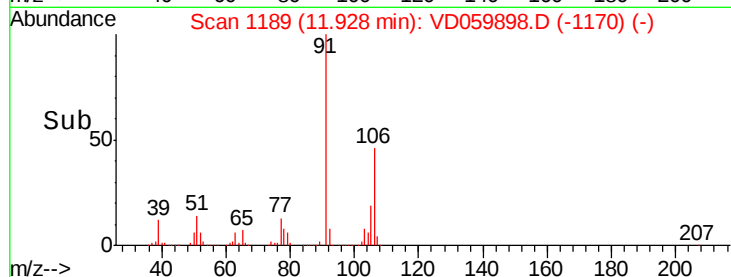
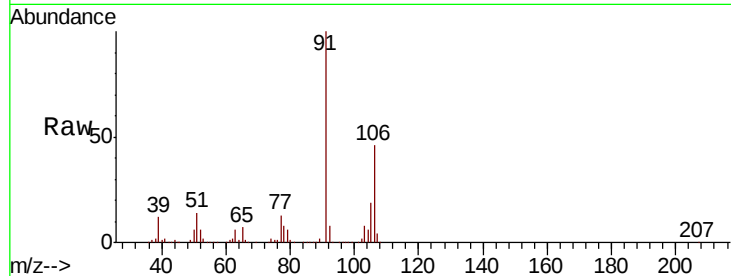
#69
o-Xylene
Concen: 45.54 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.7	107.3	322.0	

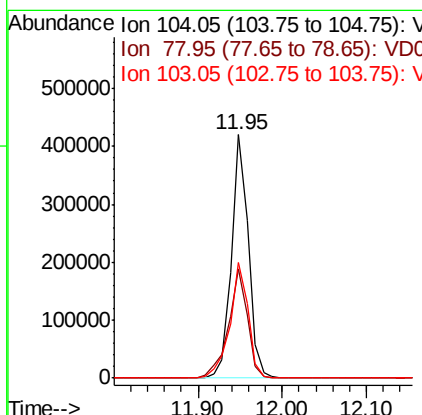
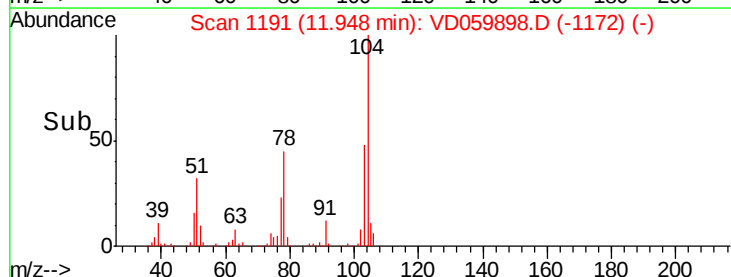
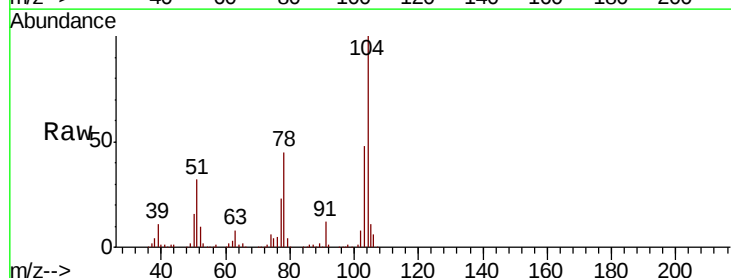
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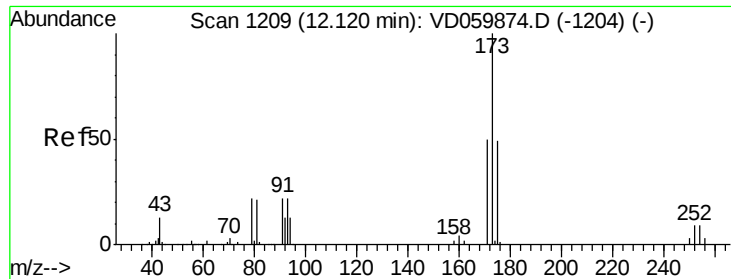
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#70
Styrene
Concen: 49.10 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.1	32.6	49.0	
103	47.7	37.7	56.5	





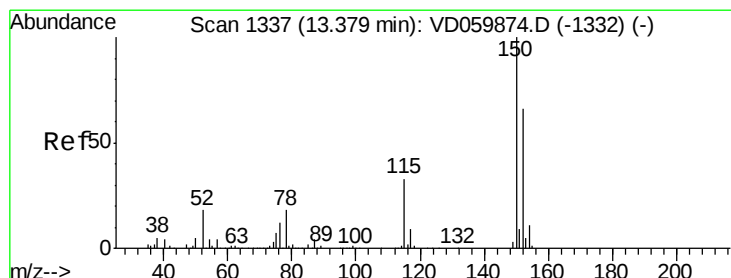
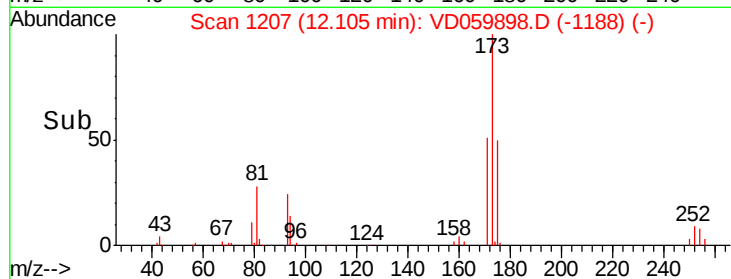
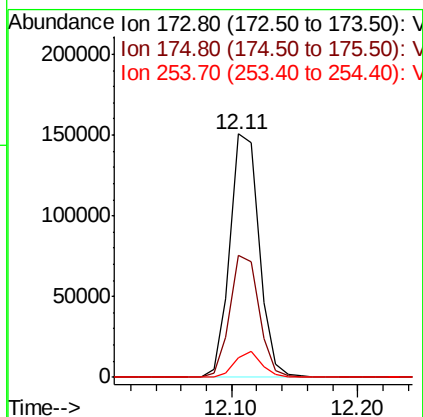
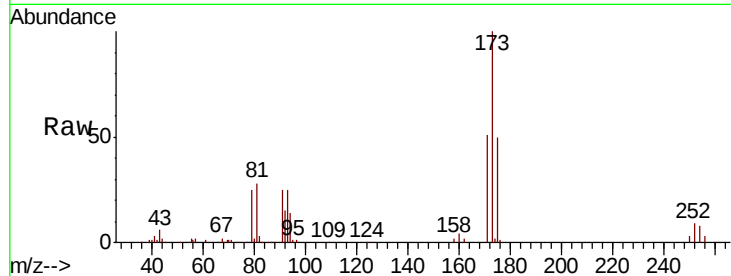
#71
Bromoform
Concen: 66.14 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	7.9	7.0	10.6

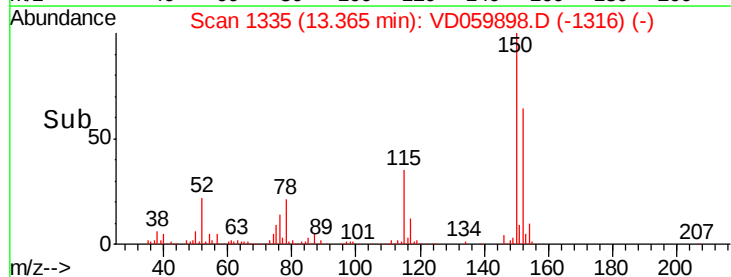
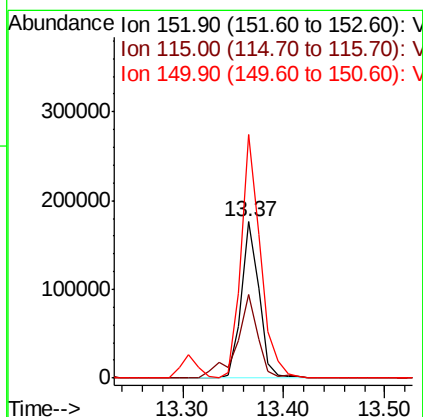
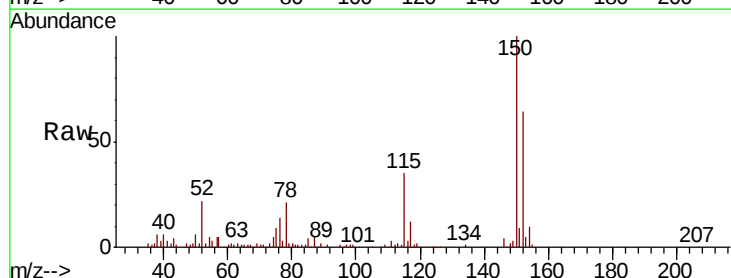
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	25.7	77.0
150	155.9	0.0	310.2





#73

Isopropylbenzene

Concen: 44.63 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 105 Resp: 614334

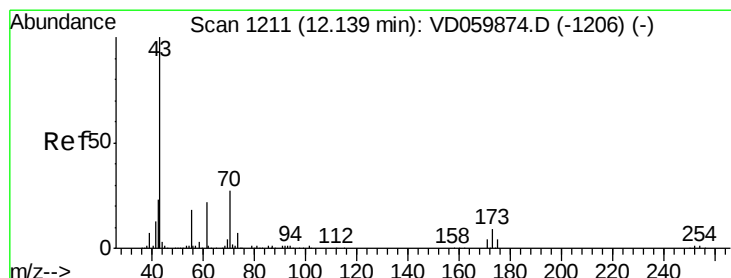
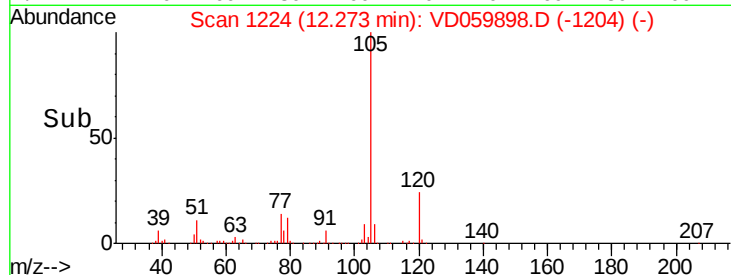
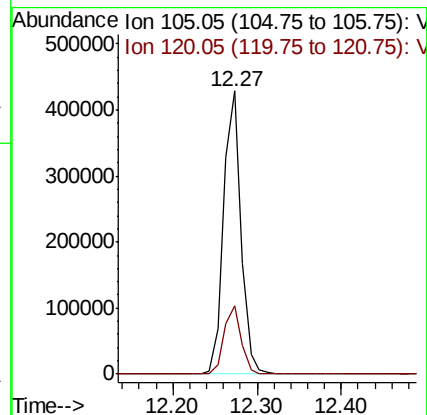
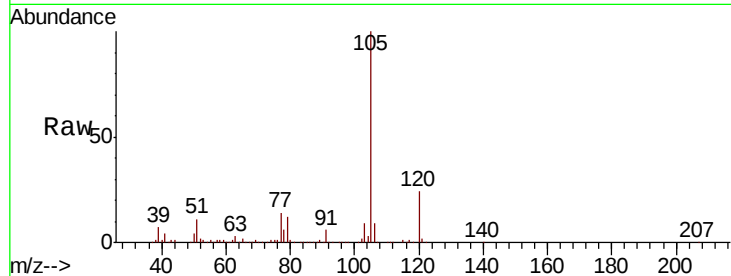
Ion Ratio Lower Upper

105 100

120 24.3 11.8 35.4

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#74

N-ethyl acetate

Concen: 62.09 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion: 43 Resp: 374252

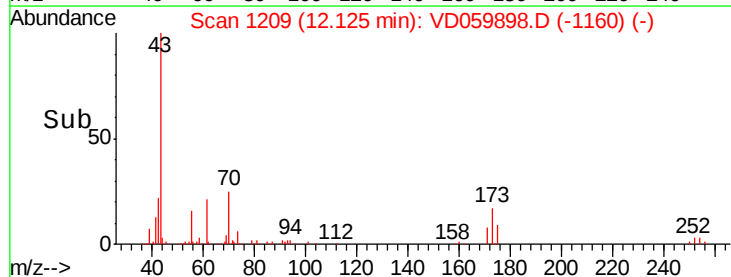
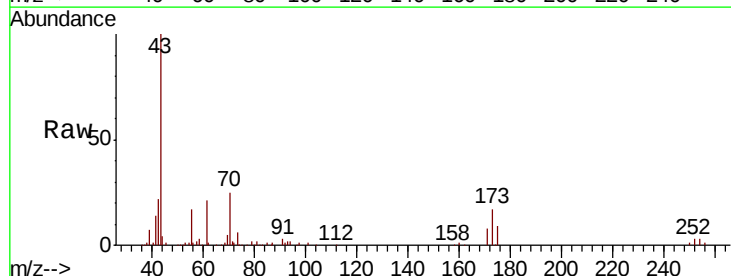
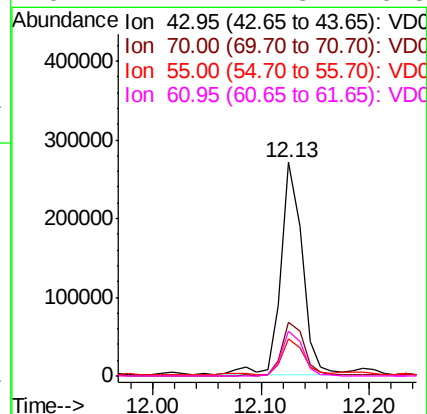
Ion Ratio Lower Upper

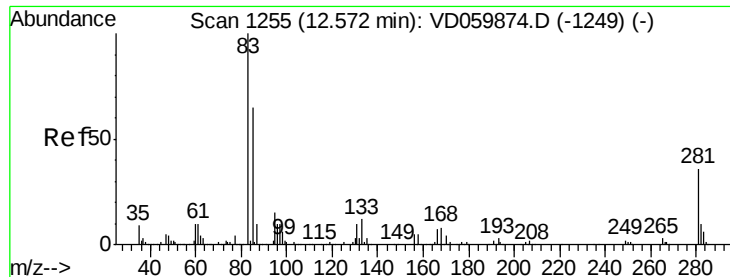
43 100

70 25.1 21.4 32.2

55 17.4 14.1 21.1

61 21.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 104.45 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

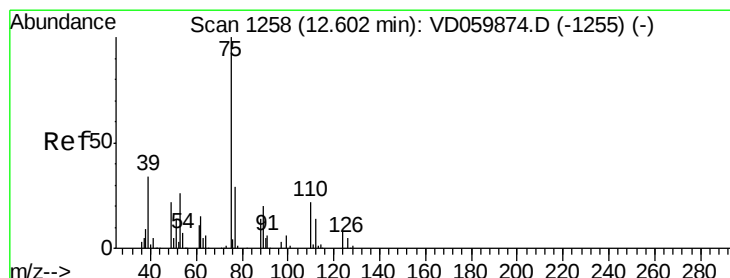
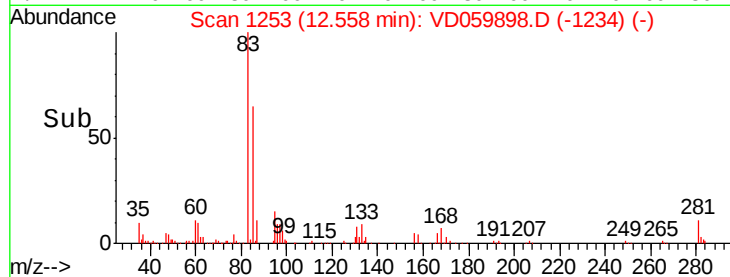
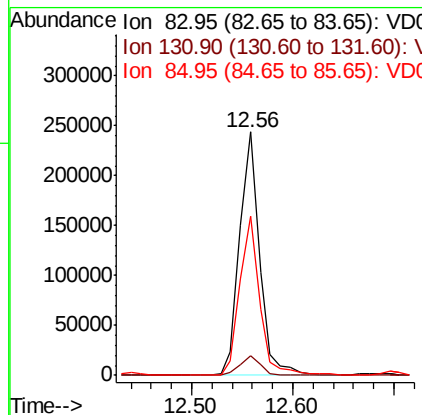
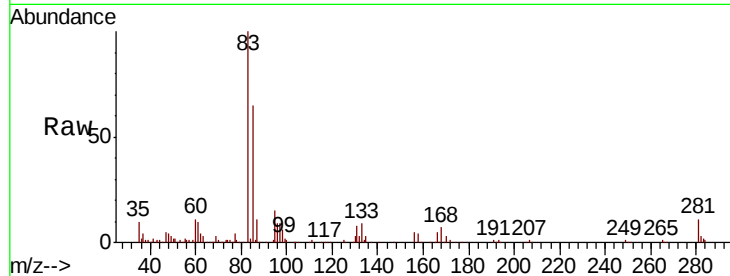
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	83	Resp:	332585
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.8	14.4
85	65.5	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 101.93 ug/l

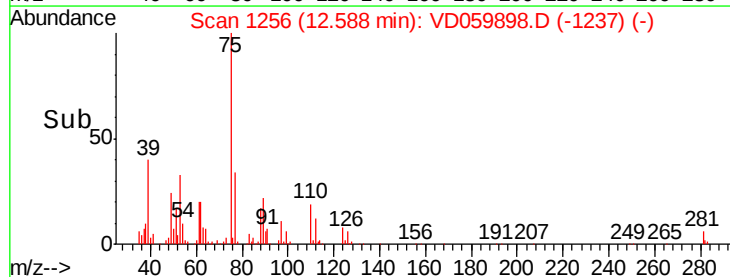
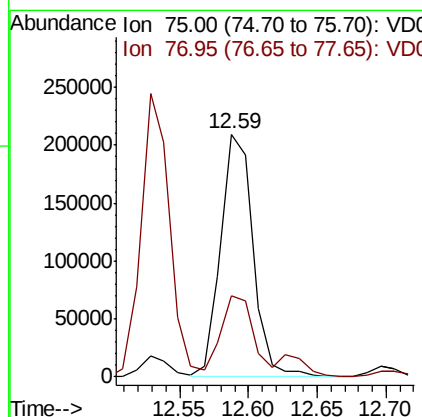
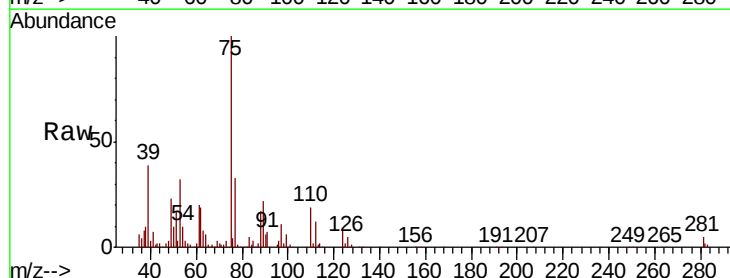
RT: 12.59 min Scan# 1256

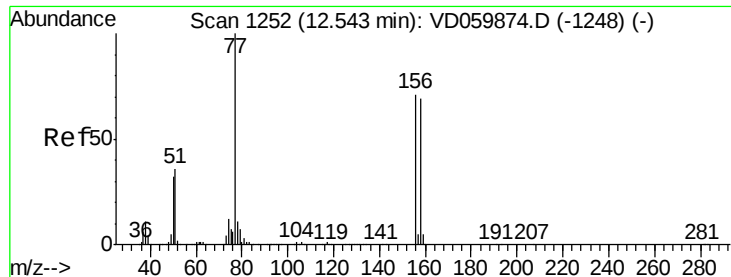
Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion:	75	Resp:	341610
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.4	49.2





#77

Bromobenzene

Concen: 69.78 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

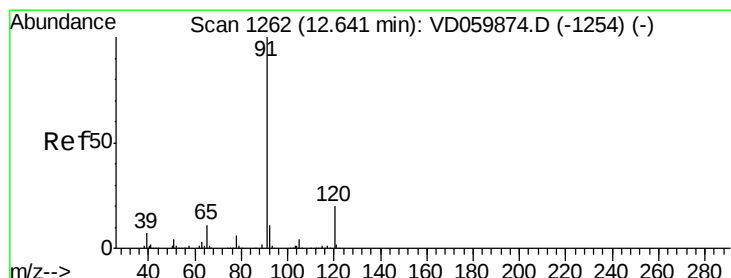
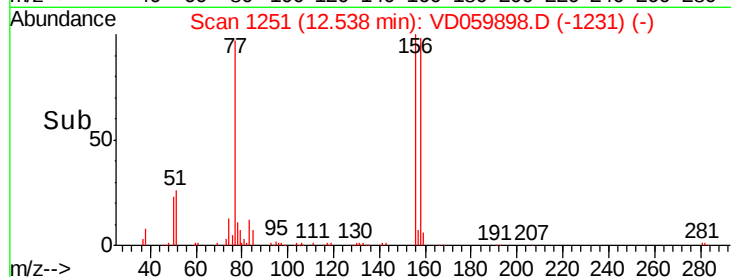
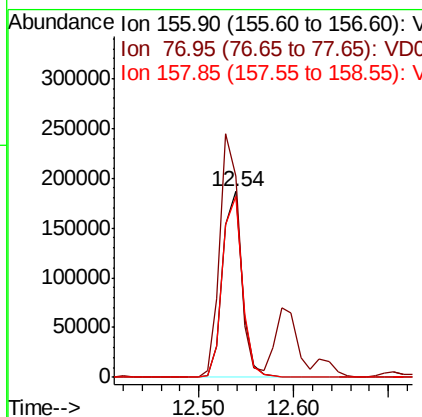
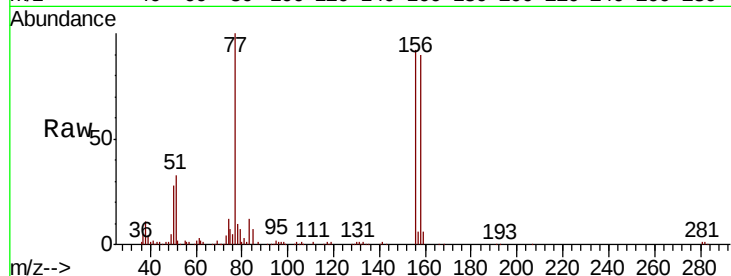
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	156	Resp:	266329
Ion Ratio	Lower	Upper	
156	100		
77	108.5	70.2	210.4
158	97.5	48.4	145.2

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#78

n-propylbenzene

Concen: 41.91 ug/l

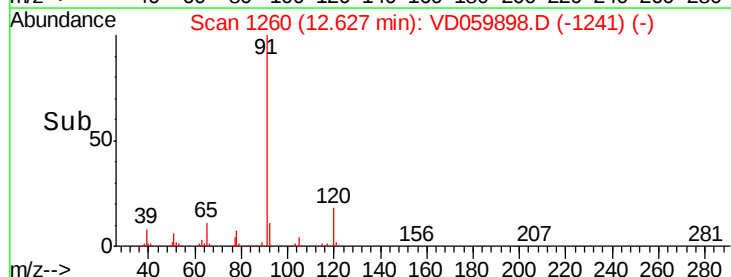
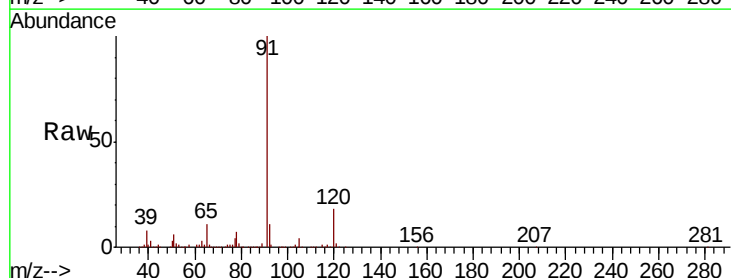
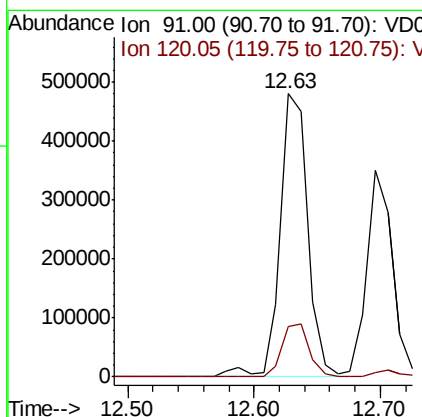
RT: 12.63 min Scan# 1260

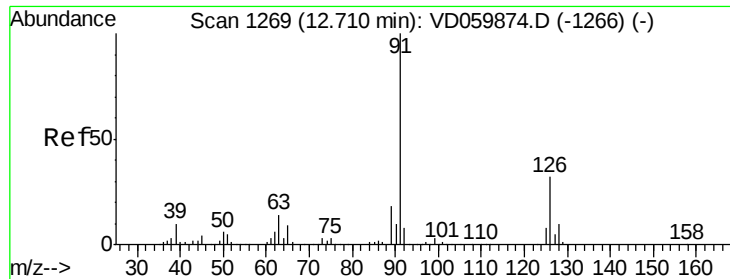
Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion:	91	Resp:	730469
Ion Ratio	Lower	Upper	
91	100		
120	18.0	10.1	30.3





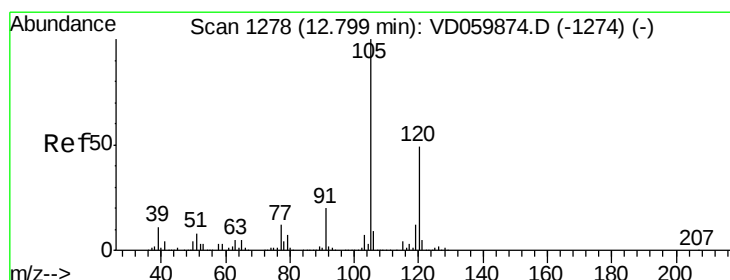
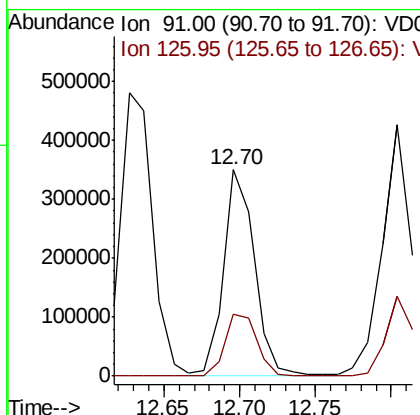
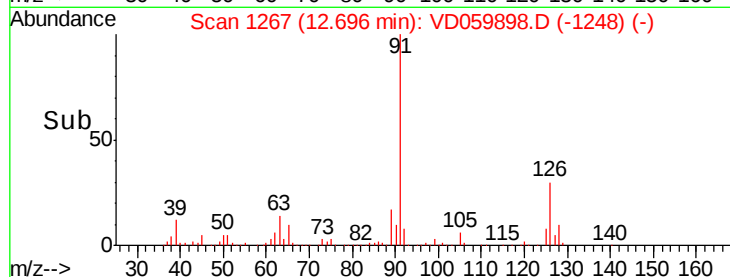
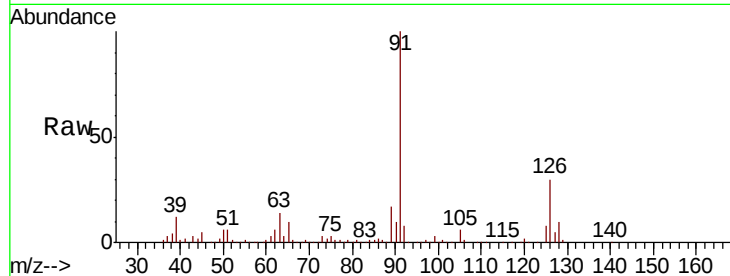
#79
2-Chlorotoluene
Concen: 49.94 ug/l
RT: 12.70 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion: 91 Resp: 492312
Ion Ratio Lower Upper
91 100
126 30.3 16.1 48.2

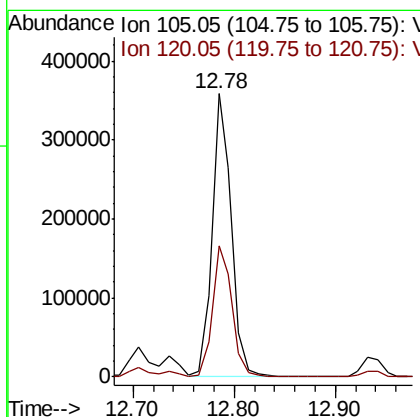
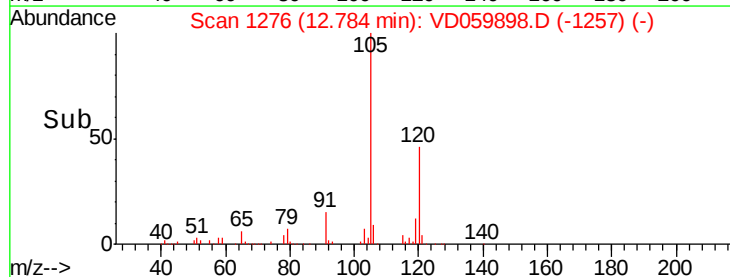
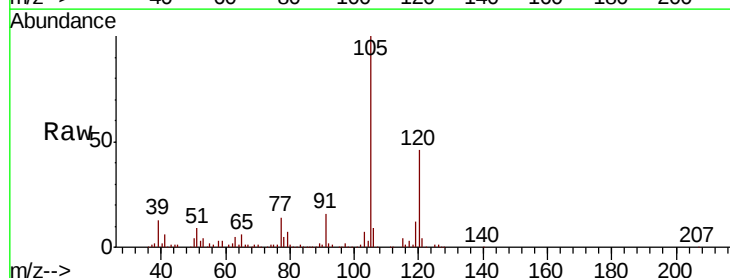
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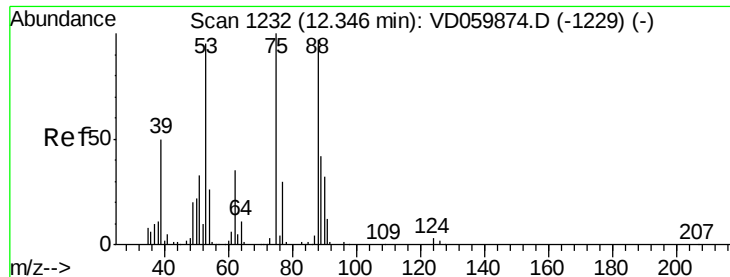
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#80
1,3,5-Trimethylbenzene
Concen: 43.39 ug/l
RT: 12.78 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion:105 Resp: 474813
Ion Ratio Lower Upper
105 100
120 46.1 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 95.10 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 75 Resp: 99142

Ion Ratio Lower Upper

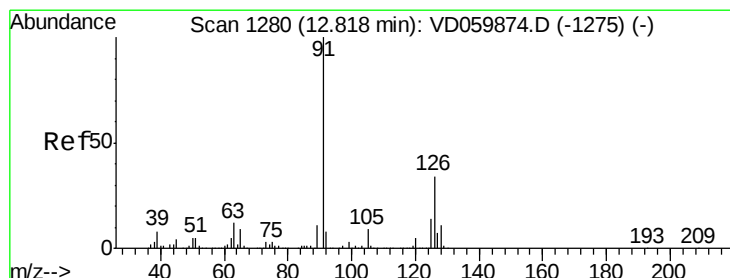
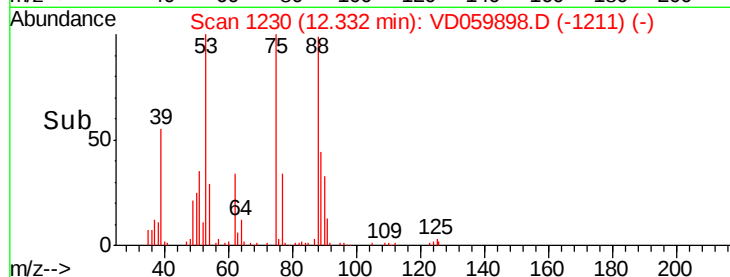
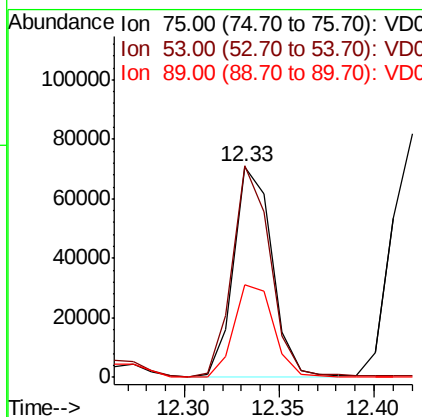
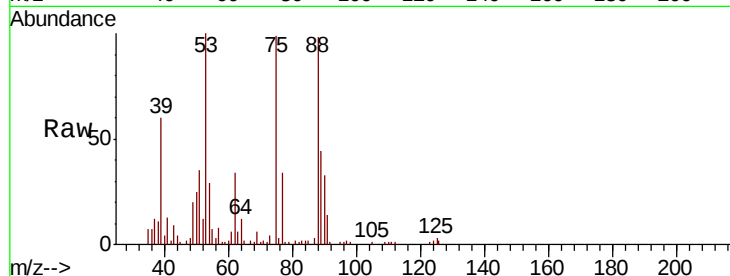
75 100

53 100.7 75.8 113.6

89 44.2 33.6 50.4

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#82

4-Chlorotoluene

Concen: 50.94 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059898.D

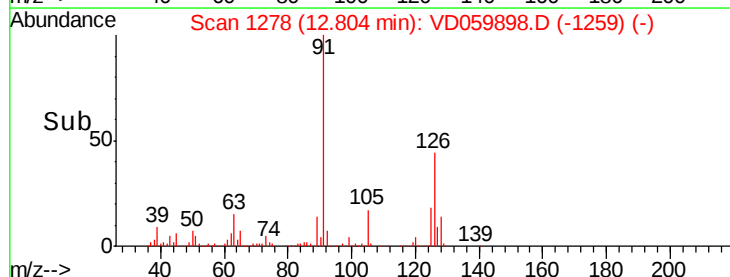
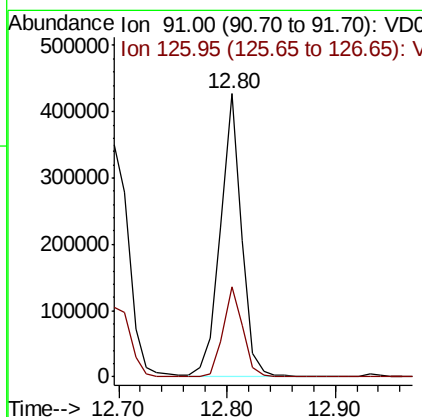
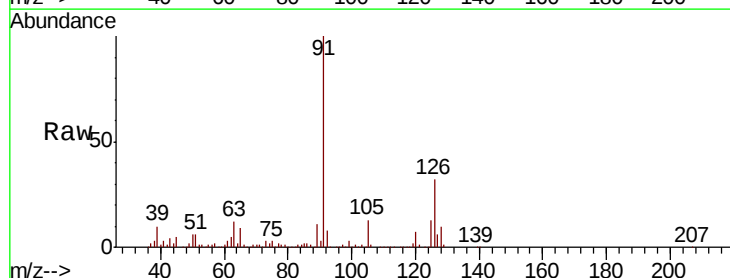
Acq: 23 Aug 2018 19:55

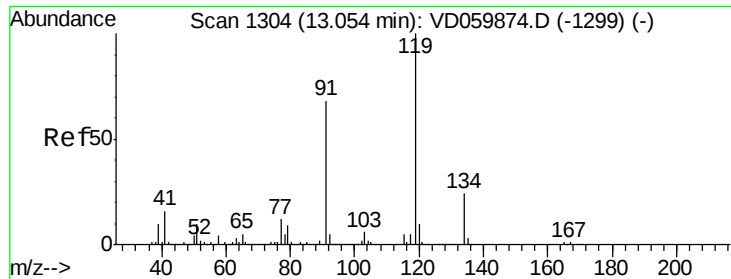
Tgt Ion: 91 Resp: 572733

Ion Ratio Lower Upper

91 100

126 31.7 17.1 51.2





#83

tert-Butylbenzene

Concen: 37.45 ug/l

RT: 13.04 min Scan# 1302

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

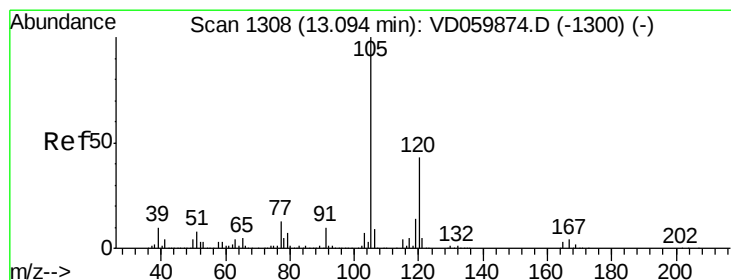
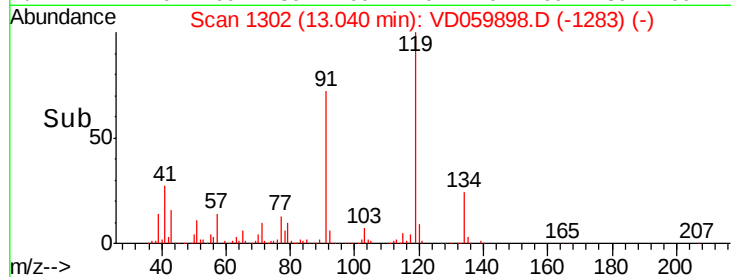
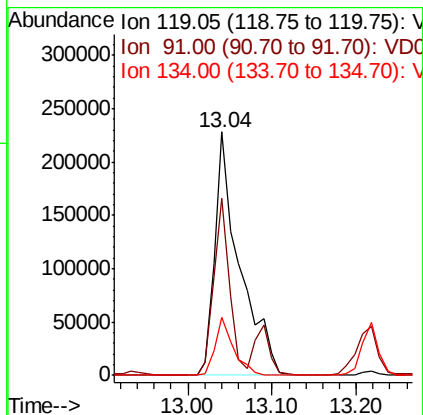
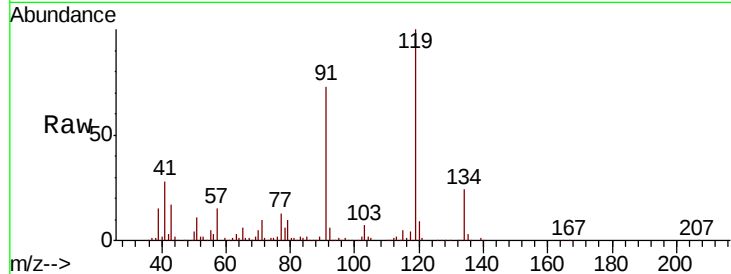
Instrument :
MSVOA_D

ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
119	100	466843		
91	72.7	34.3	102.9	
134	23.6	11.9	35.9	

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#84

1,2,4-Trimethylbenzene

Concen: 49.55 ug/l

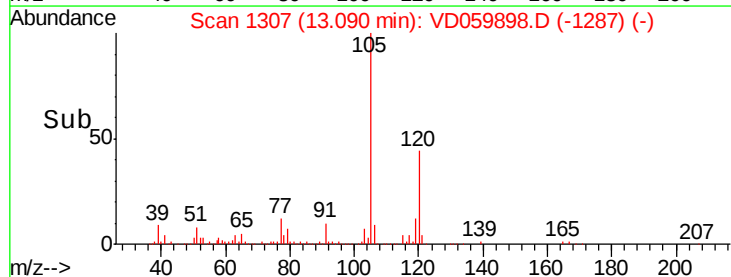
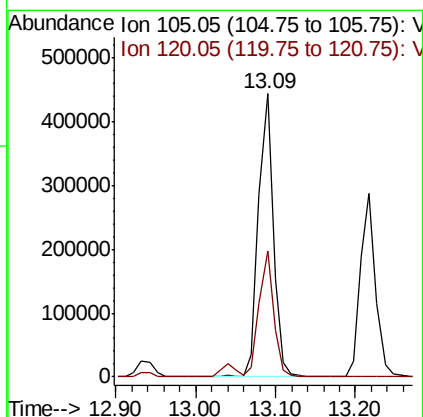
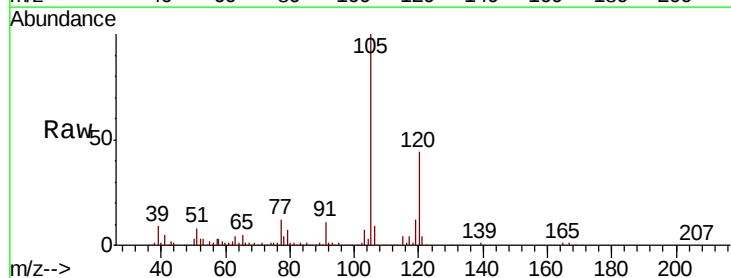
RT: 13.09 min Scan# 1307

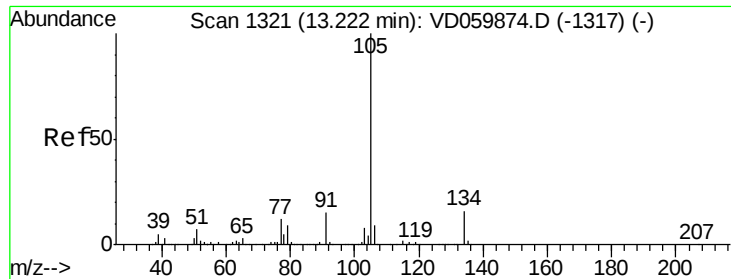
Delta R.T. -0.00 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	565238		
120	44.4	21.8	65.3	





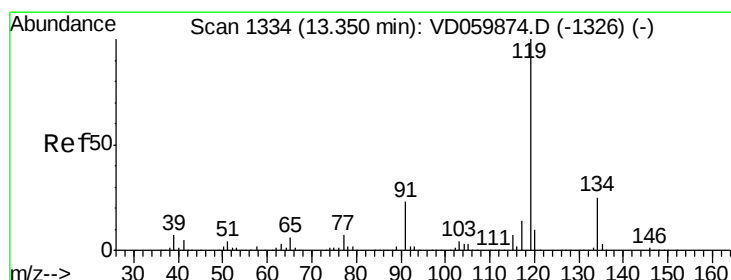
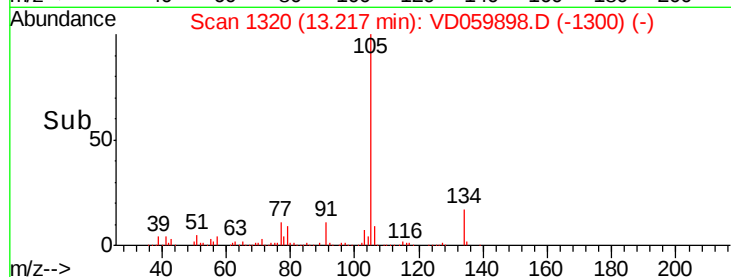
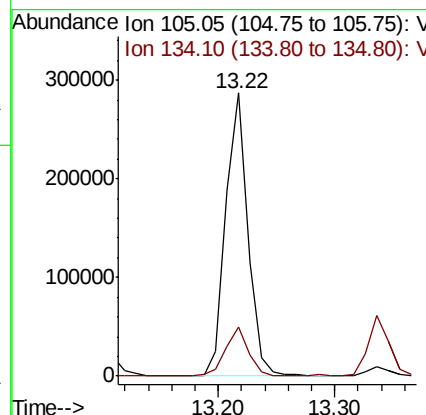
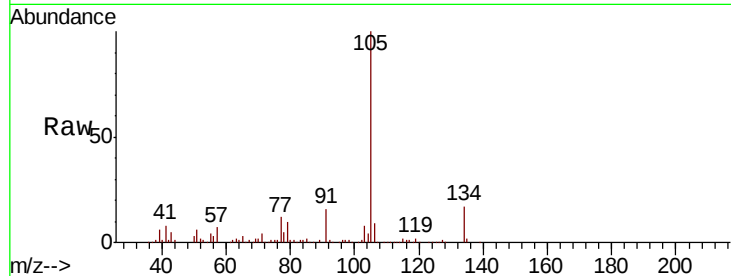
#85
 sec-Butylbenzene
 Concen: 25.68 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
105	100	376521		
134	17.3	8.2	24.4	

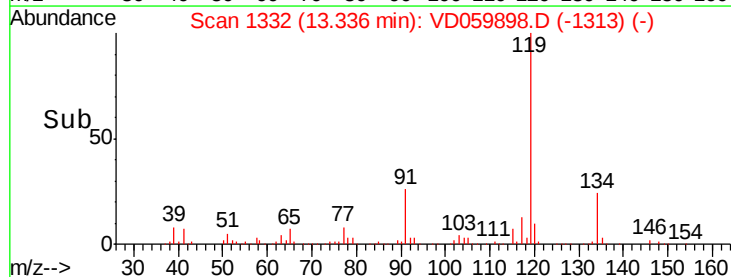
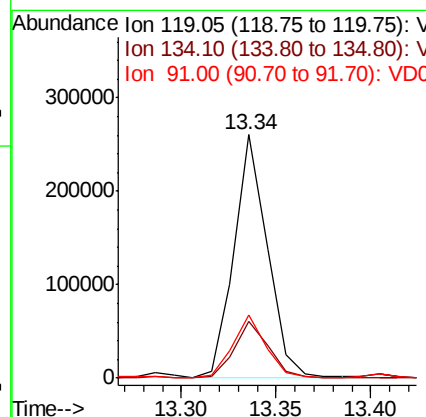
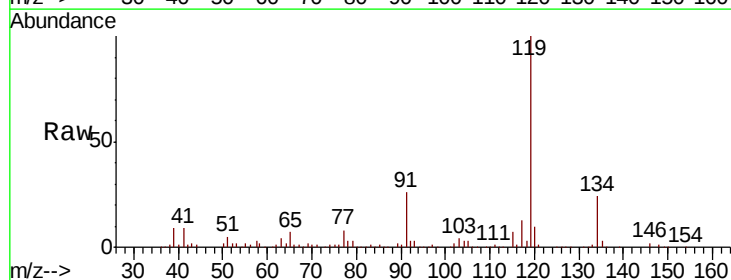
Manual Integrations
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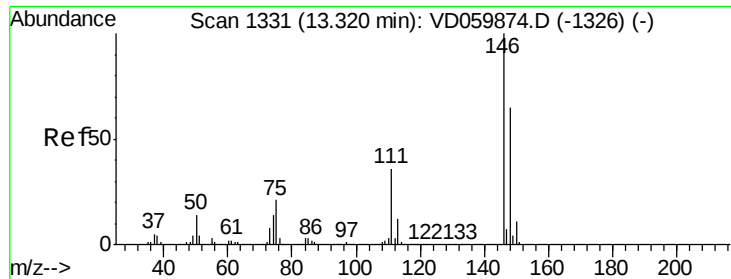
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#86
 p-Isopropyltoluene
 Concen: 26.50 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	316007		
134	23.5	12.7	38.1	
91	25.9	11.7	35.0	





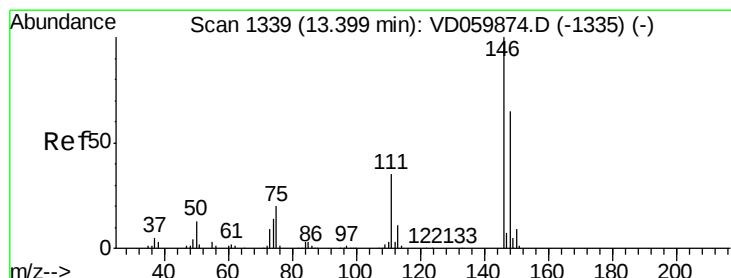
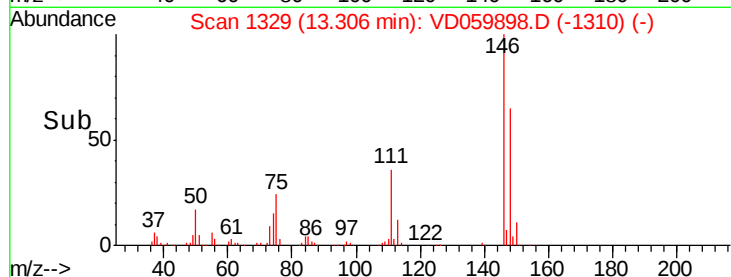
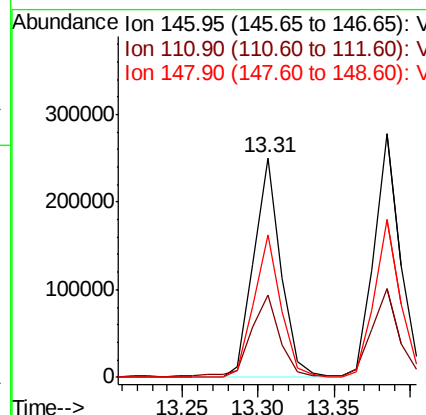
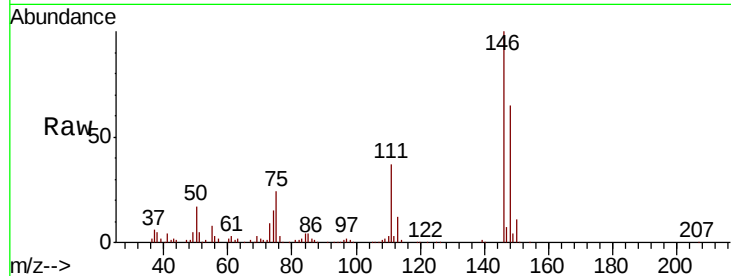
#87
 1,3-Dichlorobenzene
 Concen: 45.96 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	17.9	53.7
148	65.0	32.4	97.0

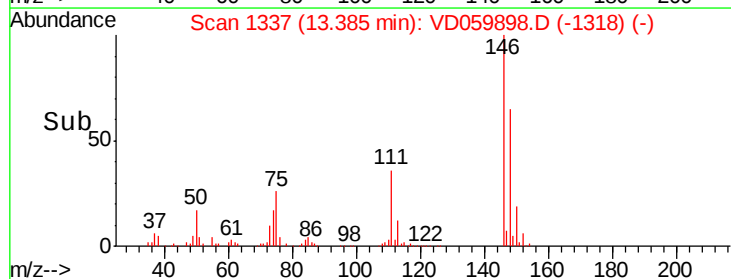
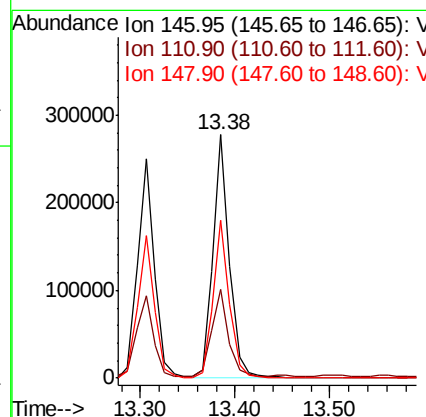
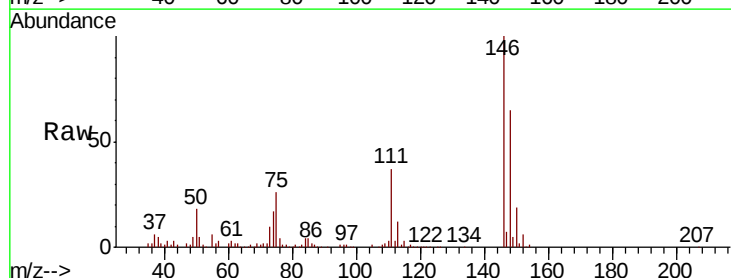
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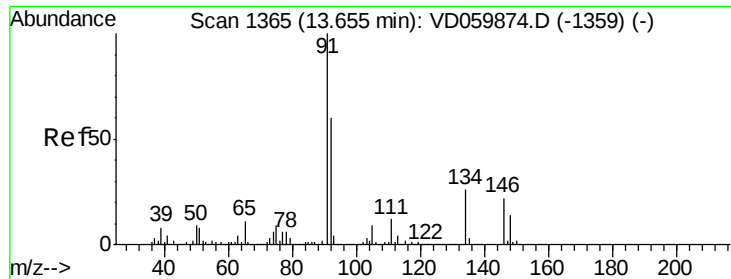
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#88
 1,4-Dichlorobenzene
 Concen: 49.61 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.5	52.6
148	64.6	32.5	97.5





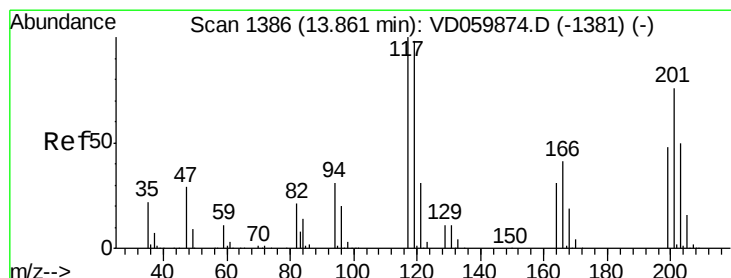
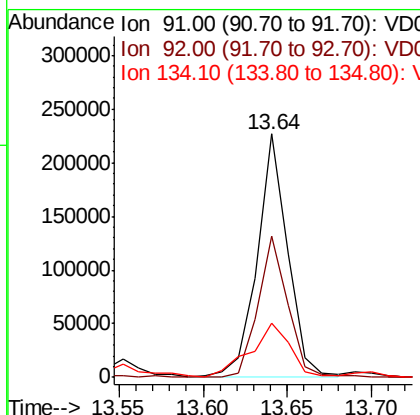
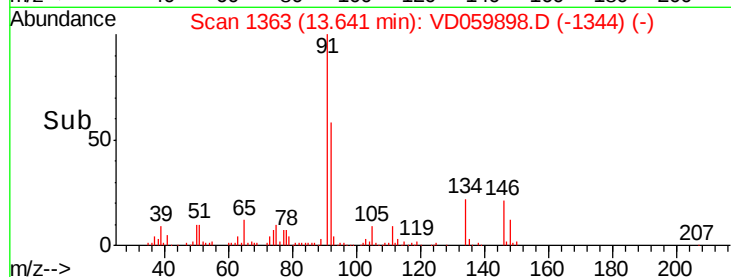
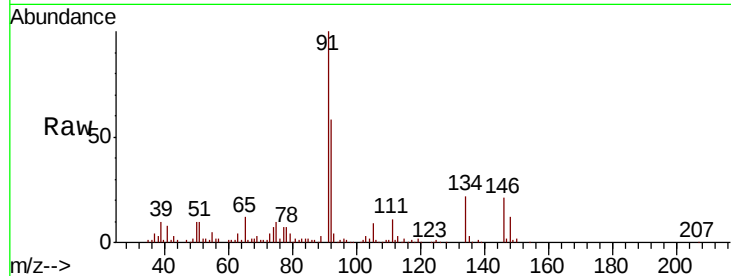
#89
n-Butylbenzene
Concen: 22.12 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.9	30.0	90.1
134	22.1	12.8	38.4

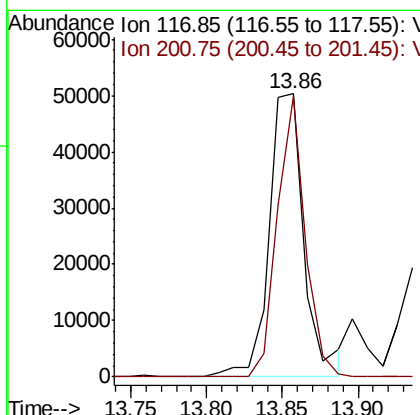
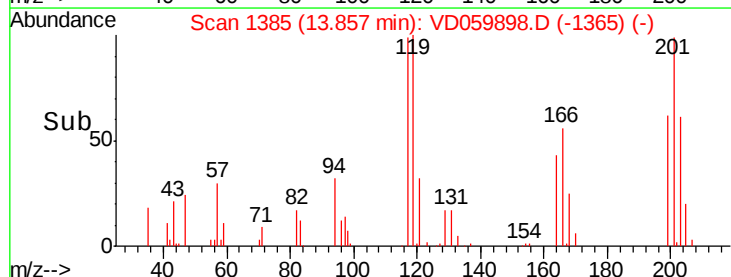
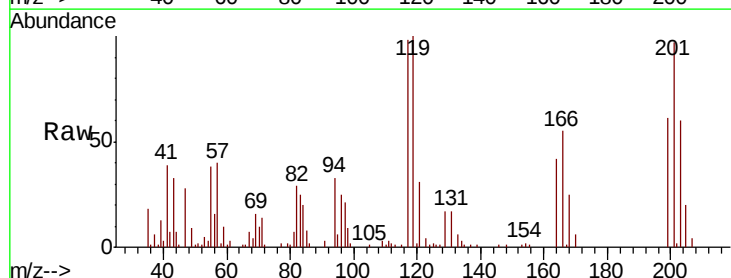
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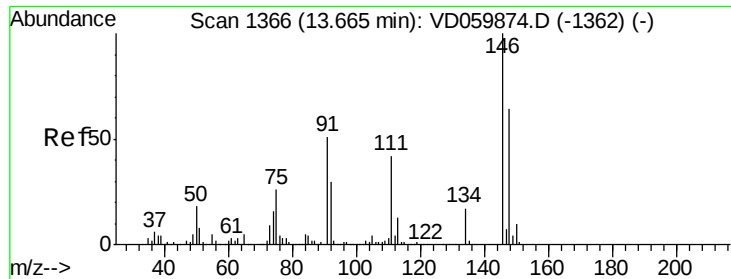
MMDadoda
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#90
Hexachloroethane
Concen: 25.46 ug/l
RT: 13.86 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.3	38.1	114.5





#91

1,2-Dichlorobenzene

Concen: 55.78 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

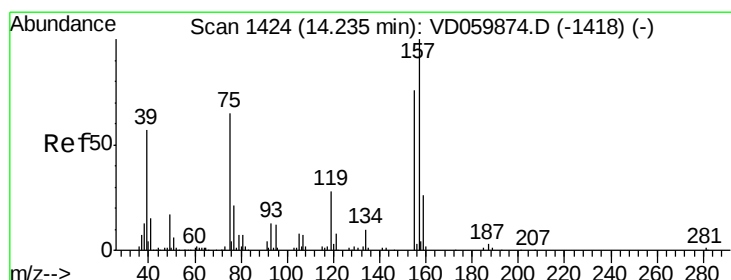
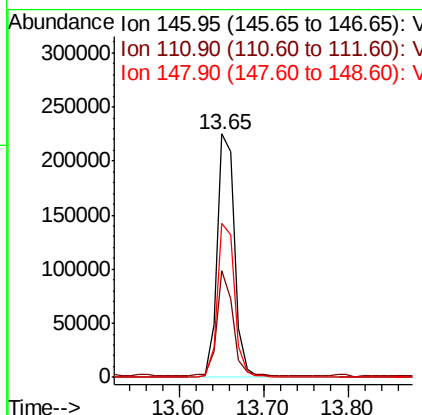
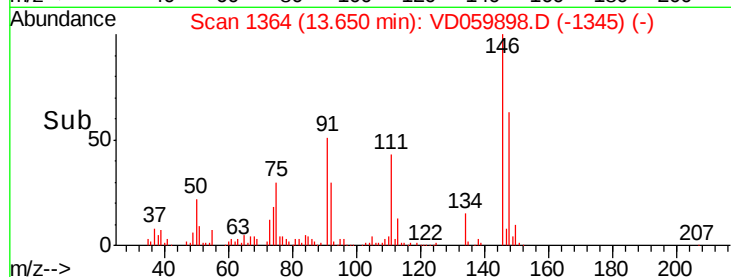
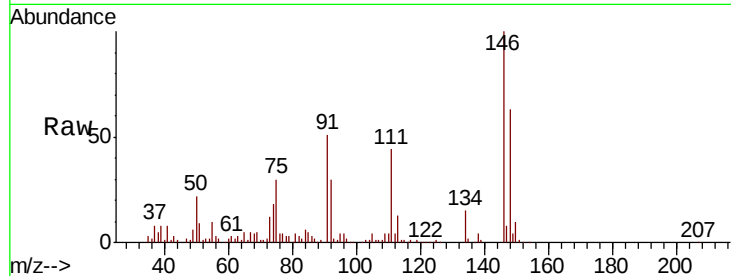
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	146	Resp:	323166
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.1	63.1
148	63.3	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 94.13 ug/l

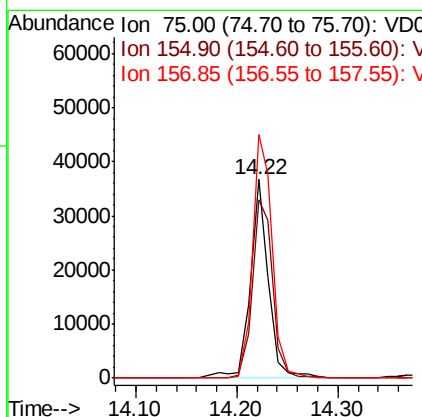
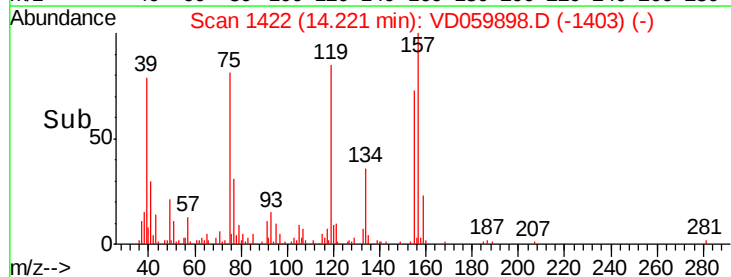
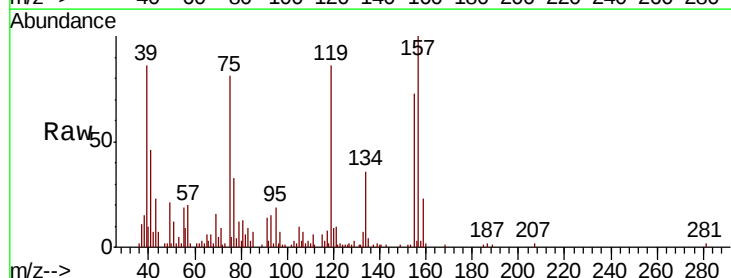
RT: 14.22 min Scan# 1422

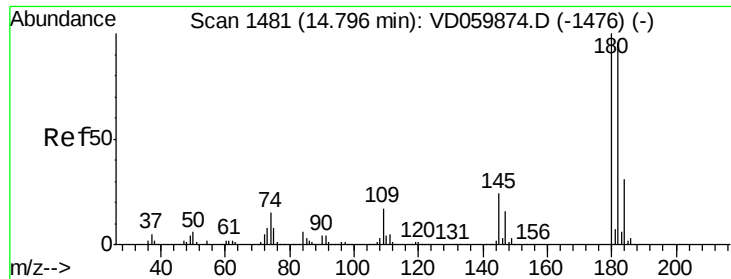
Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion:	75	Resp:	46079
Ion Ratio	Lower	Upper	
75	100		
155	90.2	58.2	174.6
157	122.8	76.8	230.4





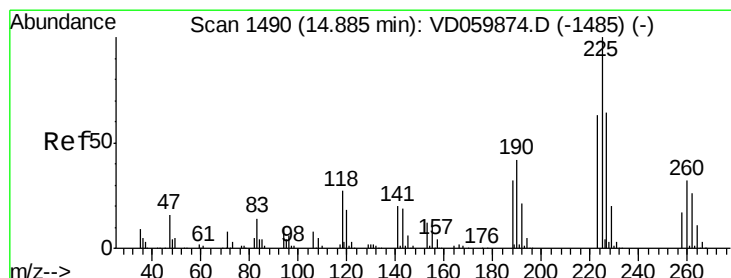
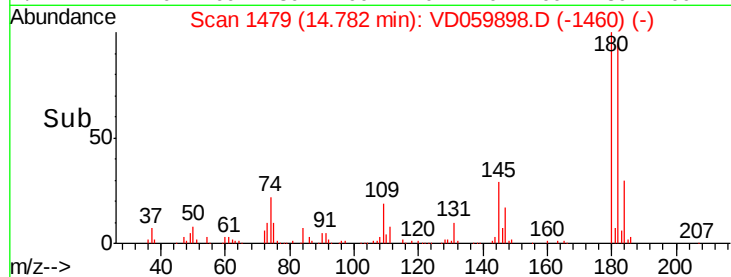
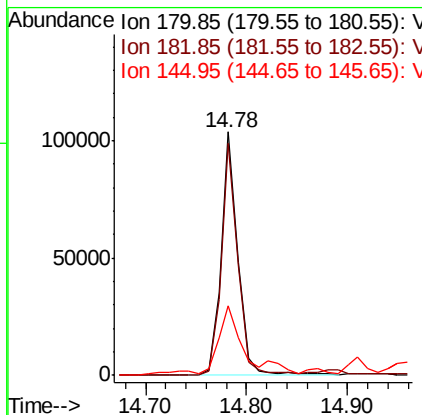
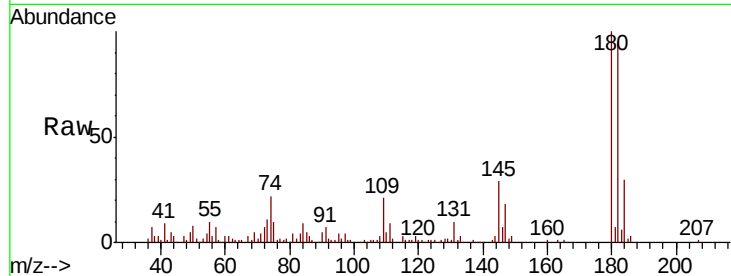
#93
 1,2,4-Trichlorobenzene
 Concen: 24.42 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121153		
182	95.5	47.9	143.7	
145	28.7	12.2	36.4	

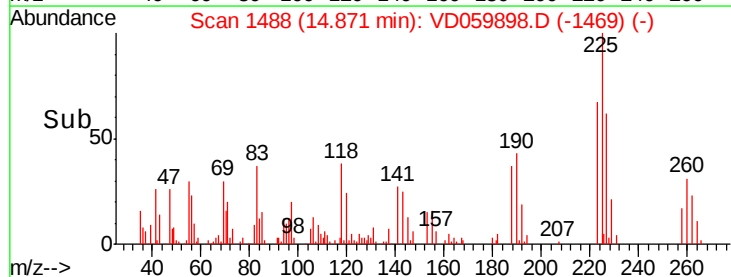
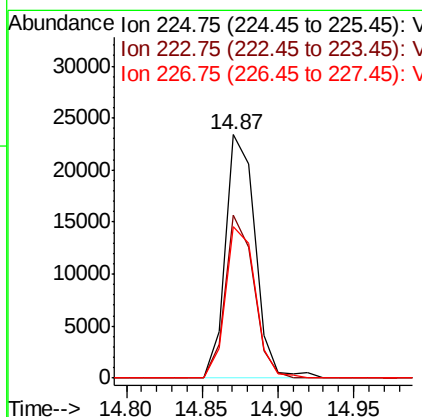
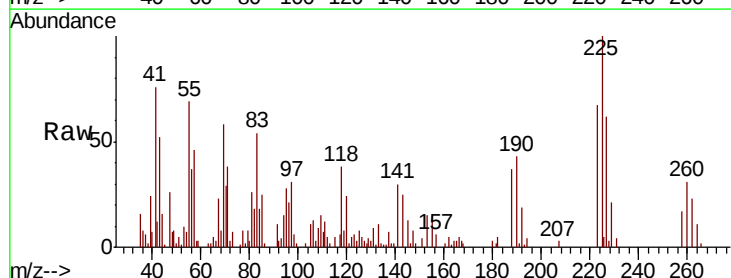
Manual Integrations
 APPROVED

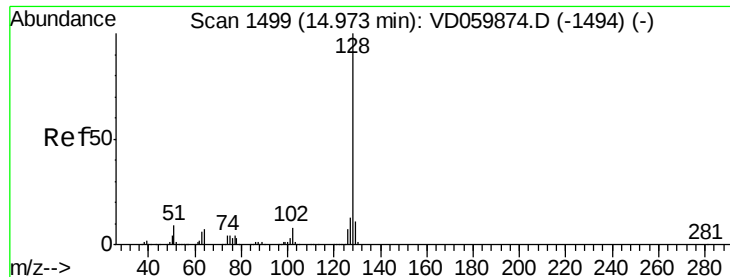
MMDadoda
 8/24/2018 3:09:48 PM



#94
 Hexachlorobutadiene
 Concen: 9.80 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31882		
223	67.1	31.6	94.8	
227	62.0	32.0	96.0	





#95

Naphthalene

Concen: 56.29 ug/l

RT: 14.96 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

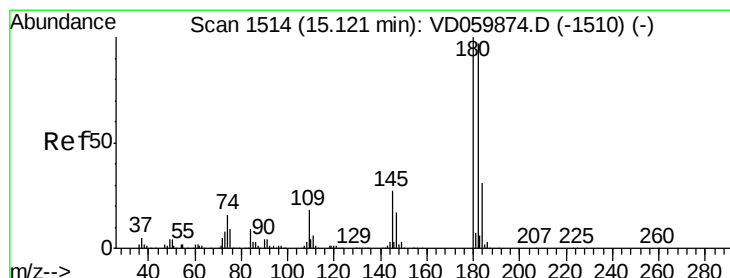
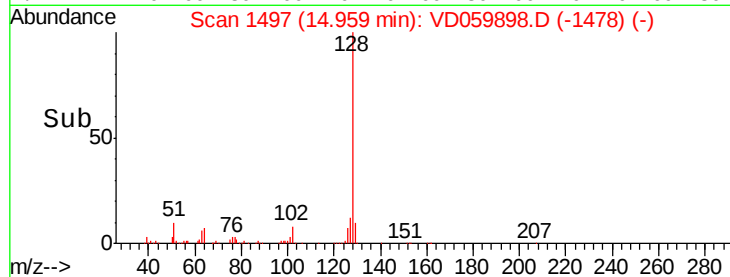
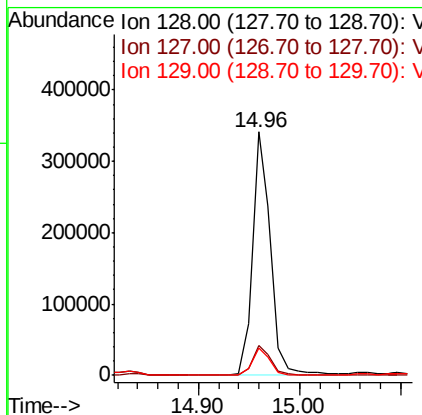
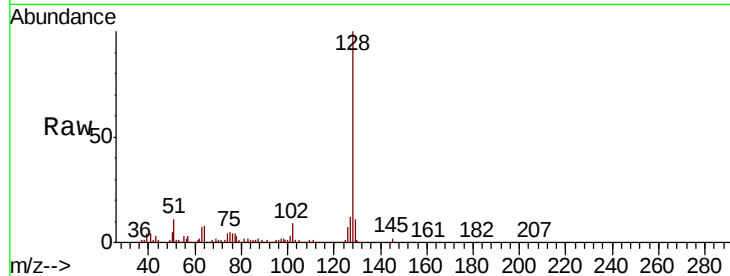
ClientSampleId :

RA-081718-WSW-20-053

Tot Ion:	128	Resp:	426715
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.0	15.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/24/2018 3:09:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 26.10 ug/l

RT: 15.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion:	180	Resp:	110746
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.6	145.8
145	36.5	13.6	40.8

