

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

Quant Time: Aug 24 05:29:26 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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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	112958	15.00	µg/l	98
40) Benzene	6.77	78	994950	54.89	µg/l	99
41) Methacrylonitrile	5.94	41	472540	172.93	µg/l #	77
42) 1,2-Dichloroethane	6.88	62	383890	65.97	µg/l	98
43) Isopropyl Acetate	8.34	43	366890	51.99	µg/l #	99
44) Trichloroethene	7.73	130	248178	46.50	µg/l	97
45) 1,2-Dichloropropane	8.09	63	293011	57.83	µg/l	97
46) Dibromomethane	8.20	93	213057	65.40	µg/l	99
47) Bromodichloromethane	8.47	83	439902	59.65	µg/l	100
48) Methyl methacrylate	8.23	41	313550	76.22	µg/l	98
49) 1,4-Dioxane	8.21	88	59881	1630.41	µg/l #	89
51) 4-Methyl-2-Pentanone	9.33	43	2174742	413.35	µg/l	97
52) Toluene	9.54	92	565271	48.63	µg/l	99
53) t-1,3-Dichloropropene	9.91	75	420902	61.70	µg/l	98
54) cis-1,3-Dichloropropene	9.09	75	476602	60.26	µg/l	98
55) 1,1,2-Trichloroethane	10.17	97	258924	60.94	µg/l	96
56) Ethyl methacrylate	10.02	69	310732	63.37	µg/l	97
57) 1,3-Dichloropropane	10.37	76	405888	66.01	µg/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	882927	375.36	µg/l	99
59) 2-Hexanone	10.48	43	1565933	403.53	µg/l	99
60) Dibromochloromethane	10.63	129	326032	61.05	µg/l	98
61) 1,2-Dibromoethane	10.75	107	272930	63.53	µg/l	100
64) Tetrachloroethene	10.24	164	179378	40.18	µg/l	97
65) Chlorobenzene	11.31	112	593561	51.73	µg/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	249986	59.64	µg/l	98
67) Ethyl Benzene	11.42	91	884362	45.82	µg/l	98
68) m/p-Xylenes	11.55	106	636165	90.52	µg/l	95
69) o-Xylene	11.93	106	313005	45.54	µg/l	97
70) Styrene	11.95	104	584391	49.10	µg/l	96
71) Bromoform	12.11	173	239885	66.14	µg/l	98
73) Isopropylbenzene	12.27	105	614334	44.63	µg/l	99
74) N-amyl acetate	12.13	43	374252	62.09	µg/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	332585	104.45	µg/l	99
76) 1,2,3-Trichloropropane	12.59	75	341610	101.93	µg/l	99
77) Bromobenzene	12.54	156	266329	69.78	µg/l	84
78) n-propylbenzene	12.63	91	730469	41.91	µg/l	95
79) 2-Chlorotoluene	12.70	91	492312	49.94	µg/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	474813	43.39	µg/l	96
81) trans-1,4-Dichloro-2-buten	12.33	75	99142	95.10	µg/l	95
82) 4-Chlorotoluene	12.80	91	572733	50.94	µg/l	96
83) tert-Butylbenzene	13.04	119	466843	37.45	µg/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	565238	49.55	µg/l	99
85) sec-Butylbenzene	13.22	105	376521	25.68	µg/l	98
86) p-Isopropyltoluene	13.34	119	316007	26.50	µg/l	96
87) 1,3-Dichlorobenzene	13.31	146	313153	45.96	µg/l	99
88) 1,4-Dichlorobenzene	13.38	146	337243	49.61	µg/l	99
89) n-Butylbenzene	13.64	91	282383	22.12	µg/l	96
90) Hexachloroethane	13.86	117	81507	25.46	µg/l	73
91) 1,2-Dichlorobenzene	13.65	146	323166	55.78	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	46079	94.13	µg/l	76

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

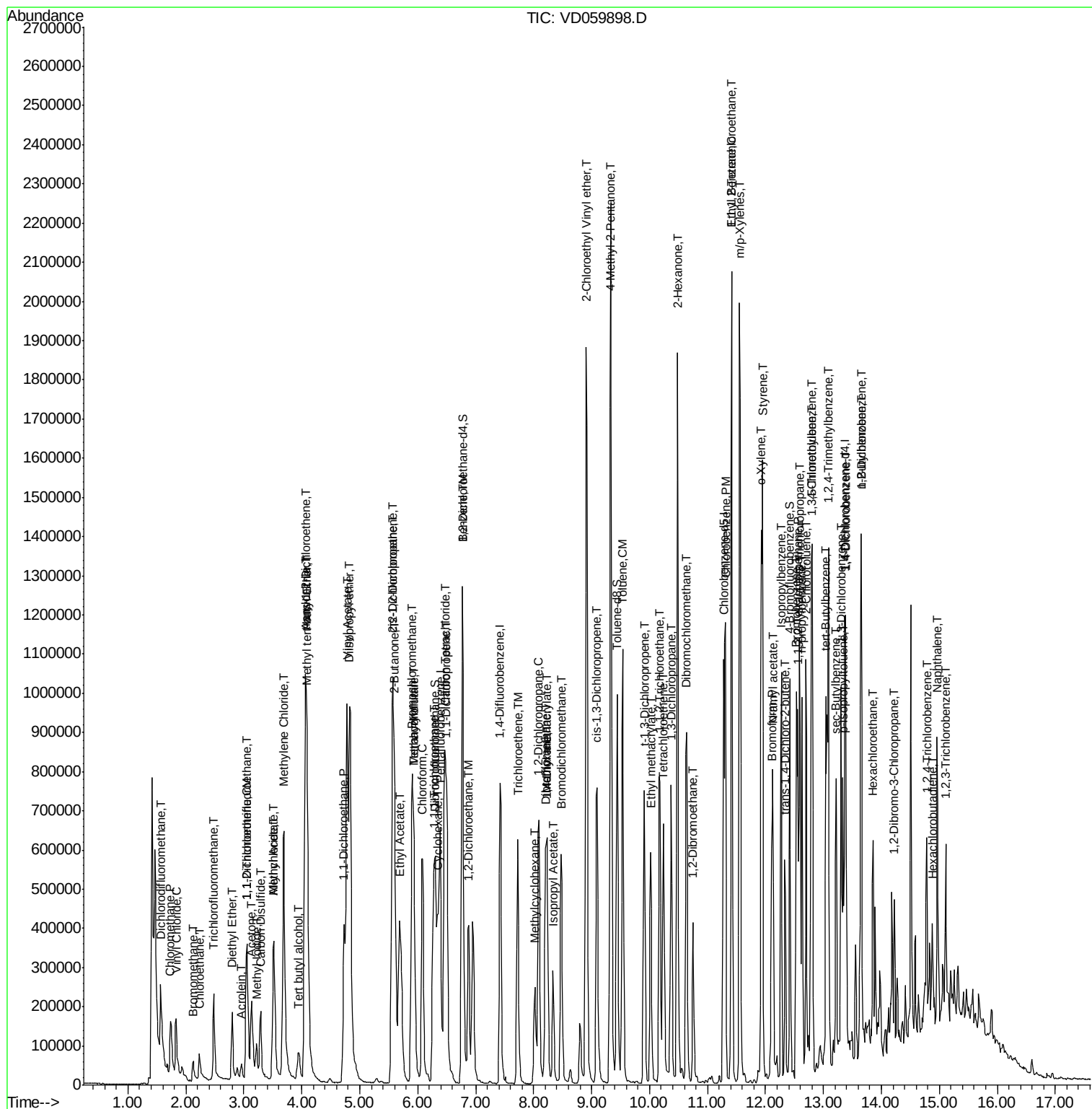
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	121153	24.42	µg/l	98
94) Hexachlorobutadiene	14.87	225	31882	9.80	µg/l	96
95) Naphthalene	14.96	128	426715	56.29	µg/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	110746	26.10	µg/l	96

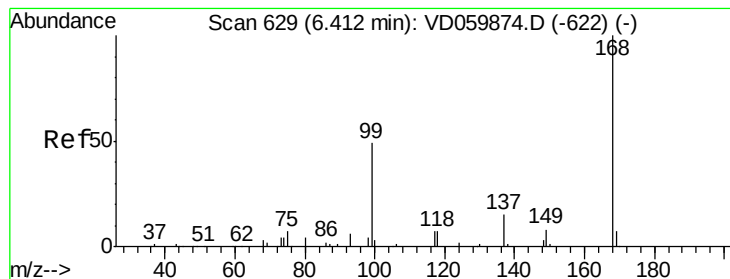
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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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 :

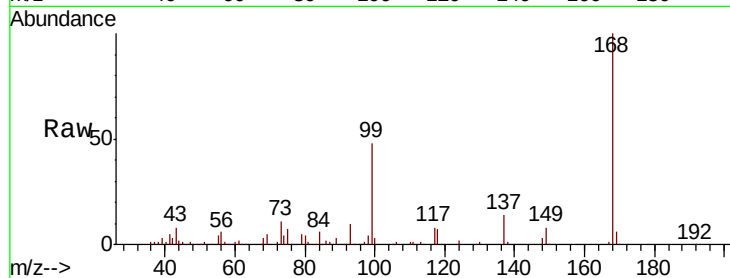
RA-081718-WSW-20-053

Tot Ion:168 Resp: 522981

Ion Ratio Lower Upper

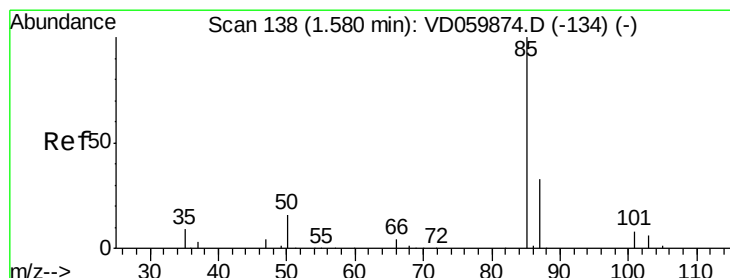
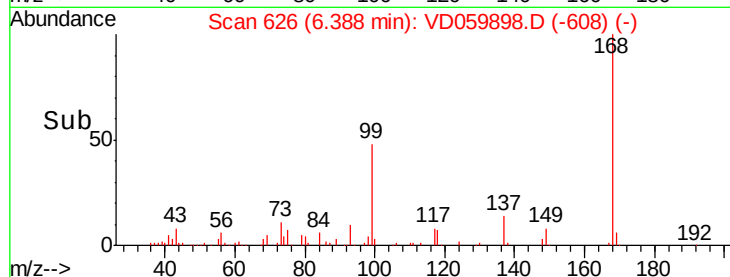
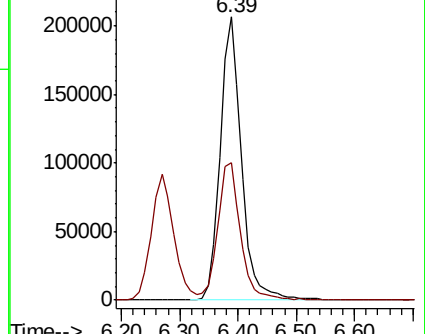
168 100

99 48.4 42.2 63.2



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

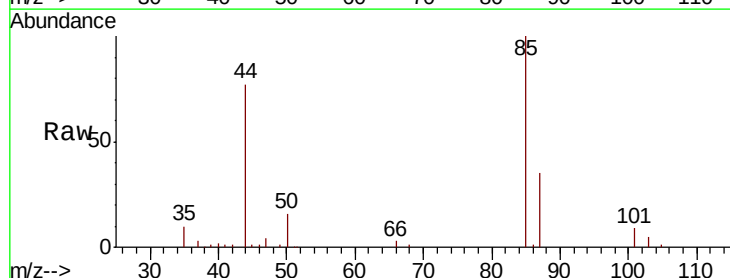
Acq: 23 Aug 2018 19:55

Tgt Ion: 85 Resp: 232660

Ion Ratio Lower Upper

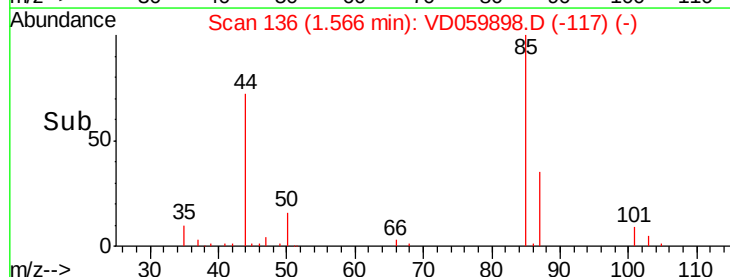
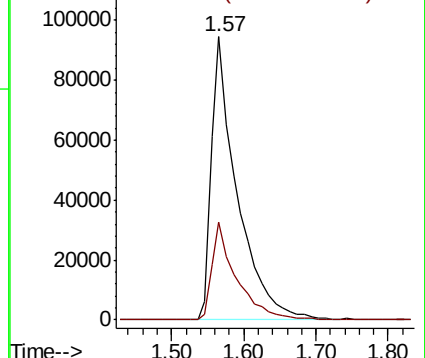
85 100

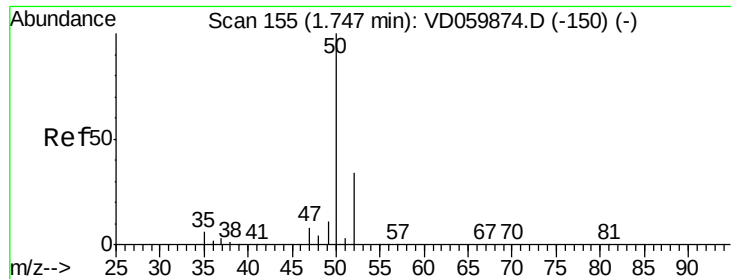
87 34.7 16.8 50.3



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 :

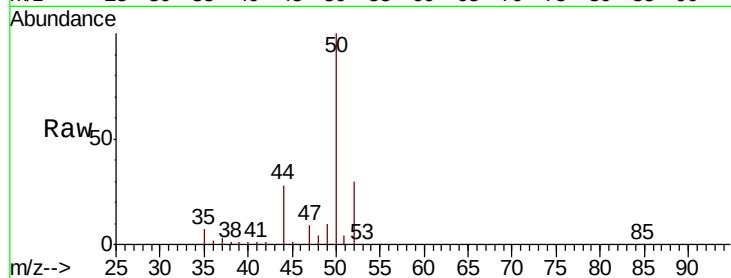
RA-081718-WSW-20-053

Tot Ion: 50 Resp: 224280

Ion Ratio Lower Upper

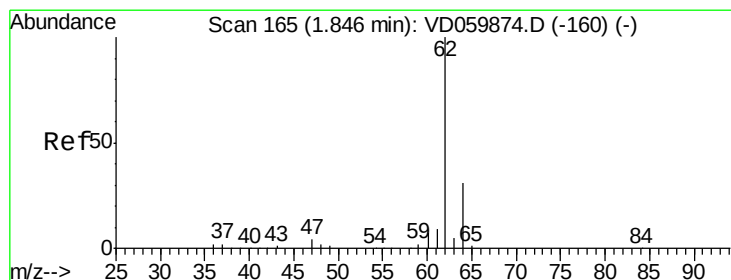
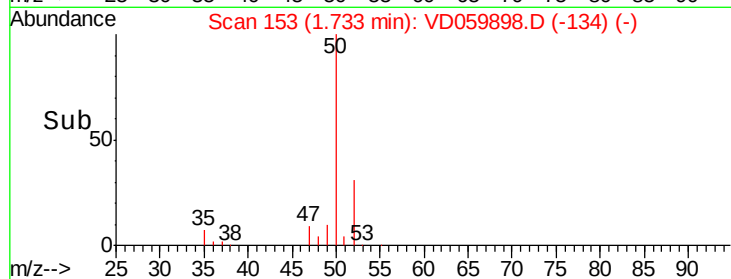
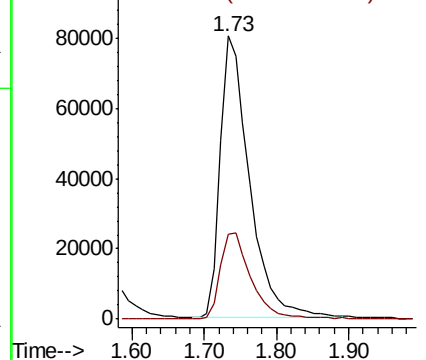
50 100

52 30.2 27.0 40.6



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

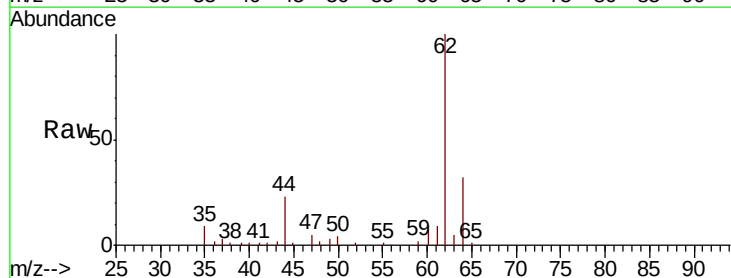
Acq: 23 Aug 2018 19:55

Tgt Ion: 62 Resp: 177942

Ion Ratio Lower Upper

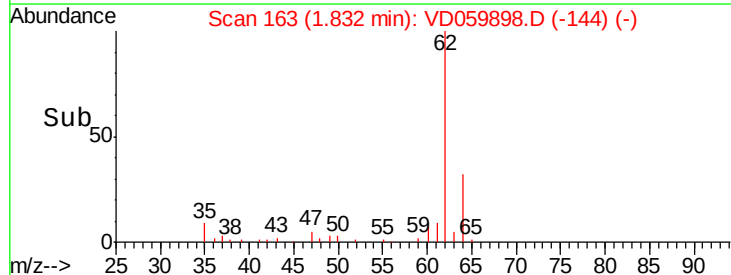
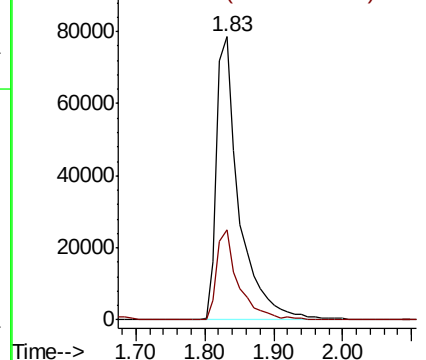
62 100

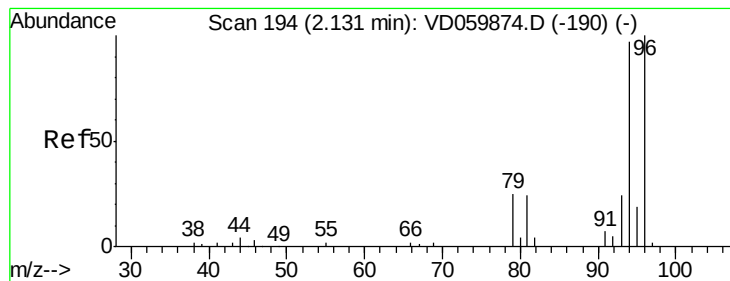
64 31.8 25.0 37.6



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

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Acq: 23 Aug 2018 19:55

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ClientSampleId :

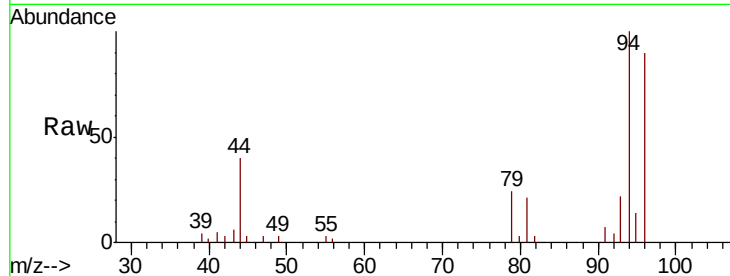
RA-081718-WSW-20-053

Tot Ion: 94 Resp: 41835

Ion Ratio Lower Upper

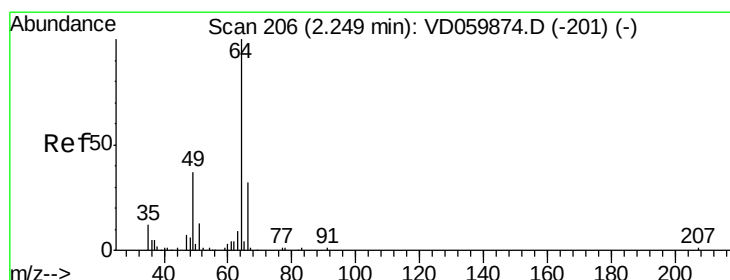
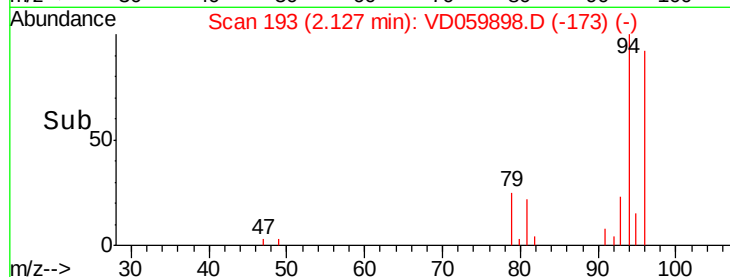
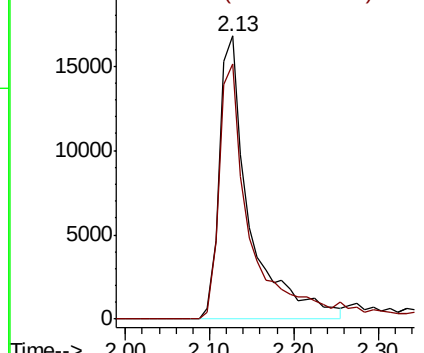
94 100

96 90.0 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 71.20 ug/l

RT: 2.24 min Scan# 204

Delta R.T. -0.01 min

Lab File: VD059898.D

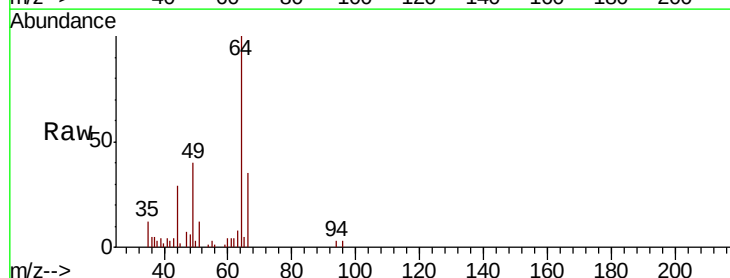
Acq: 23 Aug 2018 19:55

Tgt Ion: 64 Resp: 66740

Ion Ratio Lower Upper

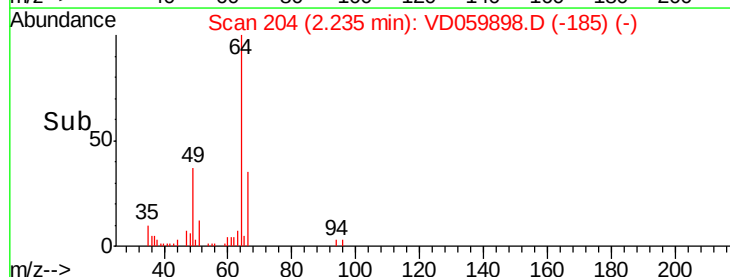
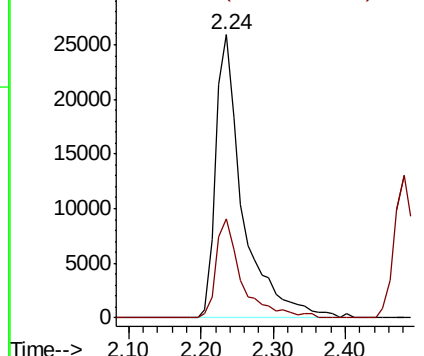
64 100

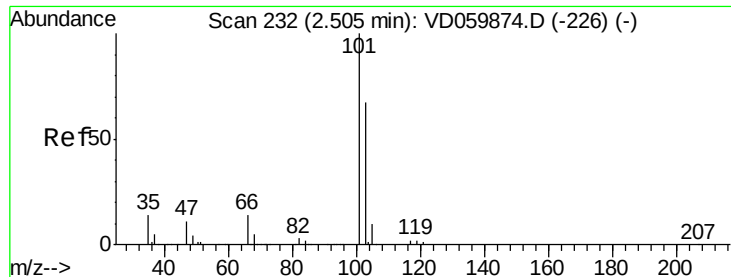
66 35.2 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 50.97 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Instrument :

MSVOA_D

ClientSampleId :

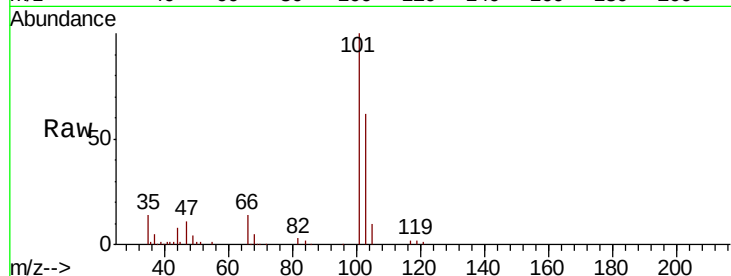
RA-081718-WSW-20-053

Tot Ion:101 Resp: 195810

Ion Ratio Lower Upper

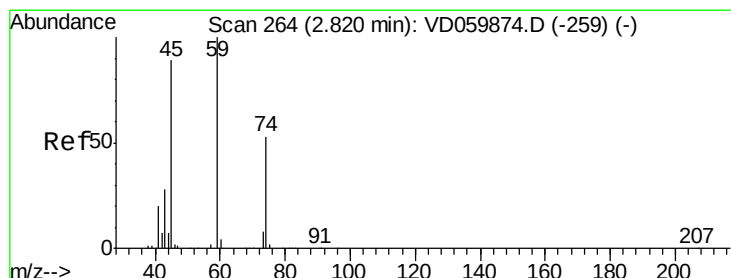
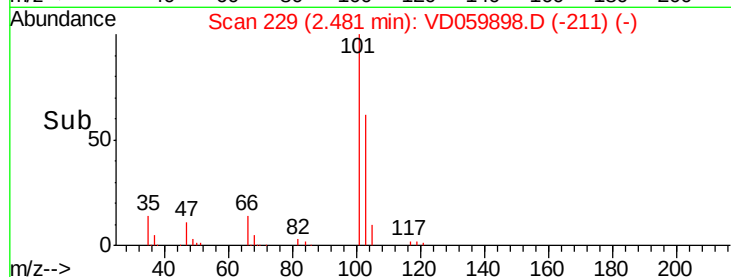
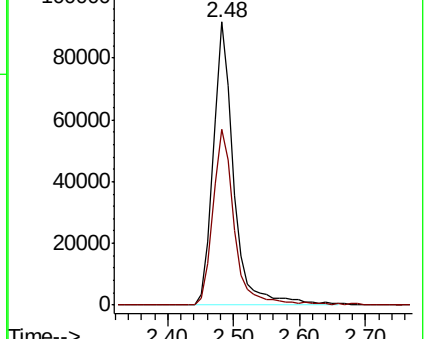
101 100

103 62.1 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 71.97 ug/l

RT: 2.80 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD059898.D

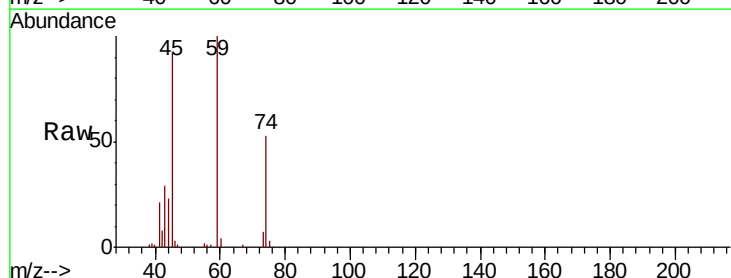
Acq: 23 Aug 2018 19:55

Tgt Ion: 74 Resp: 62025

Ion Ratio Lower Upper

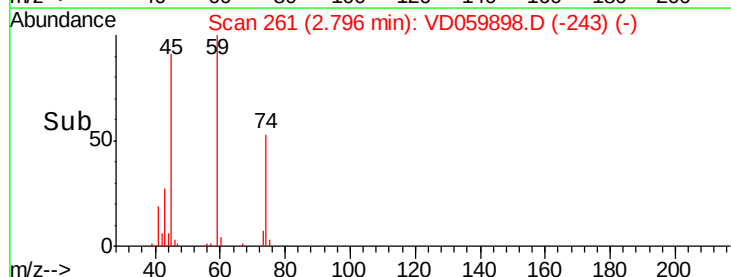
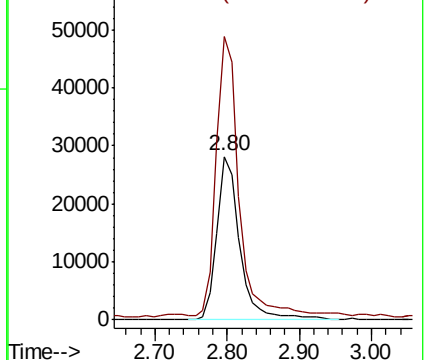
74 100

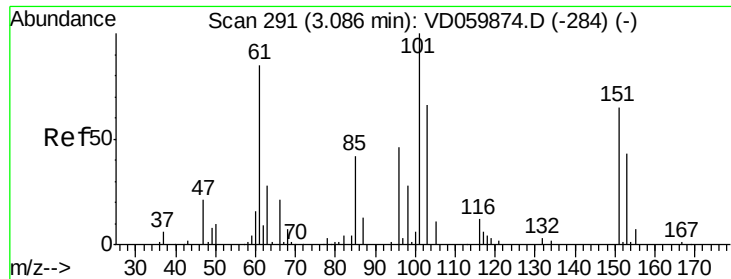
45 173.4 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 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

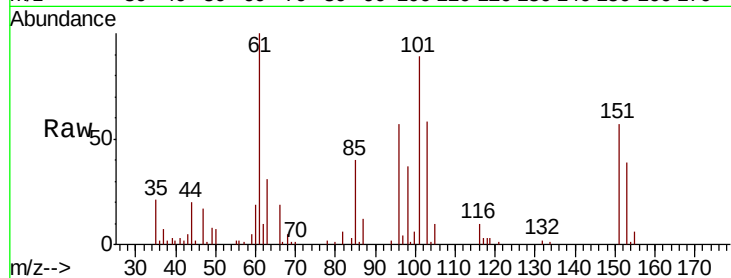
Tot Ion:101 Resp: 97753

Ion Ratio Lower Upper

101 100

85 44.9 33.6 50.4

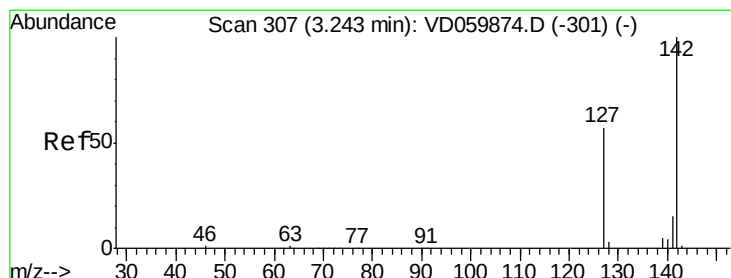
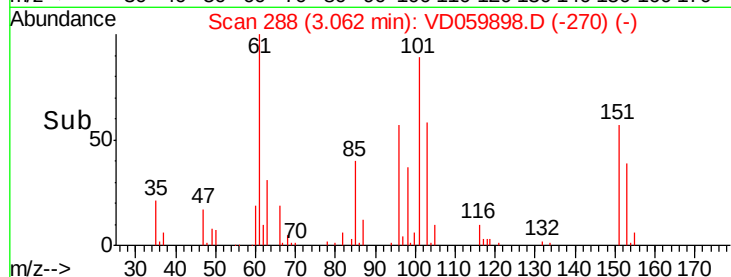
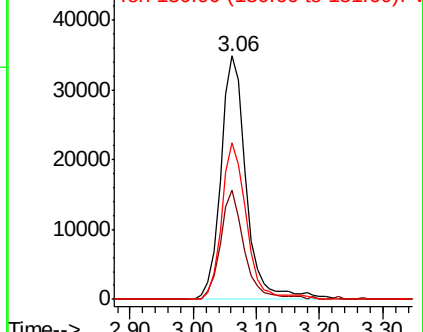
151 64.4 52.0 78.0



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

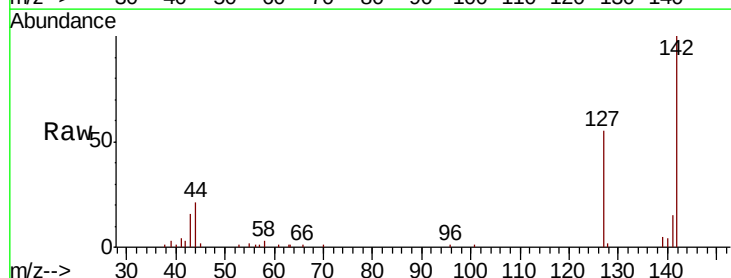
Tgt Ion:142 Resp: 127039

Ion Ratio Lower Upper

142 100

127 55.1 45.8 68.6

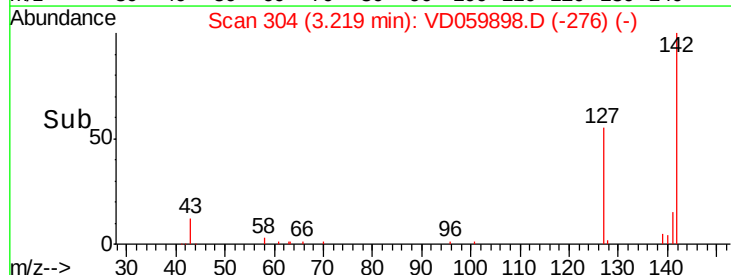
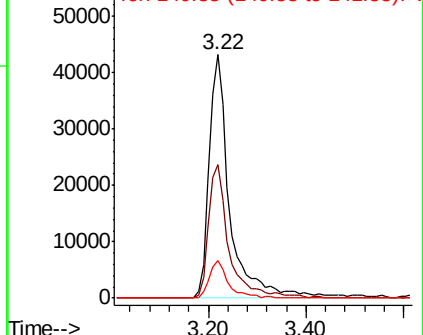
141 15.4 11.6 17.4

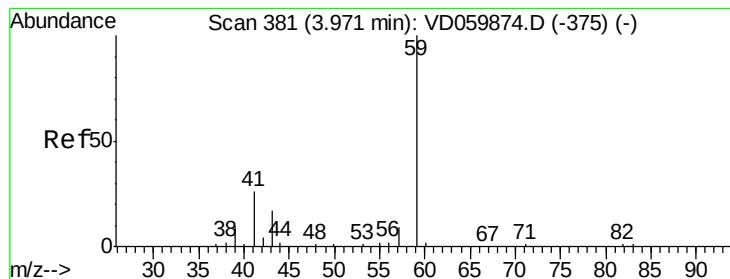


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



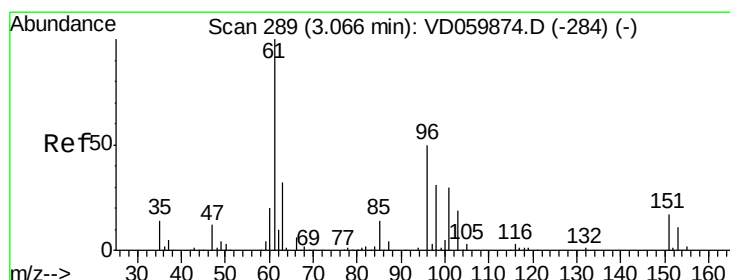
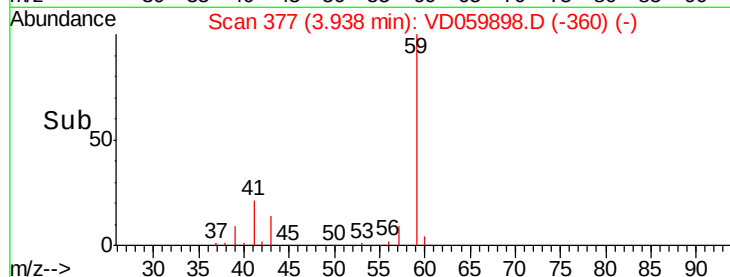
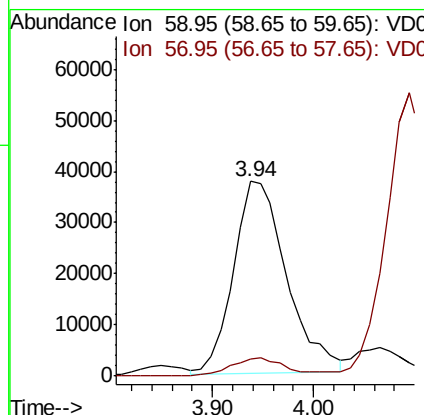
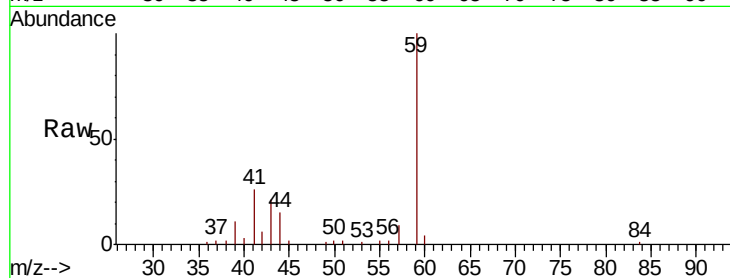


#11

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

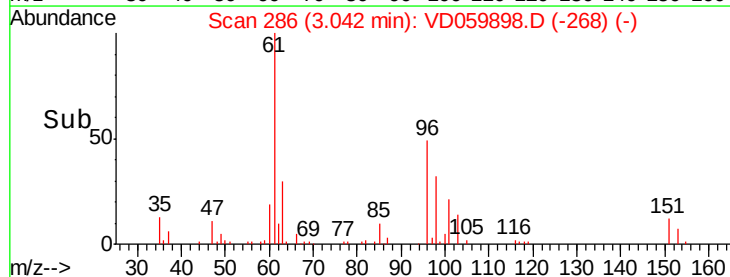
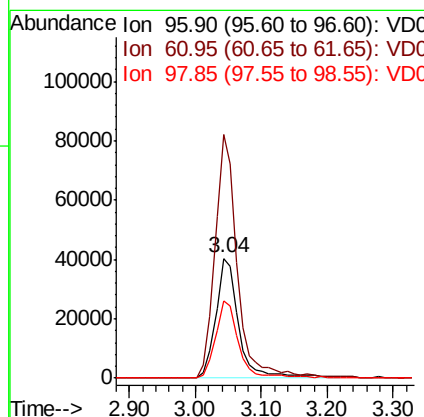
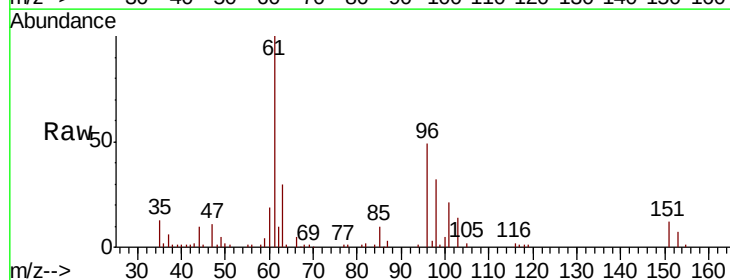
Tot Ion: 59 Resp: 138350
 Ion Ratio Lower Upper
 59 100
 57 8.8 7.4 11.0

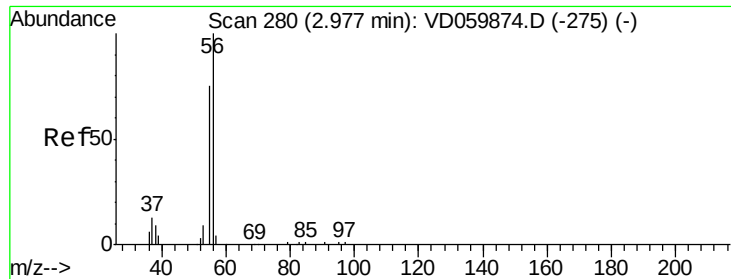


#12

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: 96 Resp: 97196
 Ion Ratio Lower Upper
 96 100
 61 203.3 158.8 238.2
 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 :

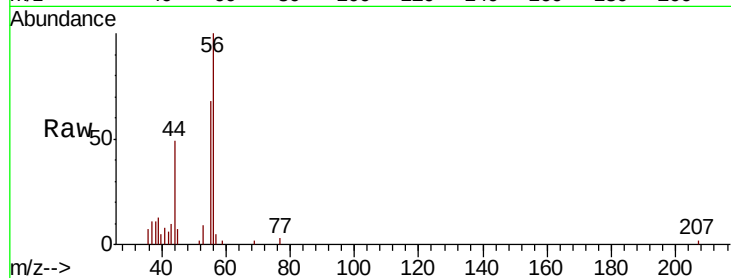
RA-081718-WSW-20-053

Tot Ion: 56 Resp: 44114

Ion Ratio Lower Upper

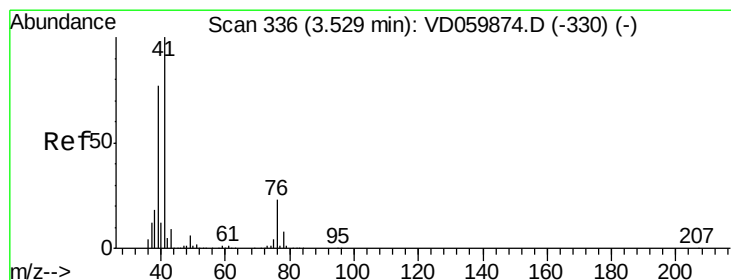
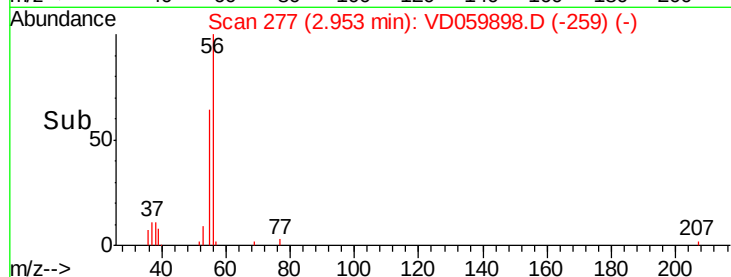
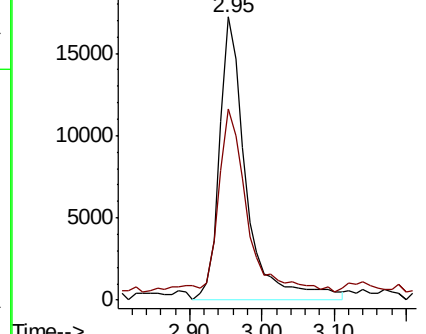
56 100

55 67.8 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#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

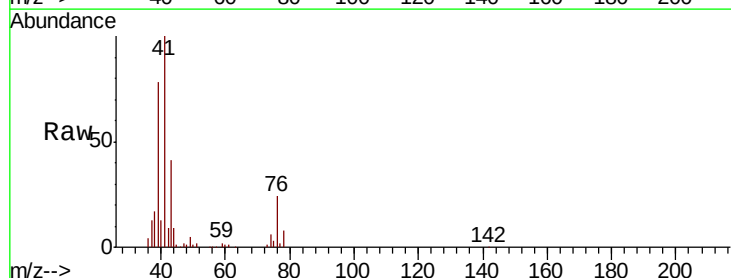
Tgt Ion: 41 Resp: 252628

Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.6

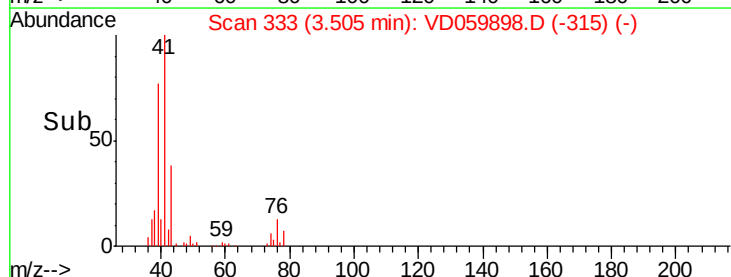
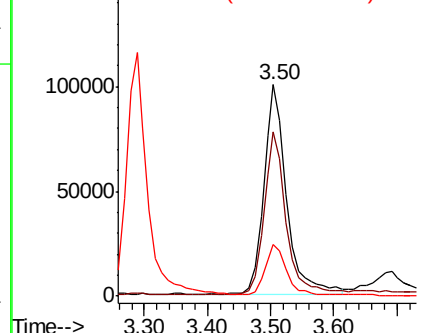
76 24.2 19.4 29.2

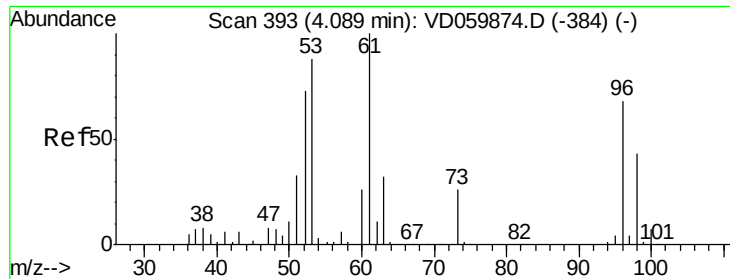


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 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

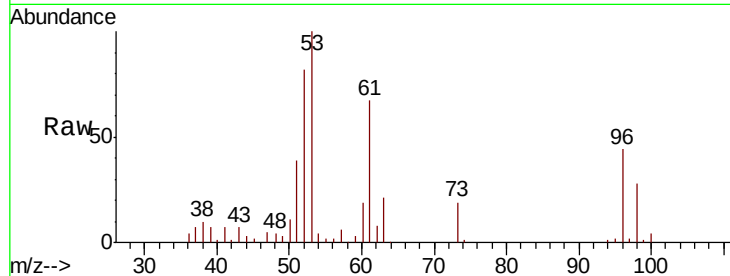
Tot Ion: 53 Resp: 511365

Ion Ratio Lower Upper

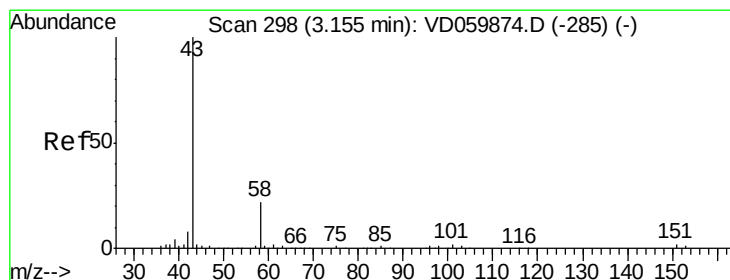
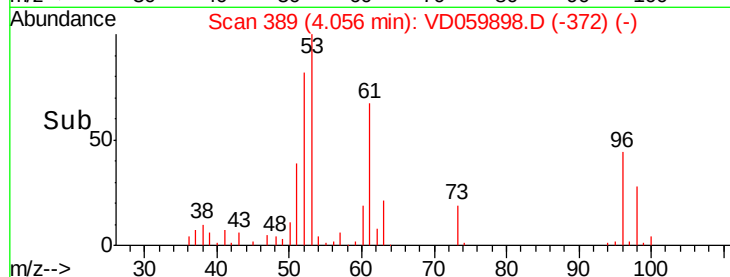
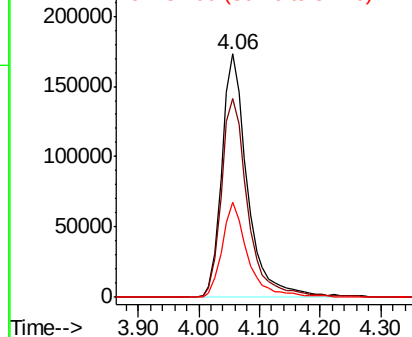
53 100

52 81.8 66.9 100.3

51 39.1 30.3 45.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 454.66 ug/l

RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

Lab File: VD059898.D

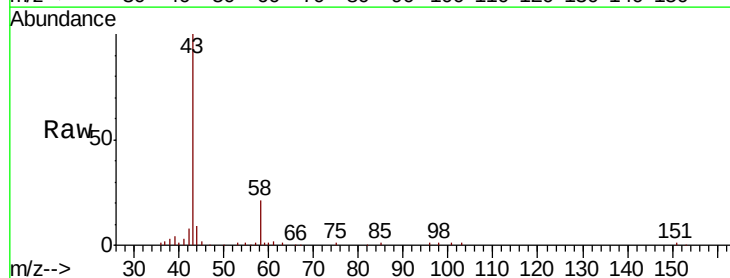
Acq: 23 Aug 2018 19:55

Tgt Ion: 43 Resp: 365124

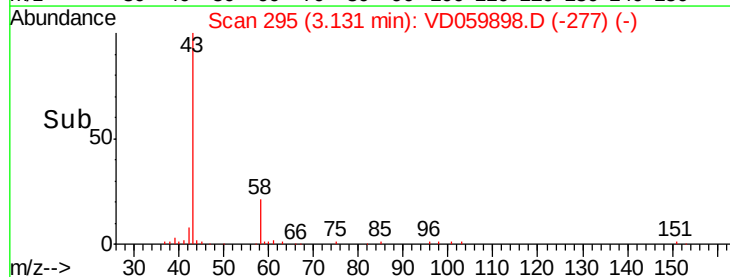
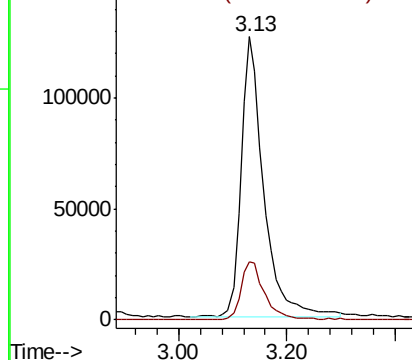
Ion Ratio Lower Upper

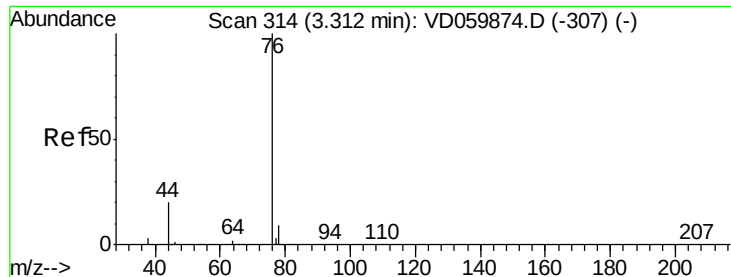
43 100

58 20.6 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#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 :

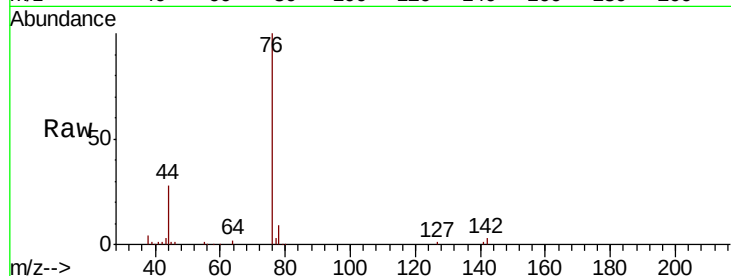
RA-081718-WSW-20-053

Tot Ion: 76 Resp: 273866

Ion Ratio Lower Upper

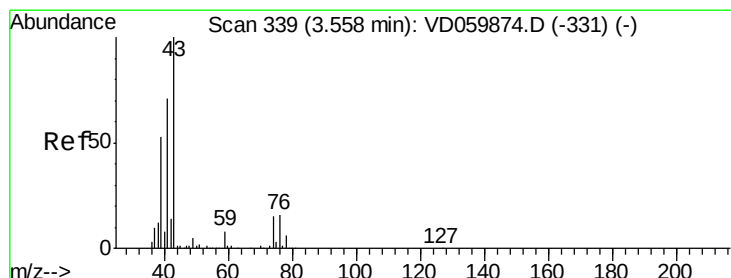
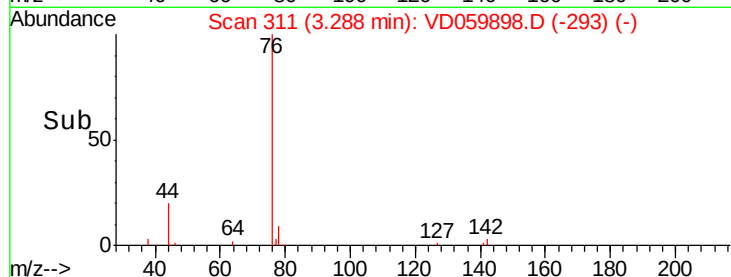
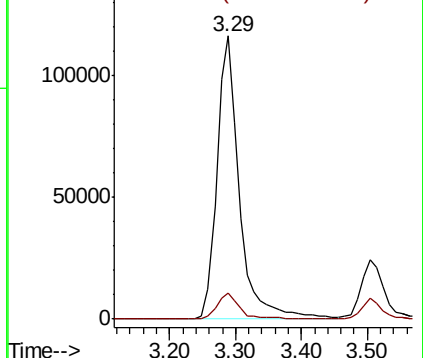
76 100

78 9.2 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 193.96 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.03 min

Lab File: VD059898.D

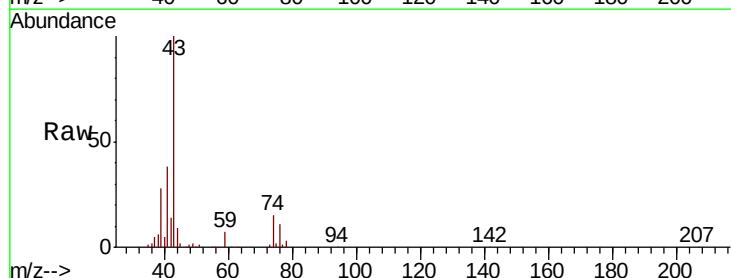
Acq: 23 Aug 2018 19:55

Tgt Ion: 43 Resp: 325173

Ion Ratio Lower Upper

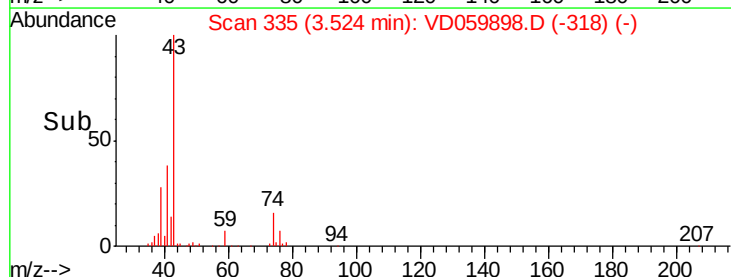
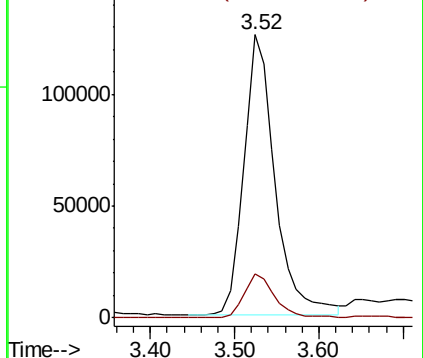
43 100

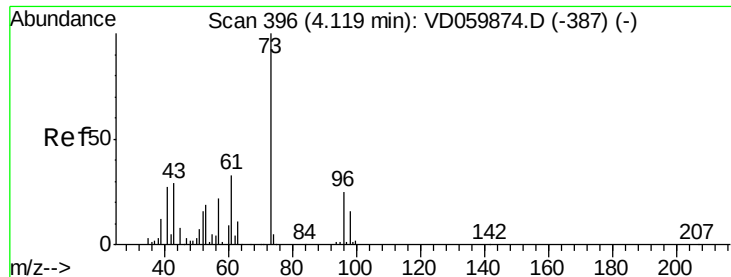
74 15.5 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

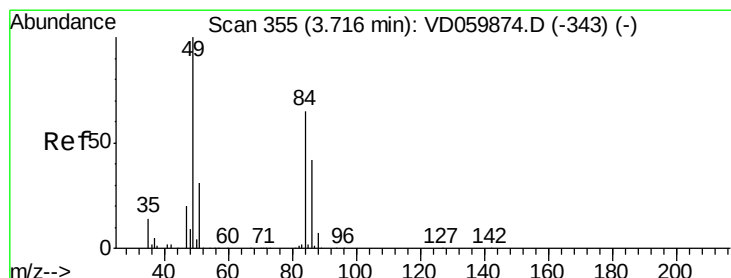
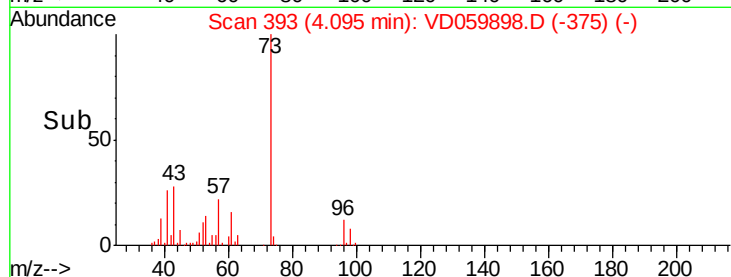
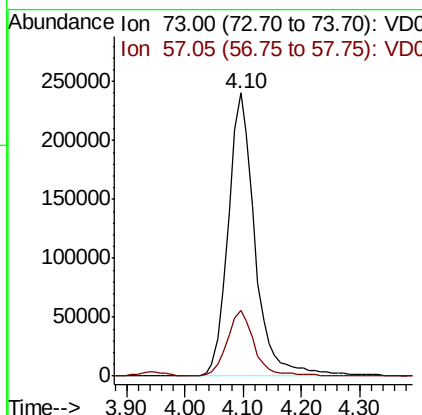
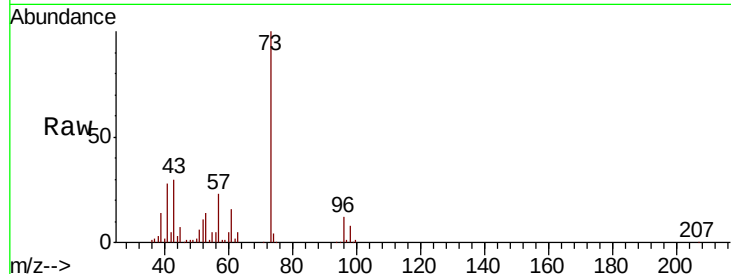




#19
Methyl tert-butyl Ether
Concen: 73.96 ug/l
RT: 4.10 min Scan# 393
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

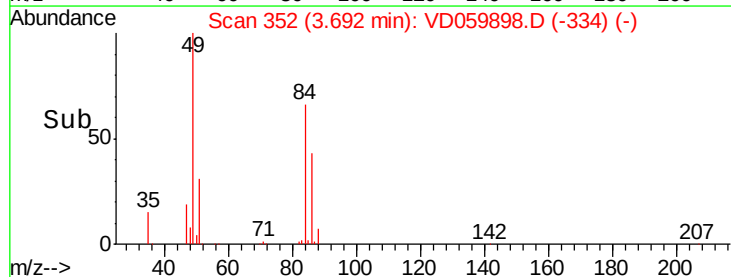
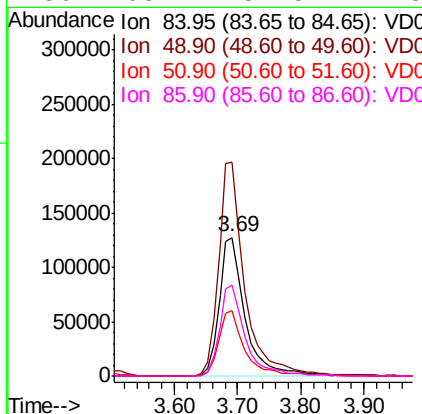
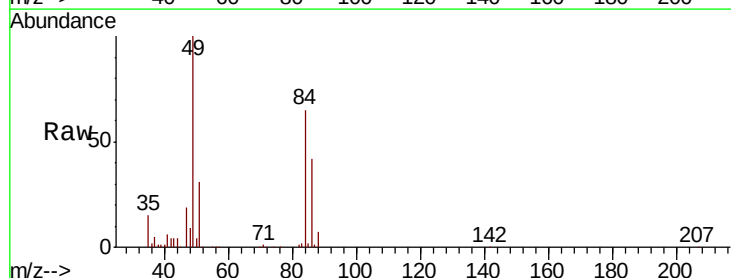
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

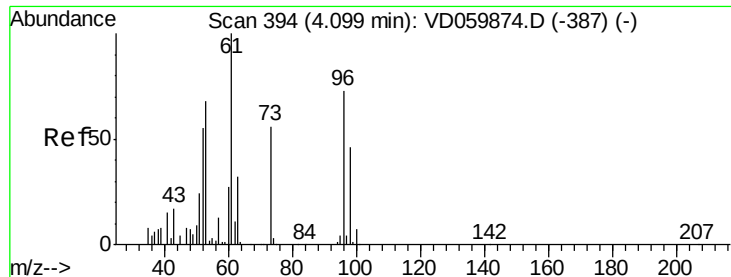
Tot Ion: 73 Resp: 766274
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9



#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

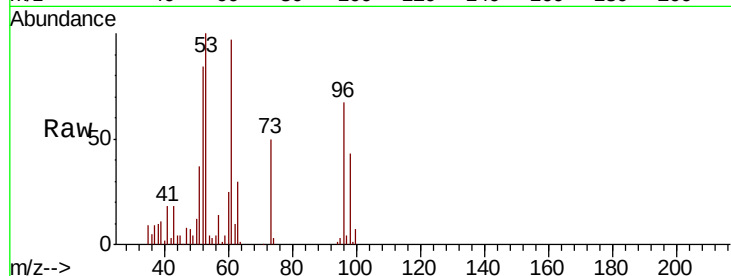
Tot Ion: 96 Resp: 269036

Ion Ratio Lower Upper

96 100

61 144.4 110.2 165.4

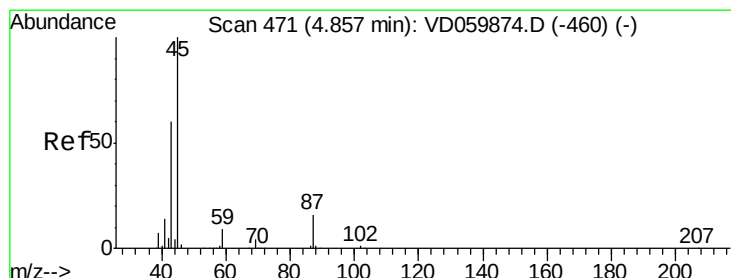
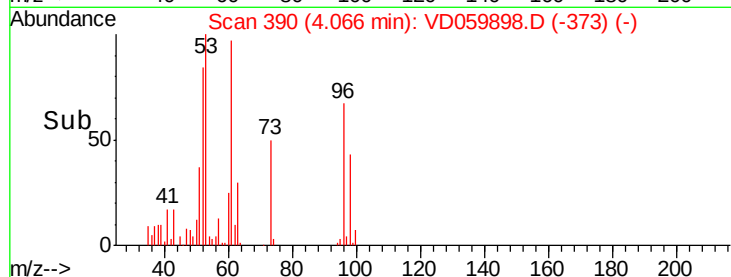
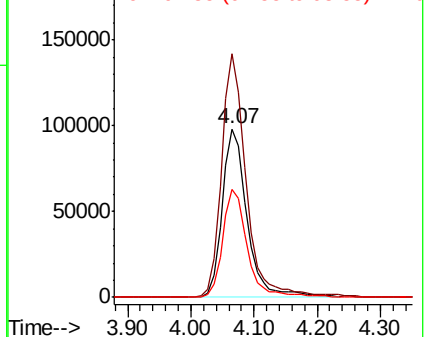
98 64.1 50.9 76.3



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

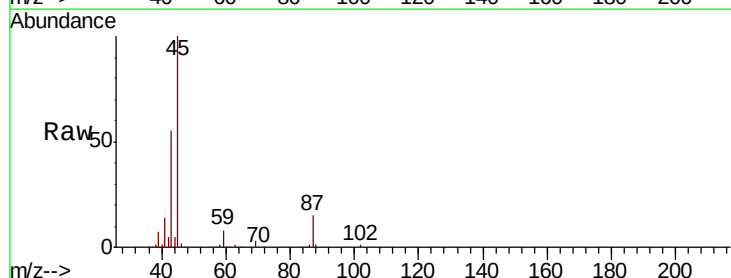
Ion Ratio Lower Upper

45 100

43 54.8 48.6 72.8

87 15.3 13.3 19.9

59 8.1 7.1 10.7

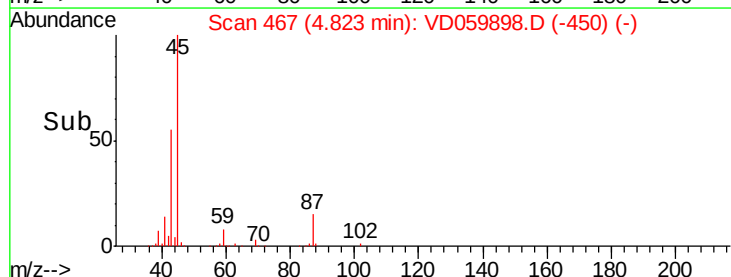
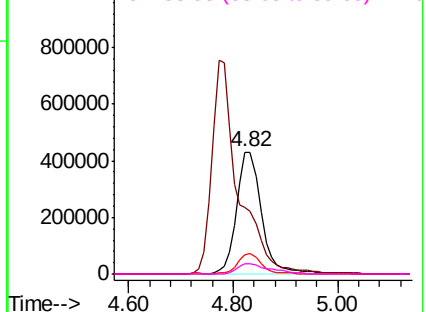


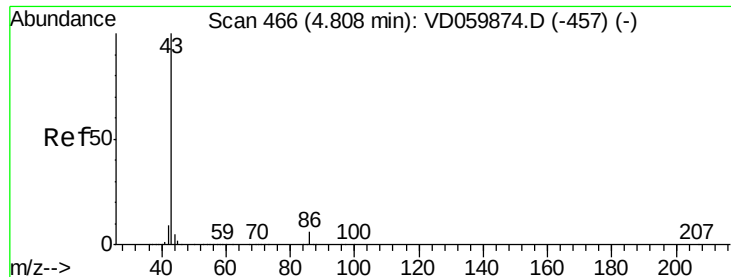
Abundance Ion 45.05 (44.75 to 45.75): VDC

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 :

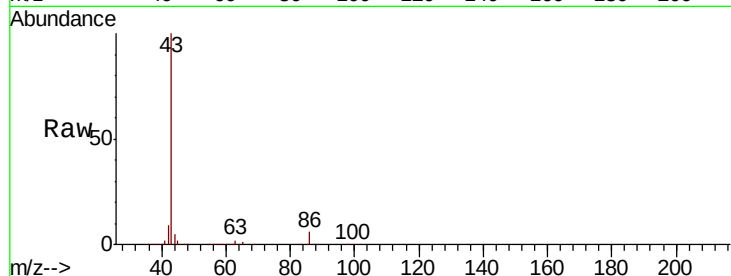
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 2631895

Ion Ratio Lower Upper

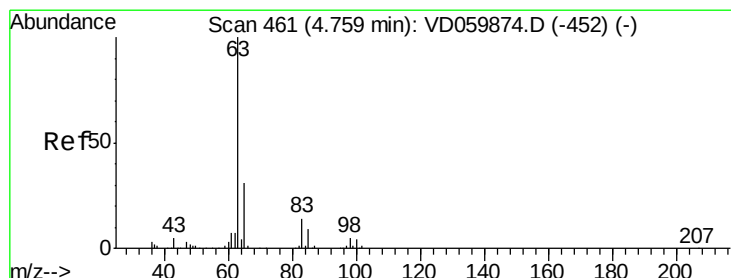
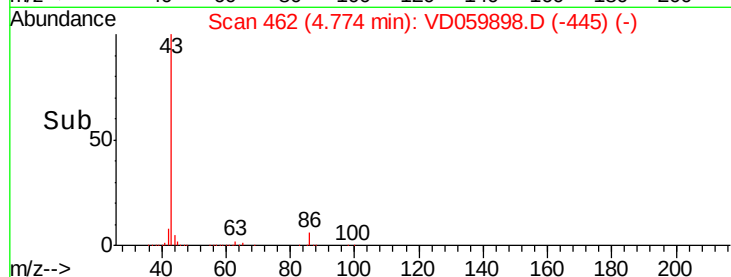
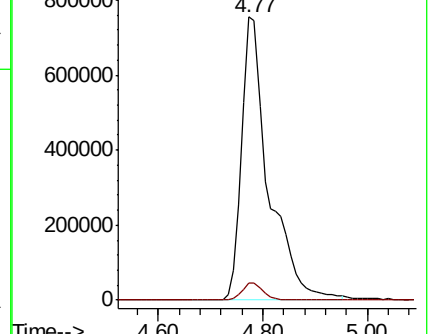
43 100

86 5.9 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#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

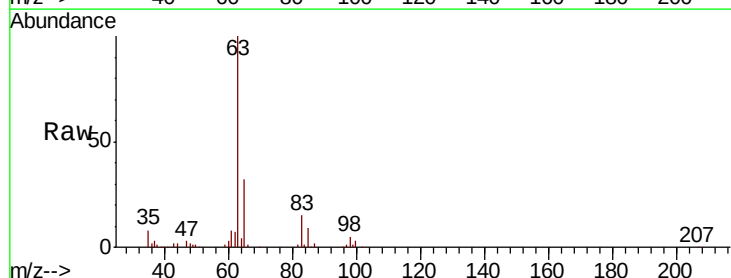
Tgt Ion: 63 Resp: 541387

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

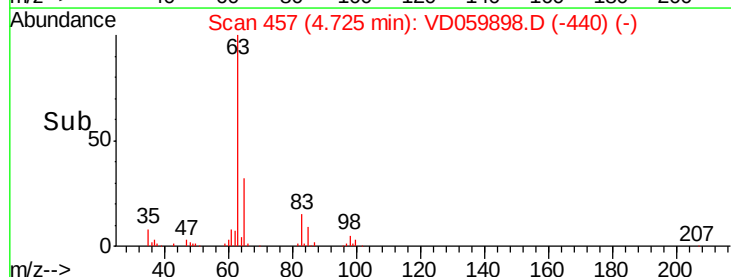
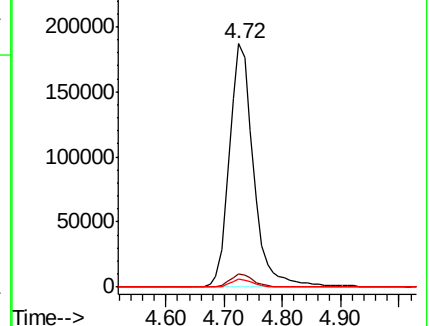
100 3.2 1.8 5.3

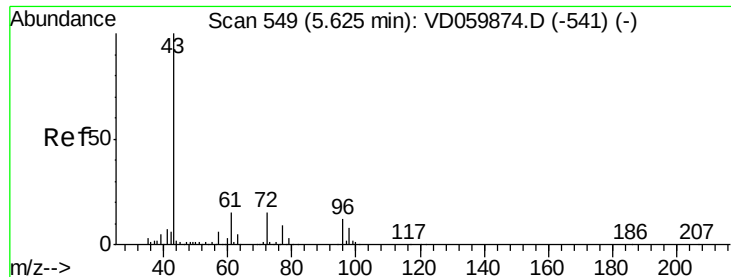


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#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 :

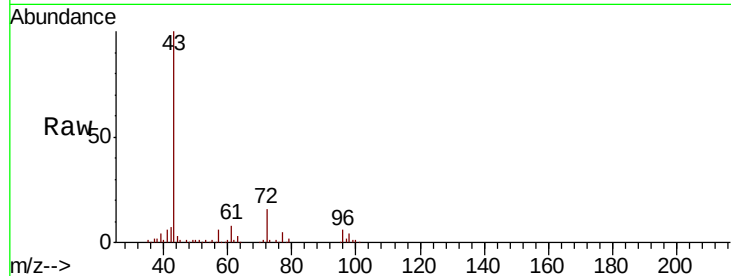
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 1045192

Ion Ratio Lower Upper

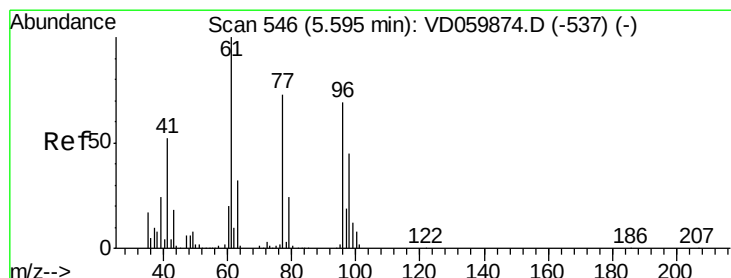
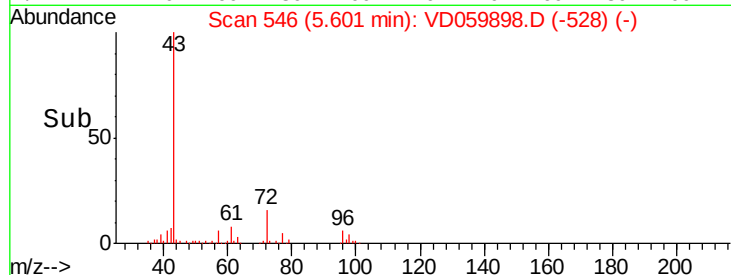
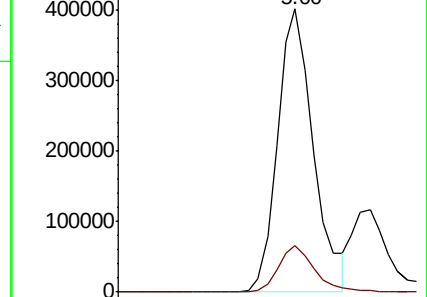
43 100

72 16.3 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#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

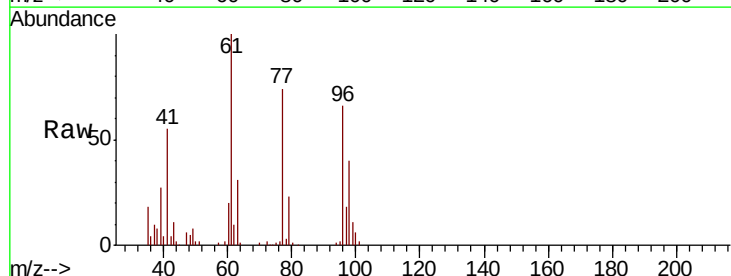
Acq: 23 Aug 2018 19:55

Tgt Ion: 77 Resp: 385886

Ion Ratio Lower Upper

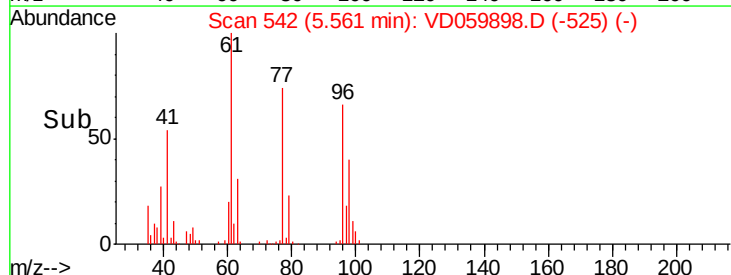
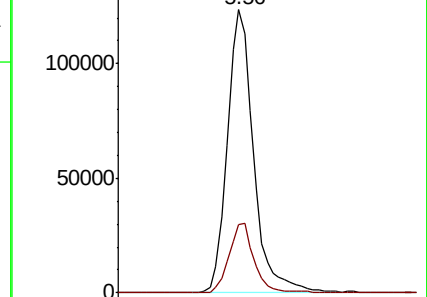
77 100

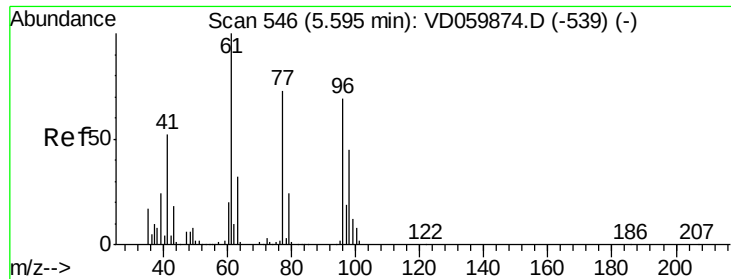
97 24.0 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 58.62 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.02 min

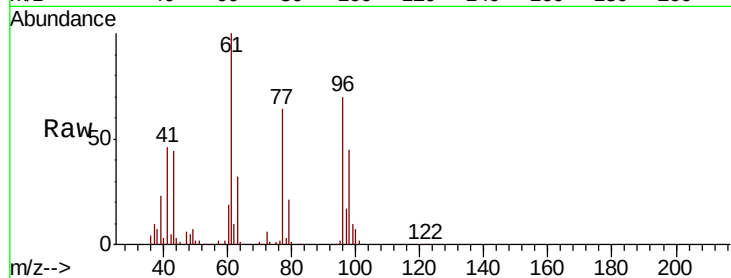
Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

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

Tot Ion: 96 Resp: 323892

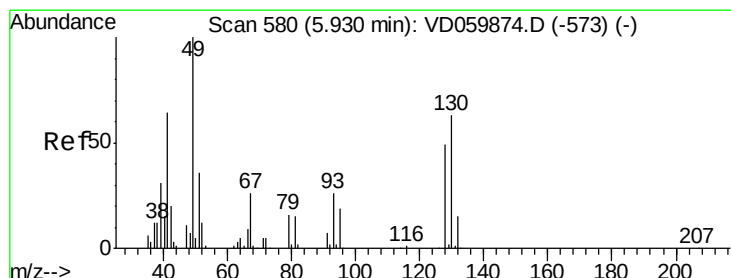
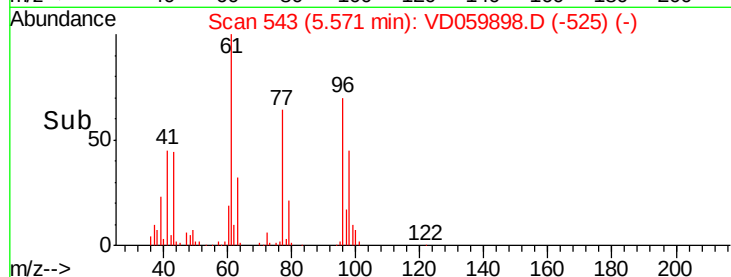
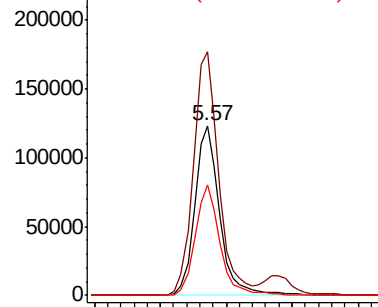
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	290.2
98	65.0	0.0	130.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 68.49 ug/l

RT: 5.91 min Scan# 577

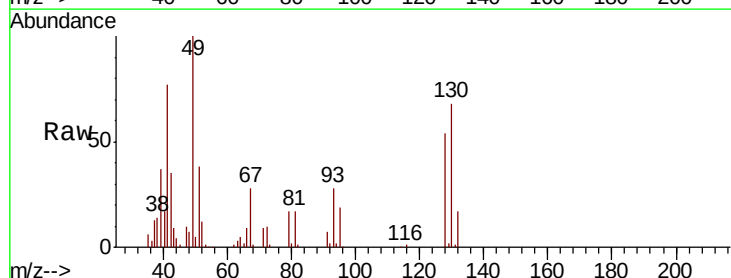
Delta R.T. -0.02 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

Tgt Ion: 49 Resp: 299668

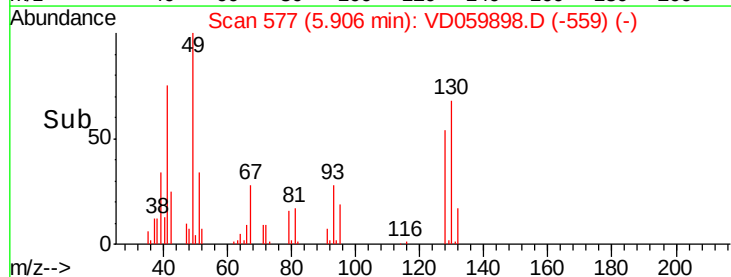
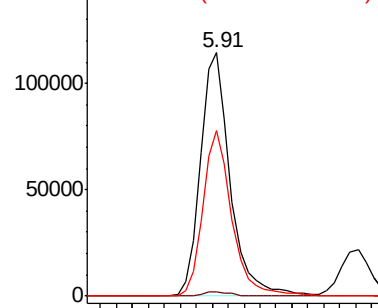
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.2
130	67.9	50.6	75.8

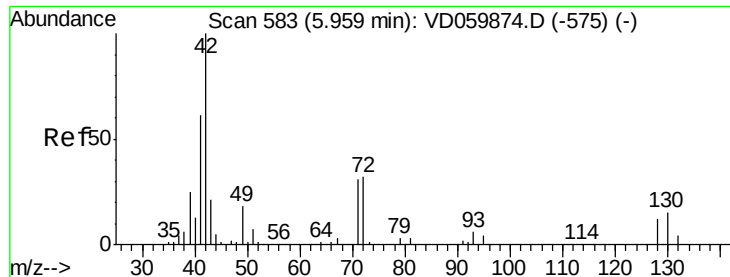


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

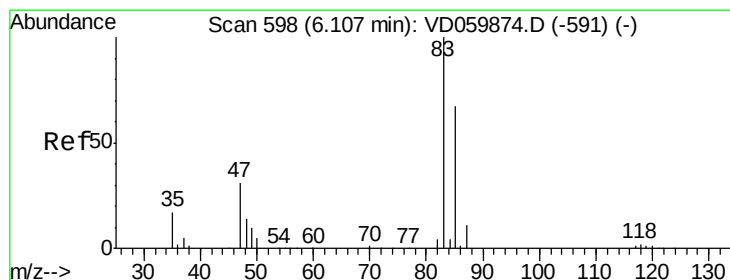
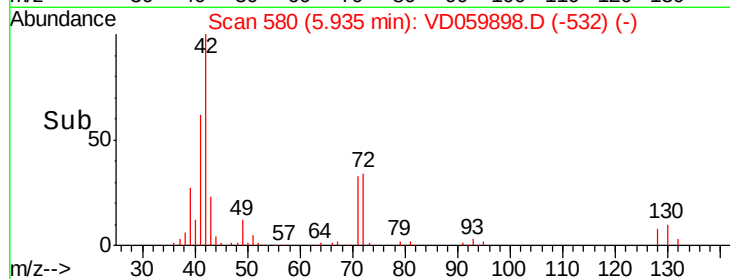
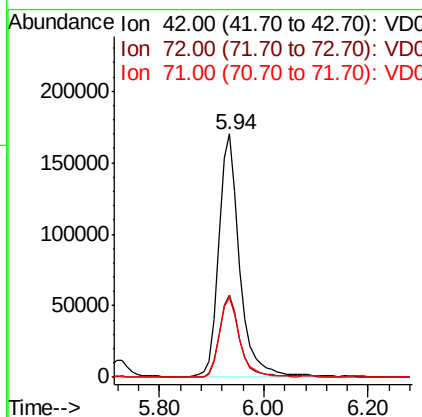
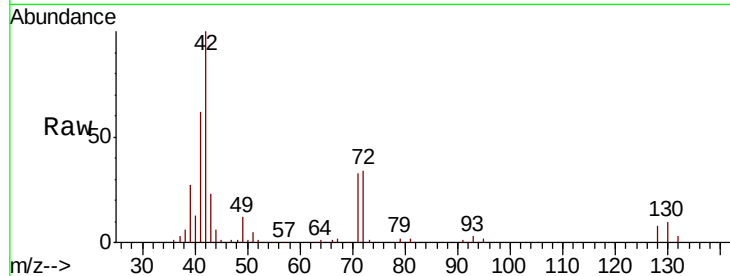




#29
Tetrahydrofuran
Concen: 412.79 ug/l
RT: 5.94 min Scan# 580
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

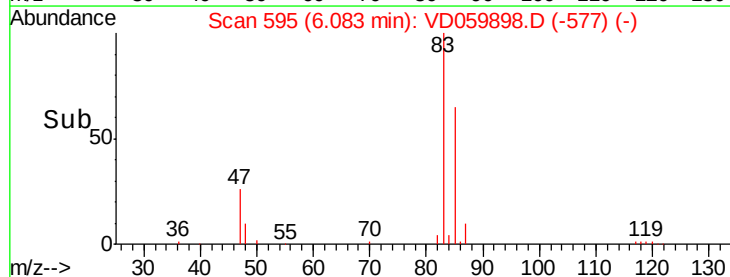
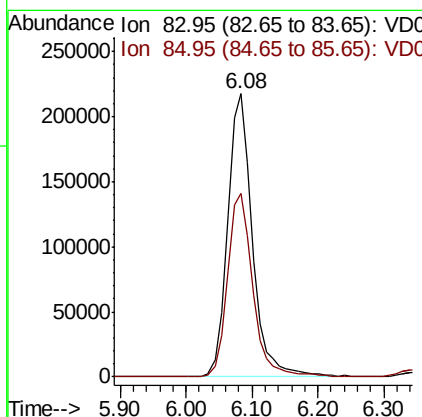
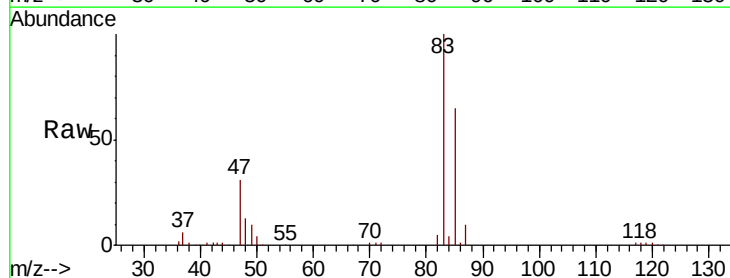
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

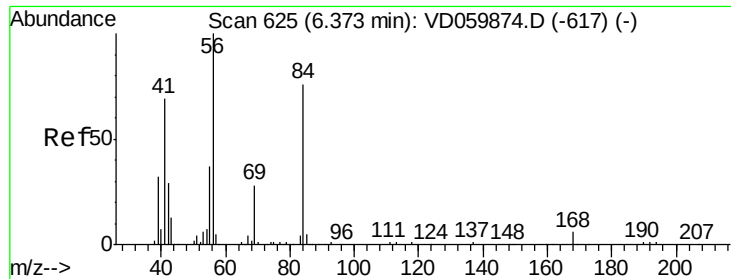
Tot Ion: 42 Resp: 467412
Ion Ratio Lower Upper
42 100
72 32.5 25.7 38.5
71 32.2 25.3 37.9



#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: 83 Resp: 572235
Ion Ratio Lower Upper
83 100
85 64.8 53.5 80.3

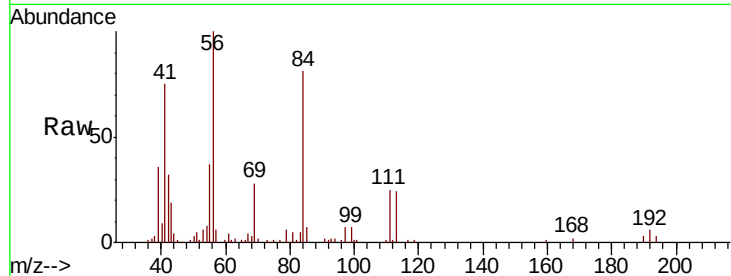




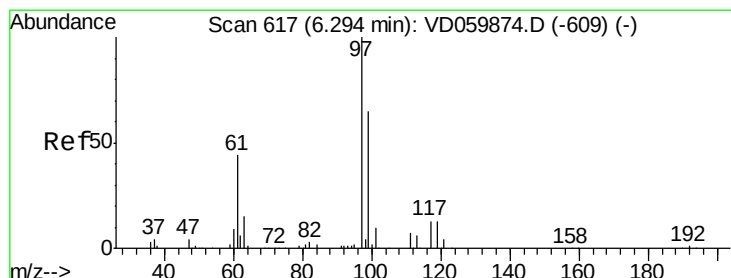
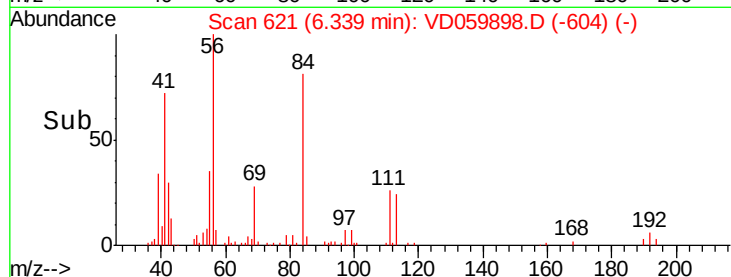
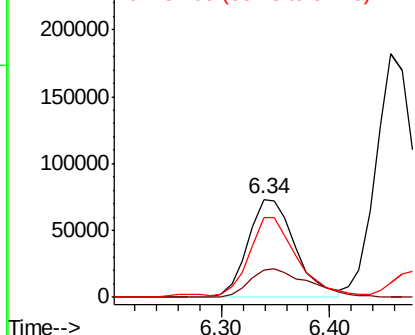
#31
Cyclohexane
Concen: 26.65 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

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

Tot Ion: 56 Resp: 223640
Ion Ratio Lower Upper
56 100
69 27.6 22.4 33.6
84 80.7 62.1 93.1

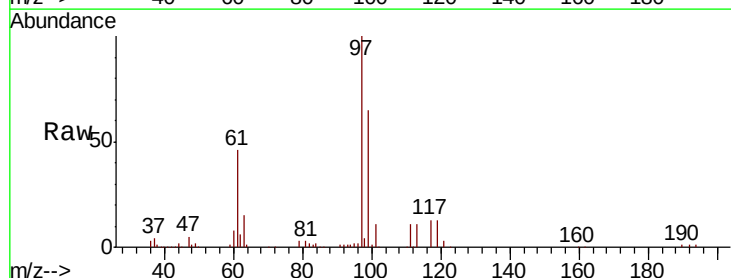


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

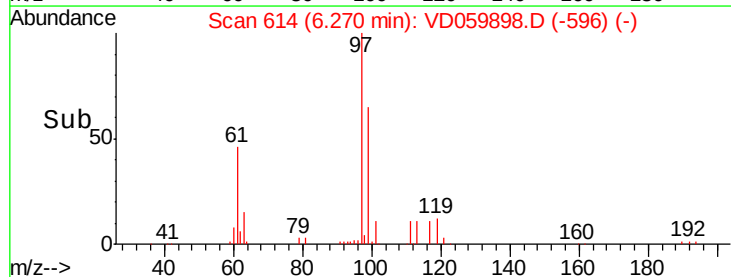
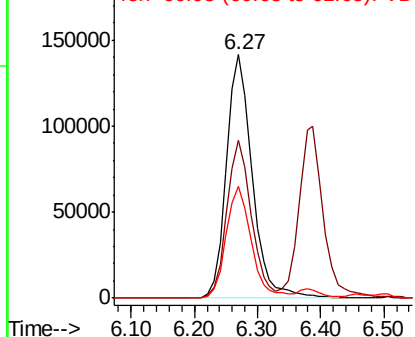


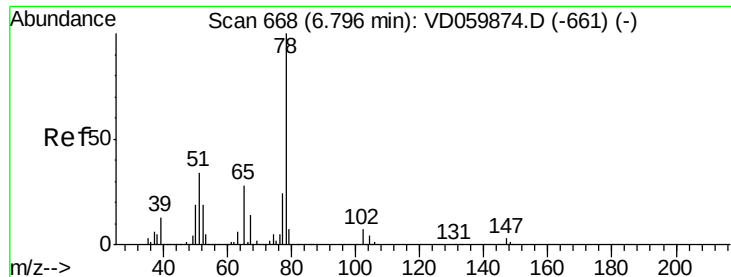
#32
1,1,1-Trichloroethane
Concen: 50.65 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 97 Resp: 398805
Ion Ratio Lower Upper
97 100
99 65.1 51.7 77.5
61 46.0 35.4 53.2



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#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 :

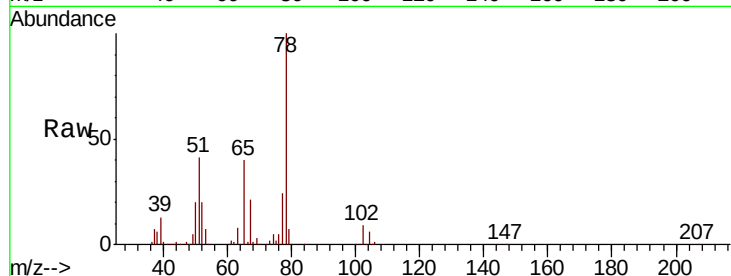
RA-081718-WSW-20-053

Tot Ion: 65 Resp: 303076

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

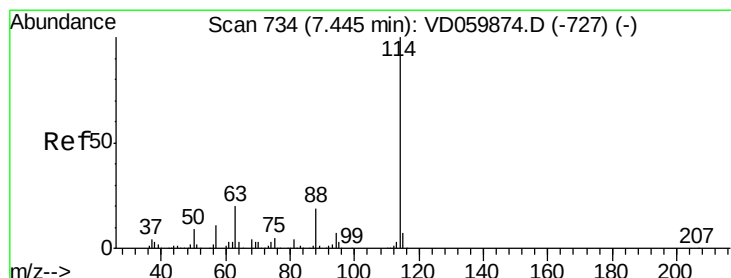
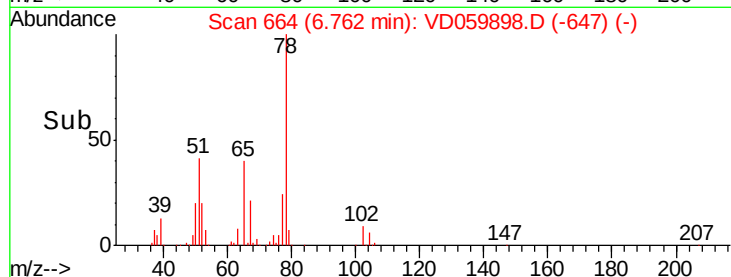
100000

50000

0

Time-->

6.70 6.80



#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

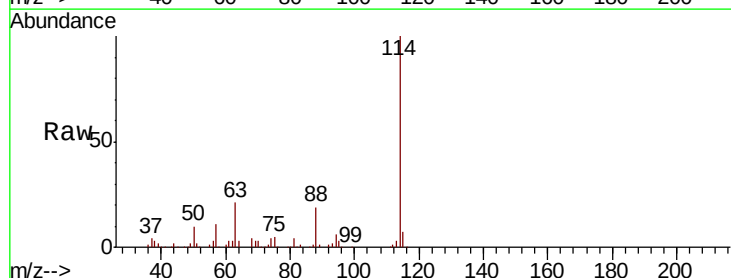
Tgt Ion: 114 Resp: 768992

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.4

88 19.3 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

300000

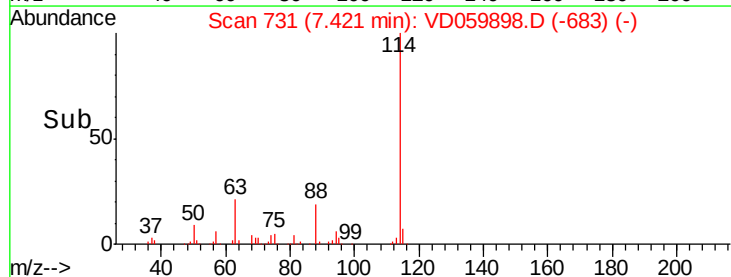
200000

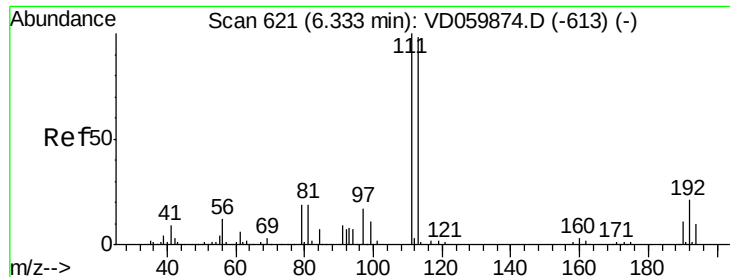
100000

0

Time-->

7.40 7.60

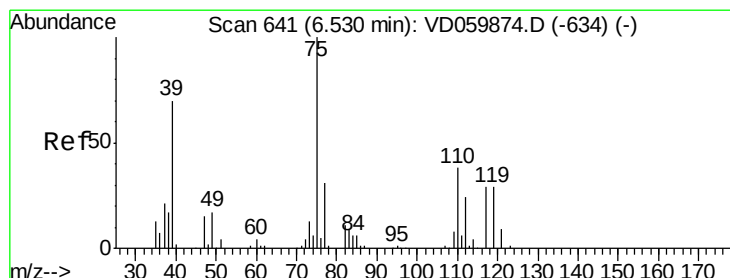
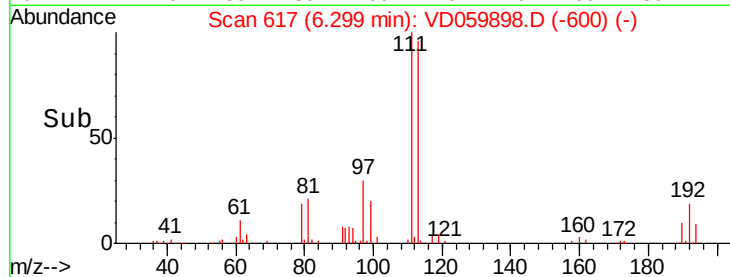
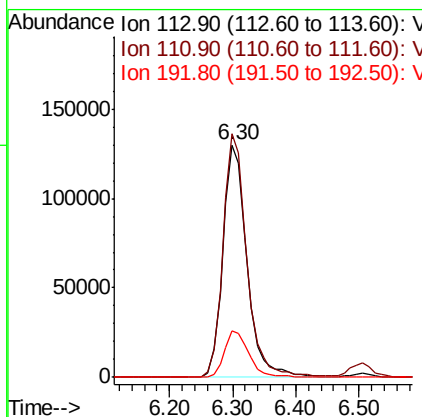
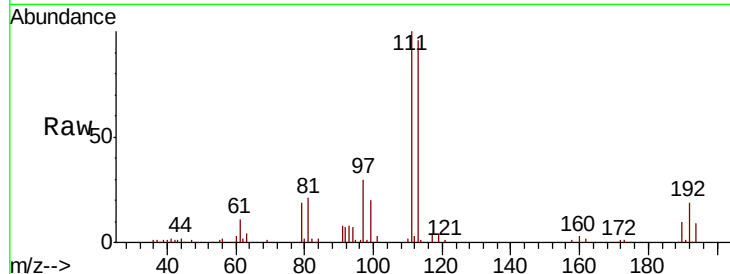




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

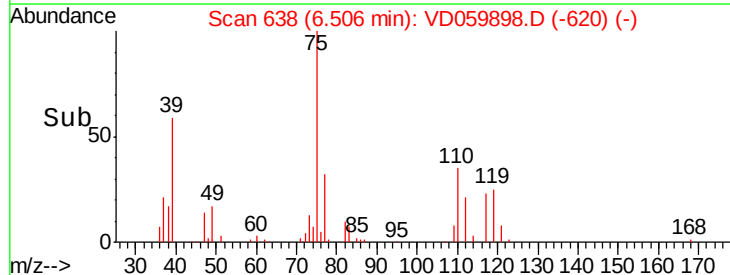
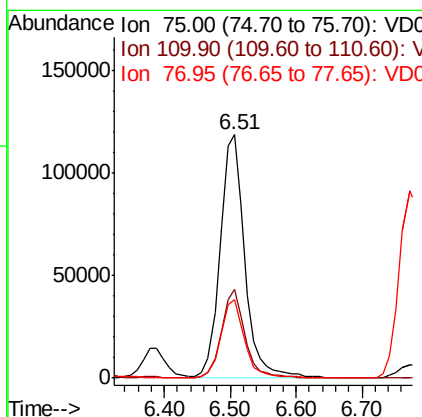
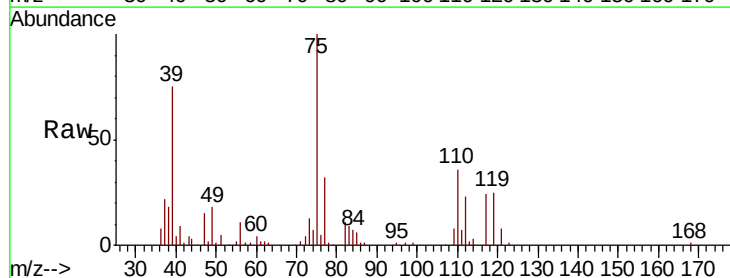
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

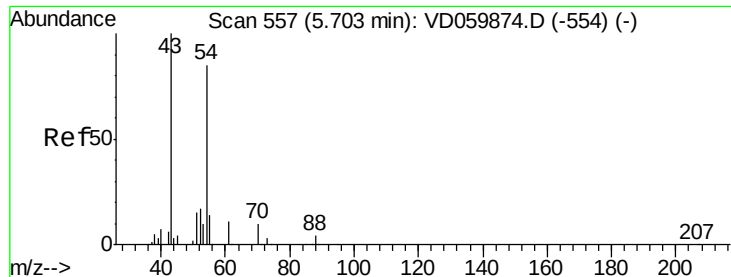
Tot Ion:113 Resp: 343241
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.4 122.2
 192 19.9 17.0 25.6



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

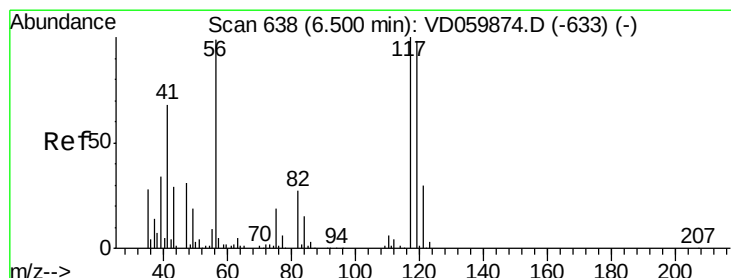
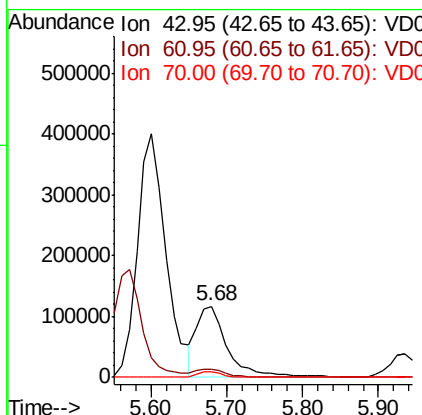
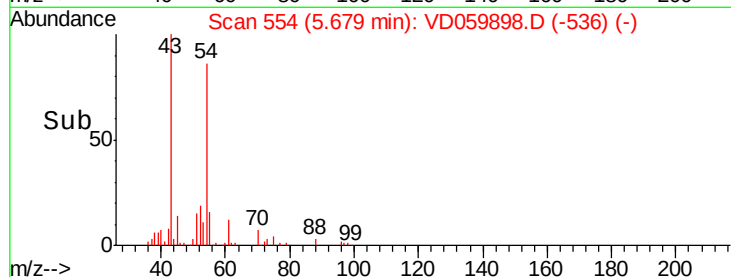
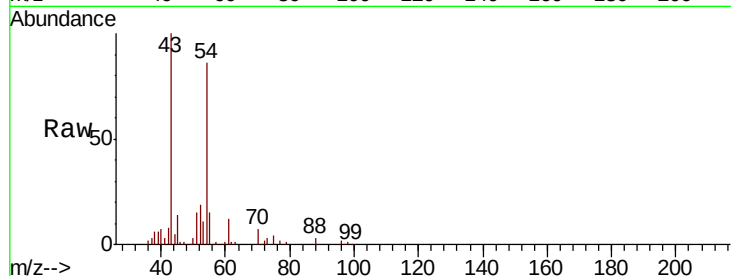




#37
Ethyl Acetate
Concen: 58.38 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

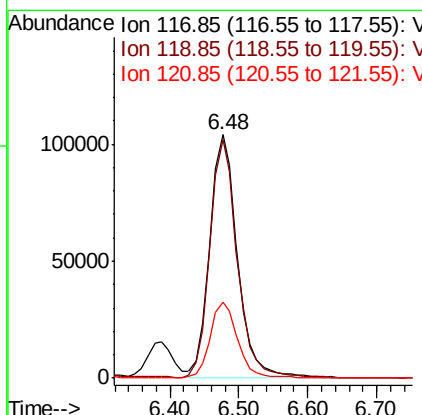
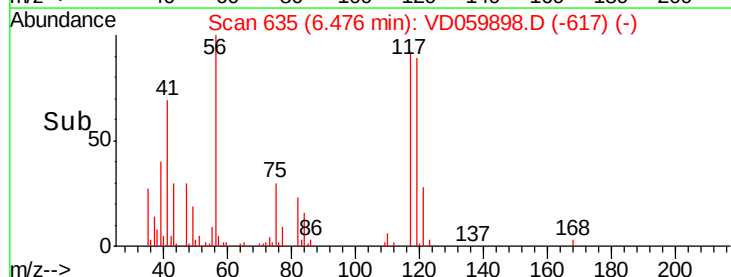
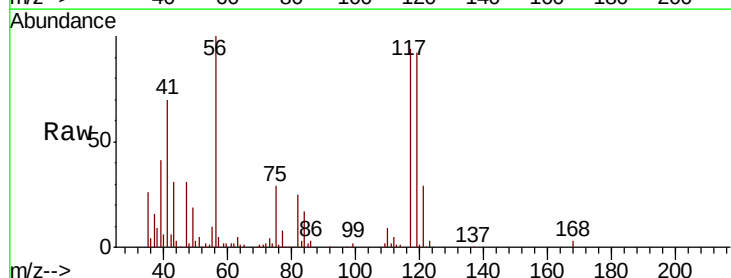
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

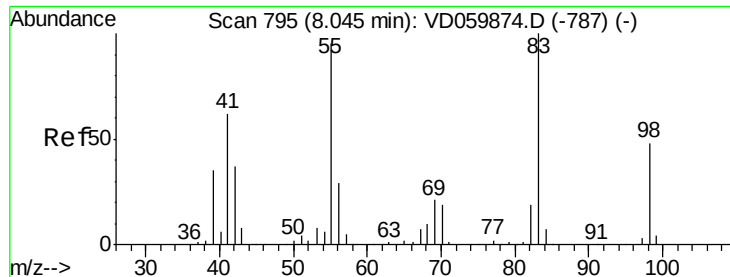
Tot Ion: 43 Resp: 316688
Ion Ratio Lower Upper
43 100
61 12.2 11.0 16.6
70 7.1 5.7 8.5



#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: 117 Resp: 292074
Ion Ratio Lower Upper
117 100
119 97.7 77.2 115.8
121 31.2 24.0 36.0

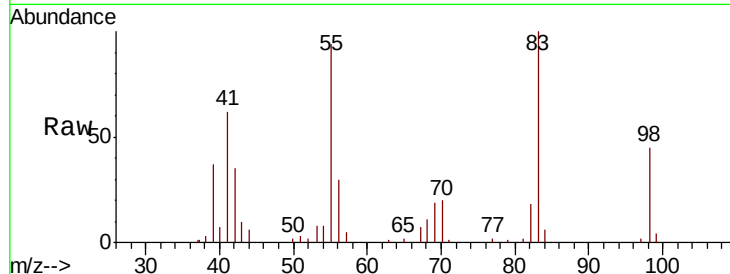




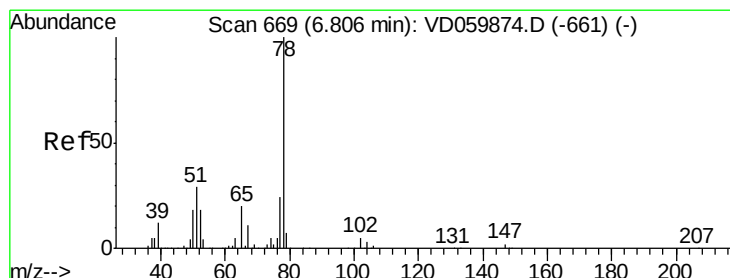
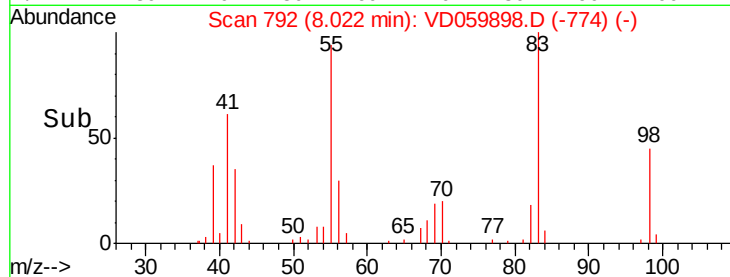
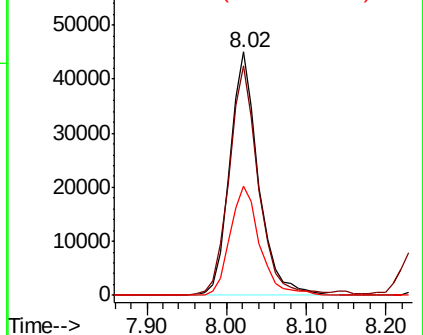
#39
Methylvlcyclohexane
Concen: 15.00 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

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

Tot Ion: 83 Resp: 112958
Ion Ratio Lower Upper
83 100
55 94.4 75.8 113.6
98 44.7 38.3 57.5

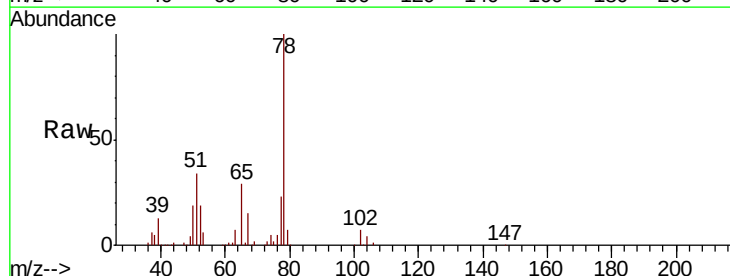


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

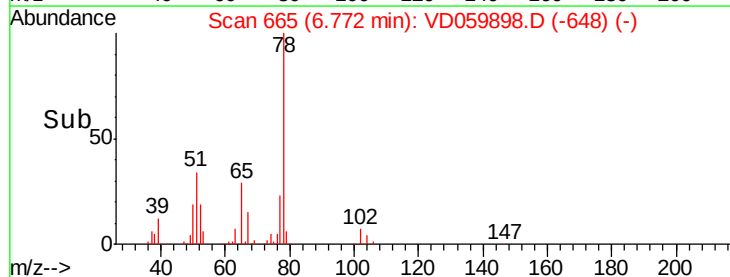
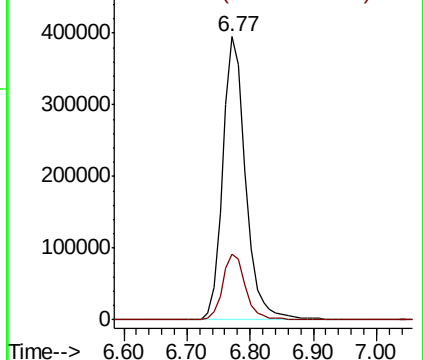


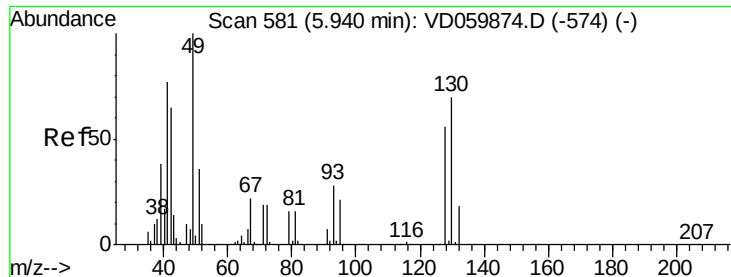
#40
Benzene
Concen: 54.89 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 78 Resp: 994950
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 172.93 ug/l

RT: 5.94 min Scan# 580

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: 41 Resp: 472540

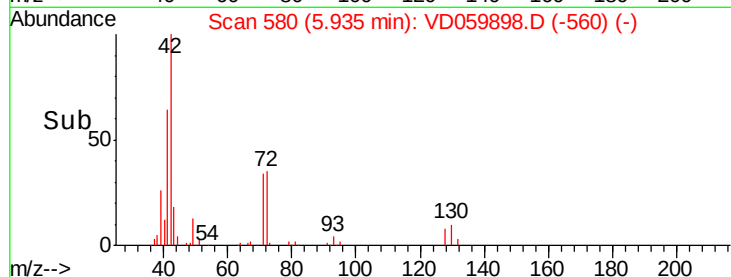
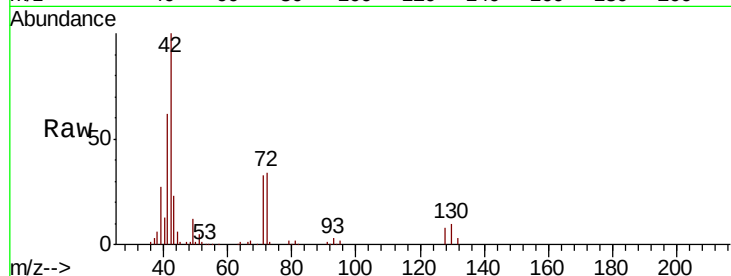
Ion Ratio Lower Upper

41 100

39 42.9 39.4 59.2

67 3.8 22.2 33.2#

52 2.2 10.1 15.1#

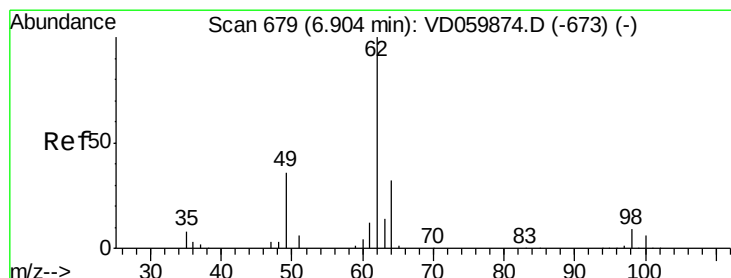
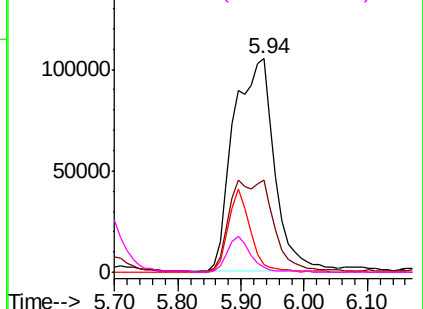


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 65.97 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.02 min

Lab File: VD059898.D

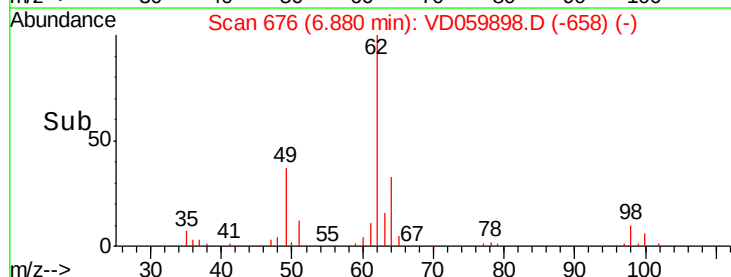
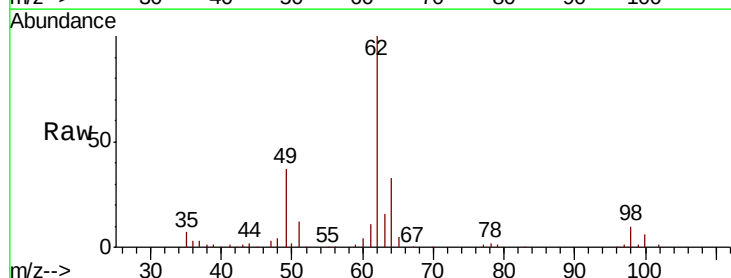
Acq: 23 Aug 2018 19:55

Tgt Ion: 62 Resp: 383890

Ion Ratio Lower Upper

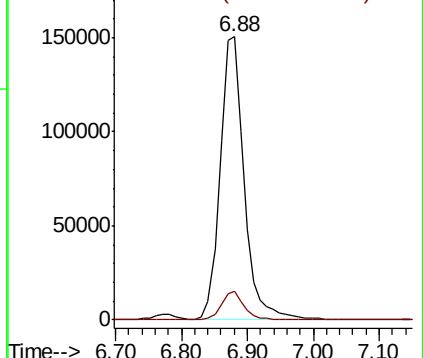
62 100

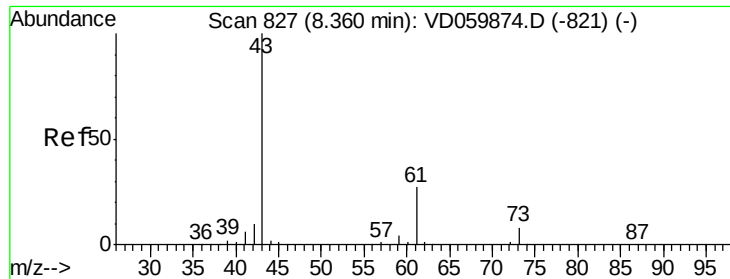
98 10.1 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#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

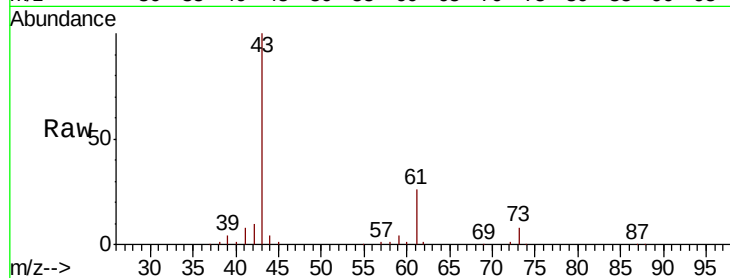
Tot Ion: 43 Resp: 366890

Ion Ratio Lower Upper

43 100

61 26.1 21.4 32.2

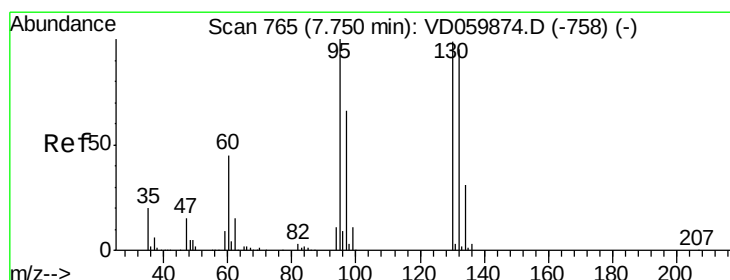
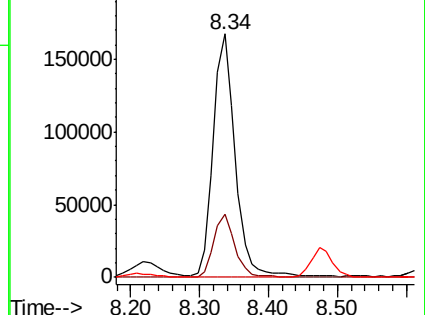
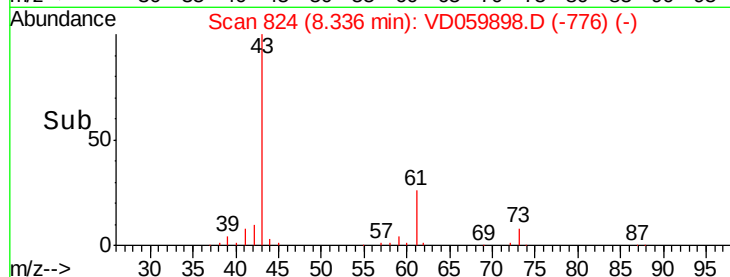
87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 46.50 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD059898.D

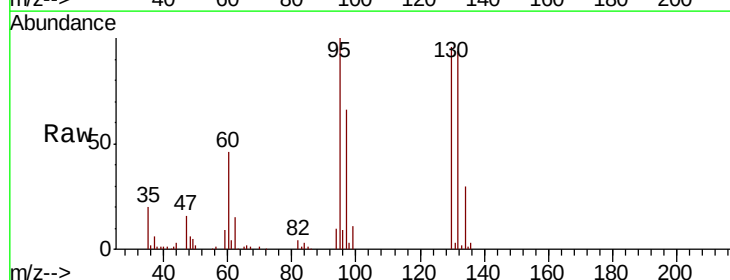
Acq: 23 Aug 2018 19:55

Tgt Ion:130 Resp: 248178

Ion Ratio Lower Upper

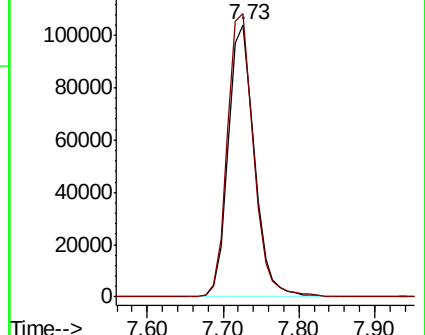
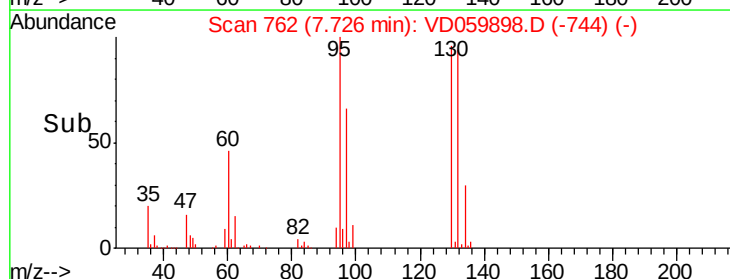
130 100

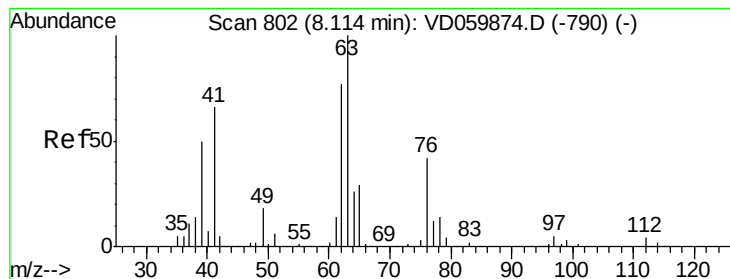
95 104.0 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#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 :

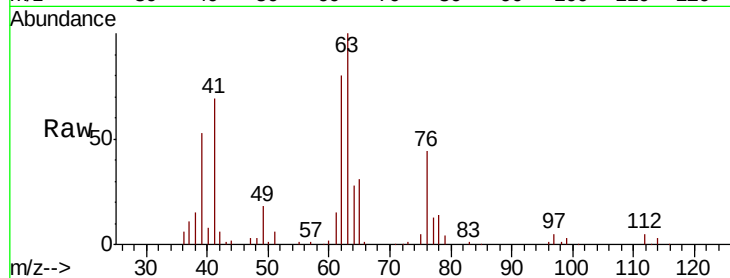
RA-081718-WSW-20-053

Tot Ion: 63 Resp: 293011

Ion Ratio Lower Upper

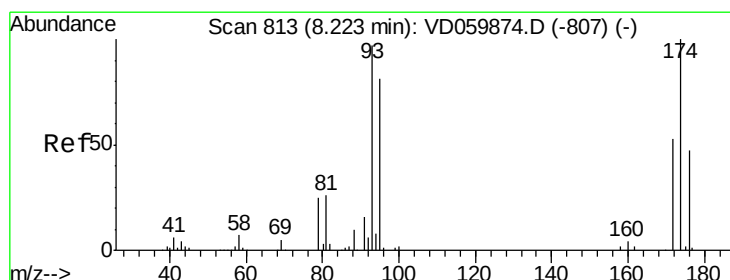
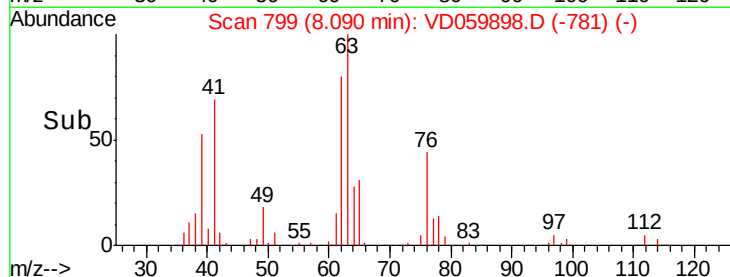
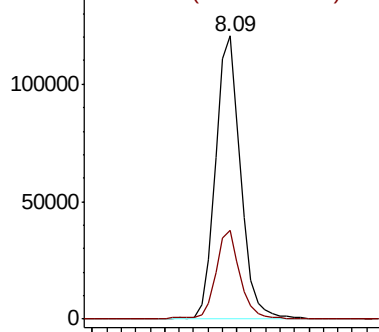
63 100

65 31.3 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#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

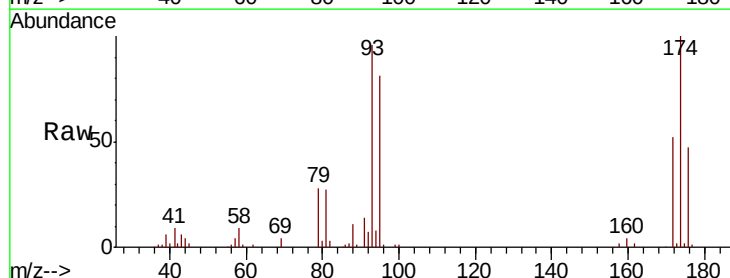
Tgt Ion: 93 Resp: 213057

Ion Ratio Lower Upper

93 100

95 83.7 66.6 100.0

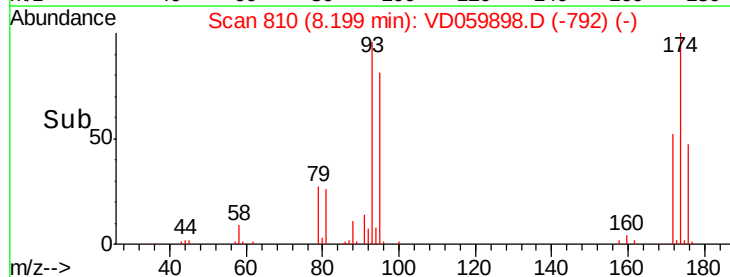
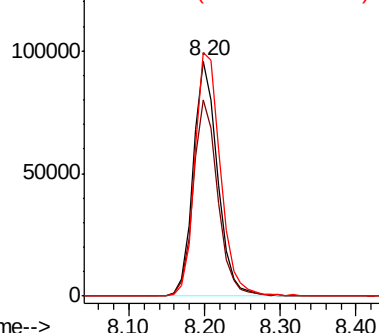
174 103.6 82.4 123.6

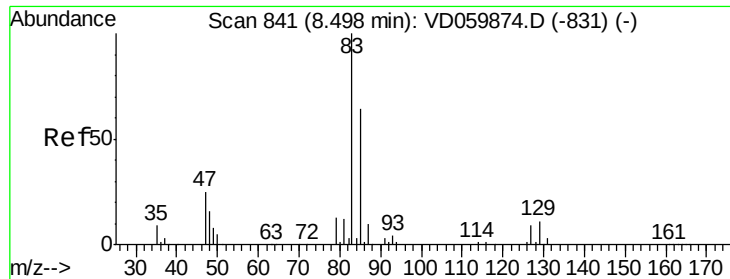


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 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

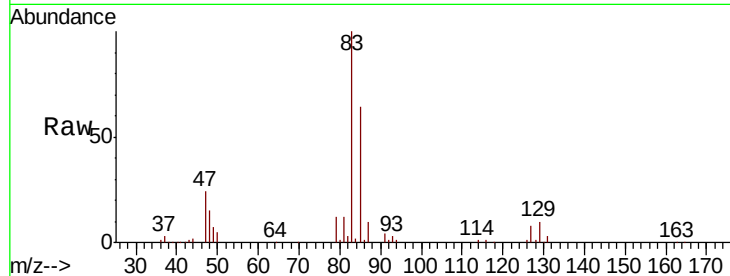
Tot Ion: 83 Resp: 439902

Ion Ratio Lower Upper

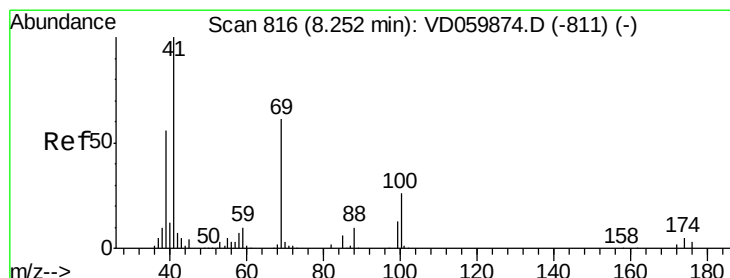
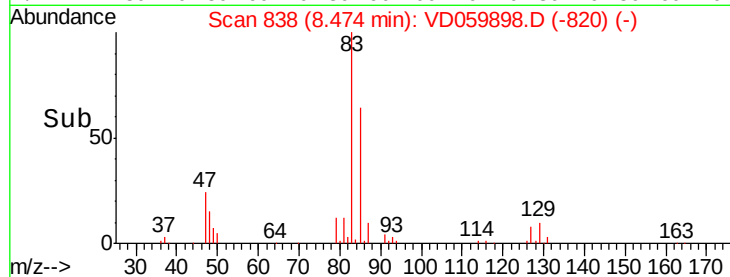
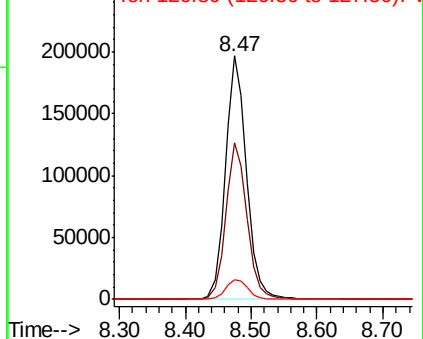
83 100

85 64.3 51.3 76.9

127 8.1 7.0 10.4



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



#48

Methyl methacrylate

Concen: 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

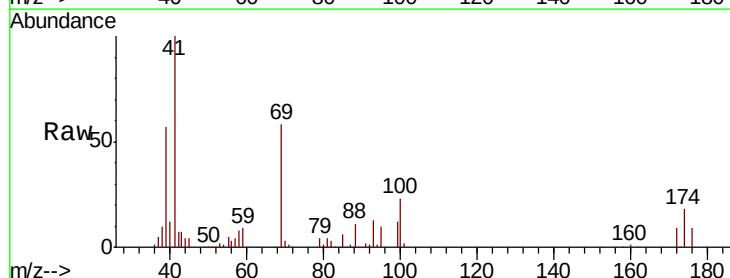
Tgt Ion: 41 Resp: 313550

Ion Ratio Lower Upper

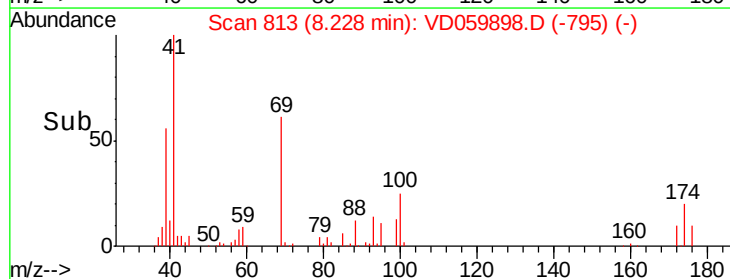
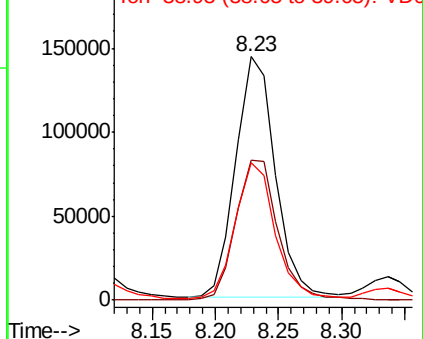
41 100

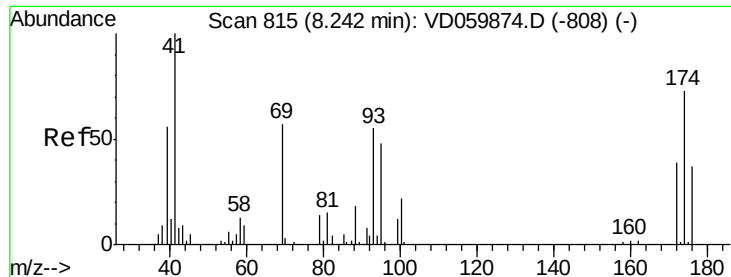
69 57.6 48.0 72.0

39 56.7 45.4 68.0



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





#49

1,4-Dioxane

Concen: 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

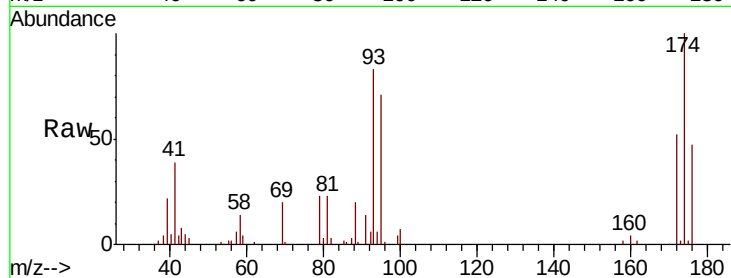
Tot Ion: 88 Resp: 59881

Ion Ratio Lower Upper

88 100

43 40.3 45.0 67.6#

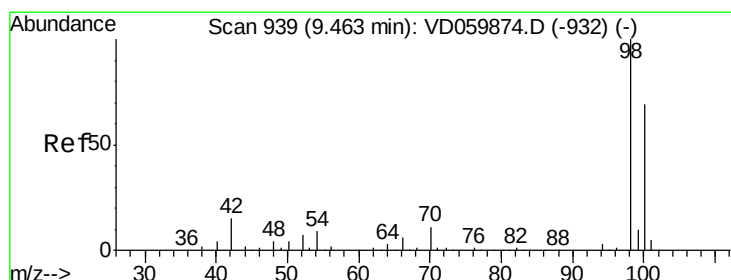
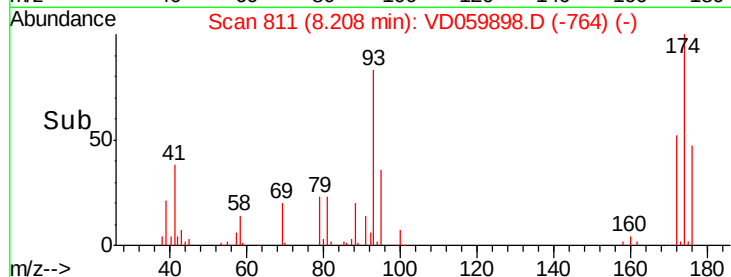
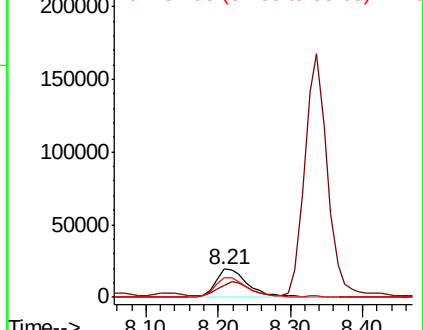
58 71.1 55.8 83.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 1630.41 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059898.D

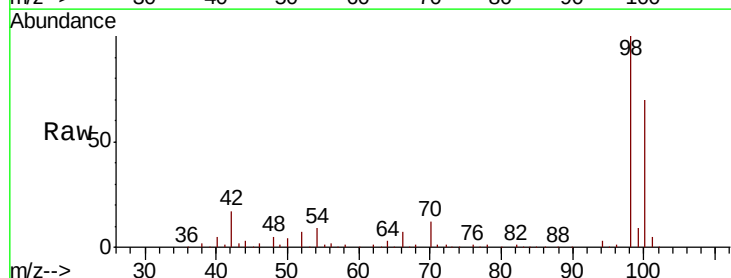
Acq: 23 Aug 2018 19:55

Tgt Ion: 98 Resp: 774504

Ion Ratio Lower Upper

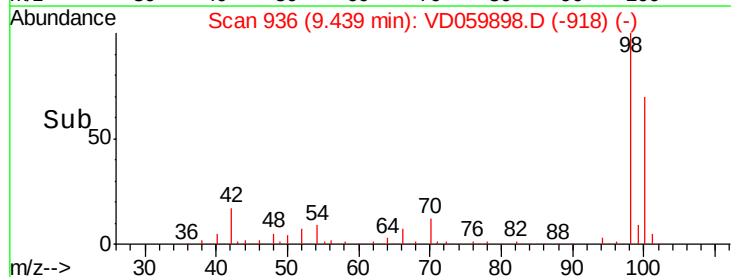
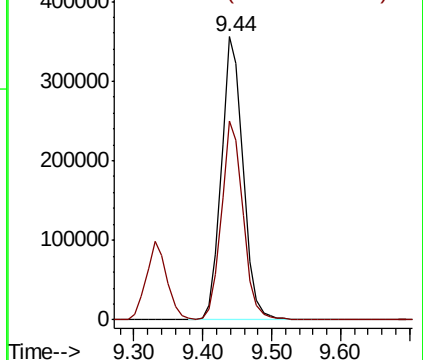
98 100

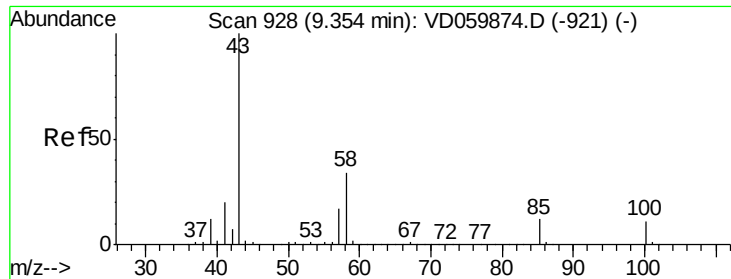
100 70.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 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 :

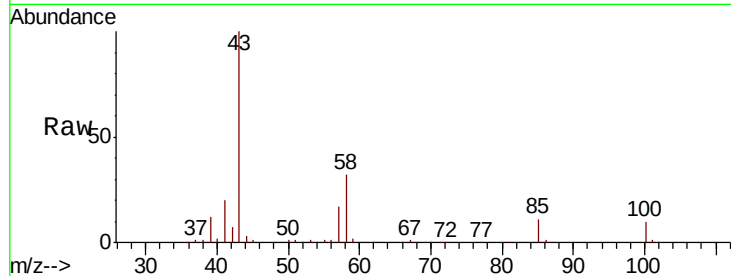
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 2174742

Ion Ratio Lower Upper

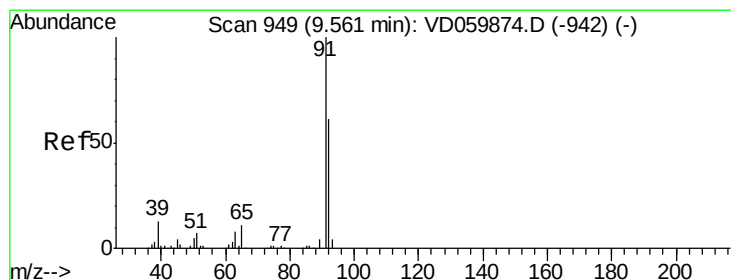
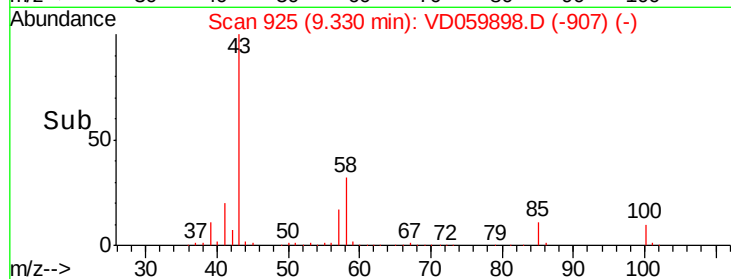
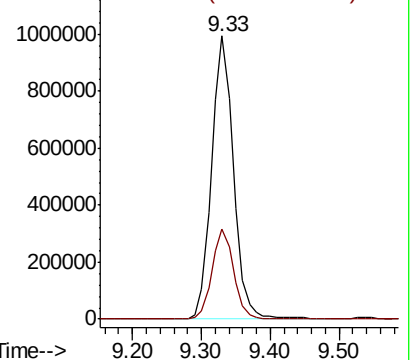
43 100

58 32.0 27.0 40.4



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

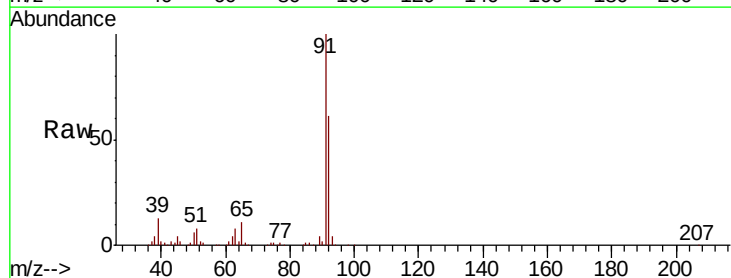
Acq: 23 Aug 2018 19:55

Tgt Ion: 92 Resp: 565271

Ion Ratio Lower Upper

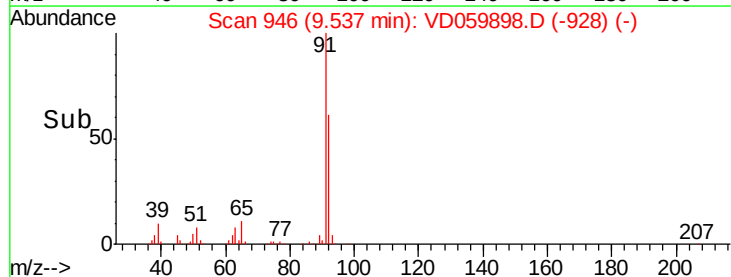
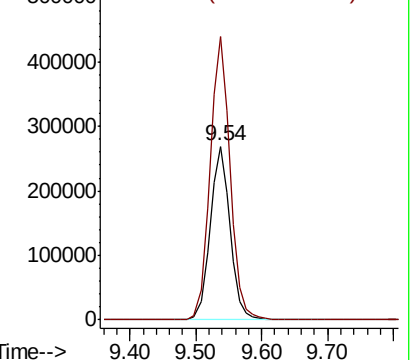
92 100

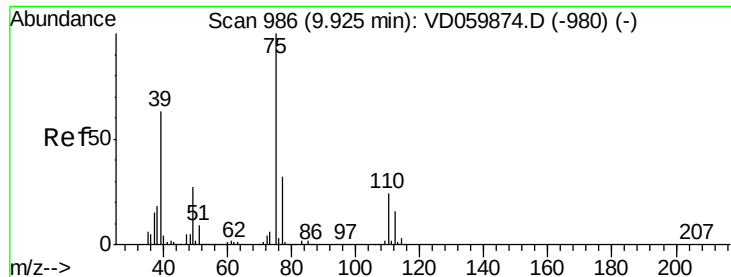
91 163.1 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

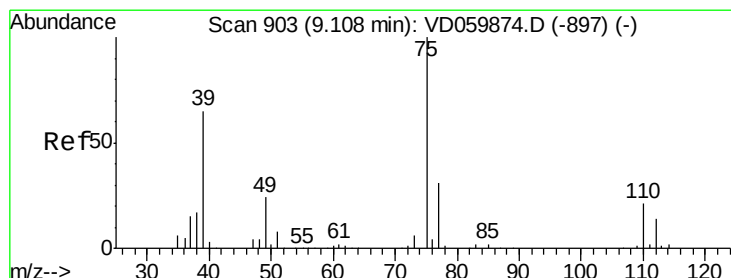
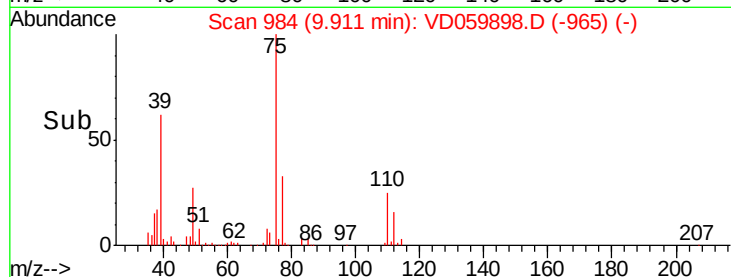
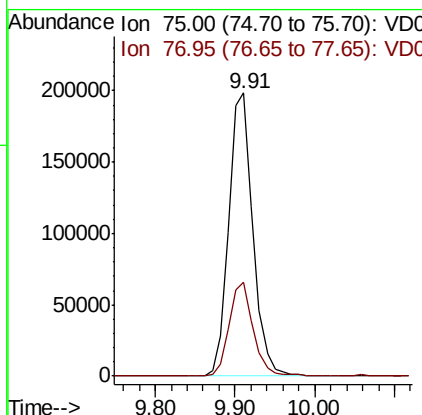
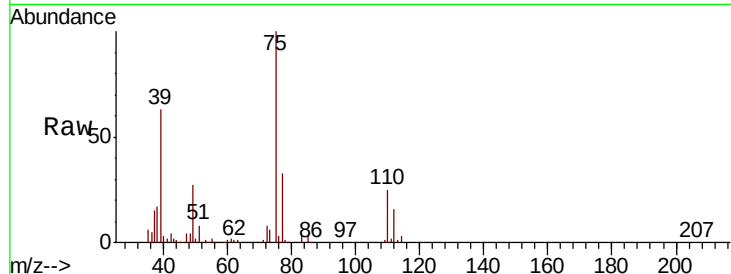




#53
 t-1,3-Dichloropropene
 Concen: 61.70 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

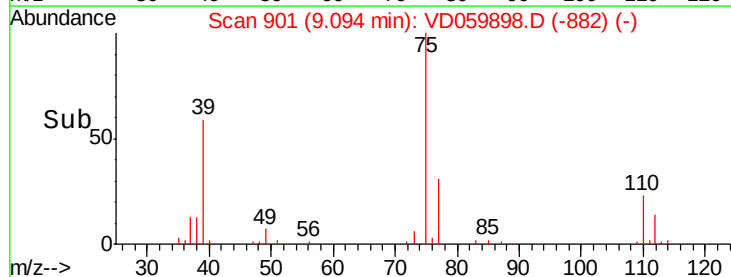
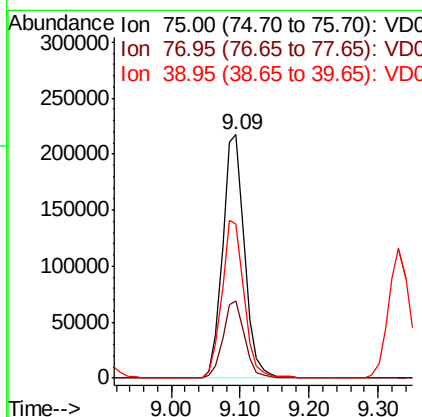
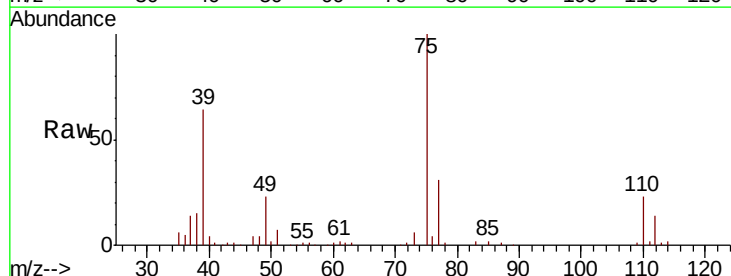
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

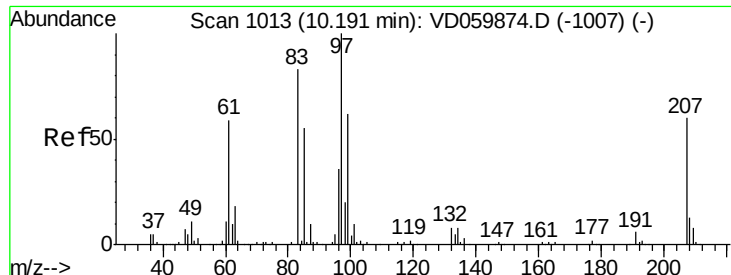
Tot Ion: 75 Resp: 420902
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2



#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

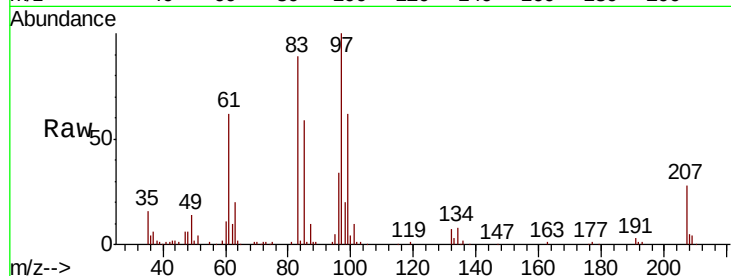




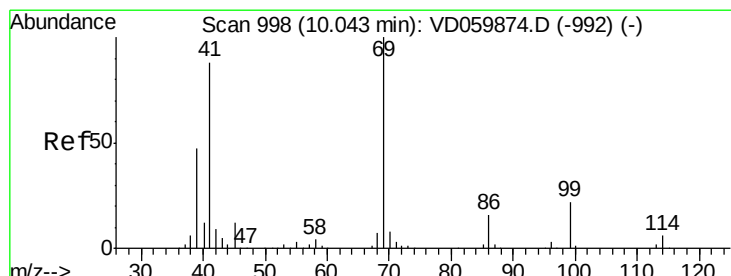
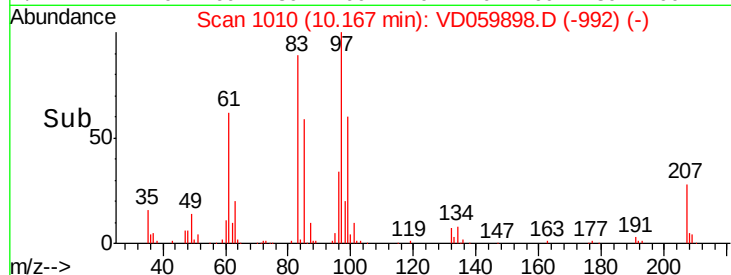
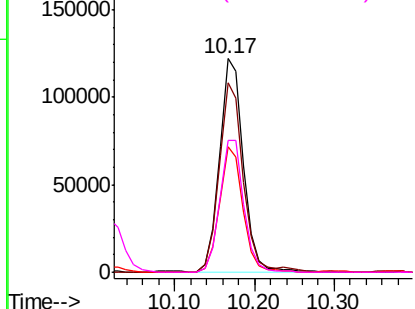
#55
 1,1,2-Trichloroethane
 Concen: 60.94 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

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

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

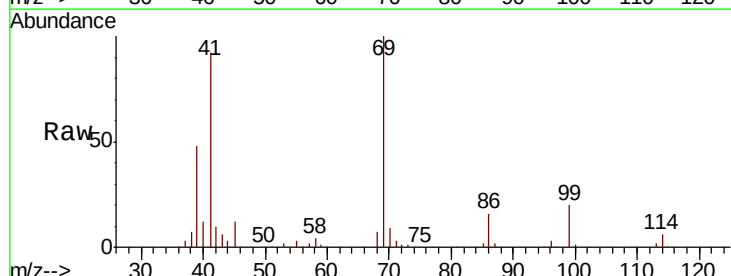


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

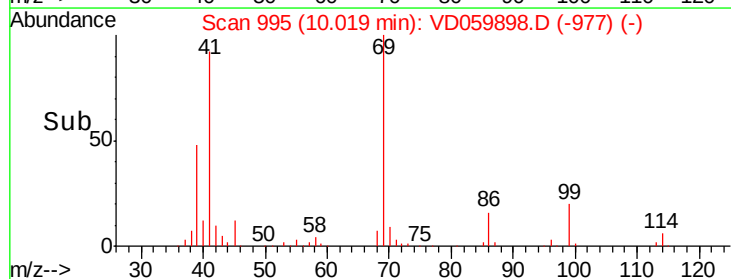
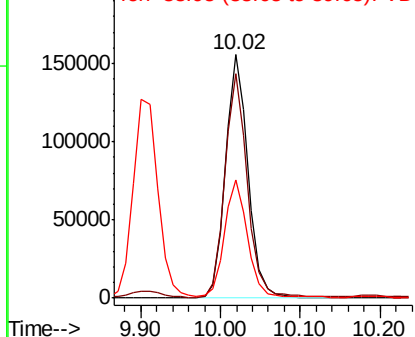


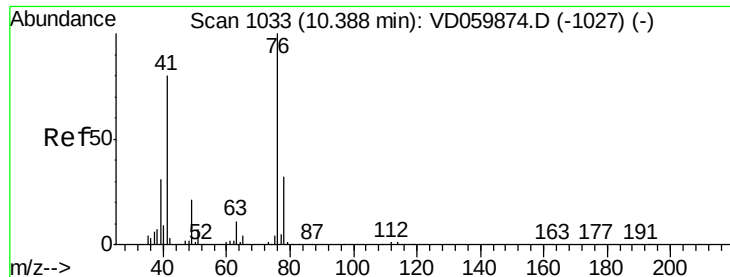
#56
 Ethyl methacrylate
 Concen: 63.37 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

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



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#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 :

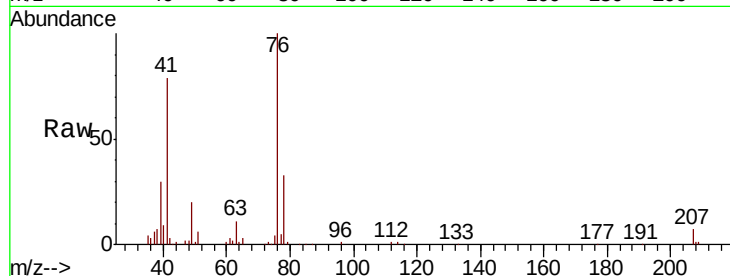
RA-081718-WSW-20-053

Tot Ion: 76 Resp: 405888

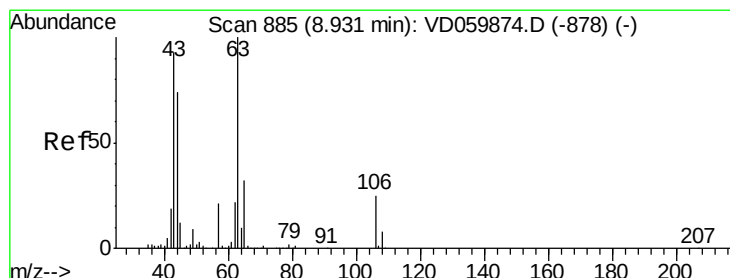
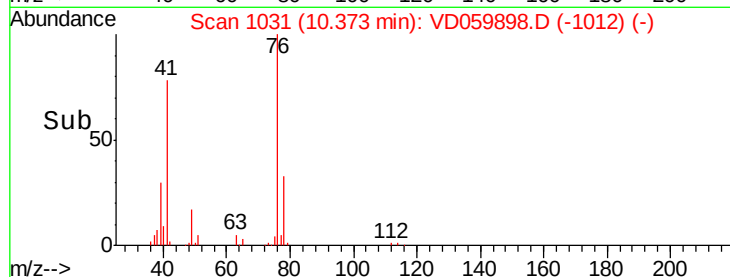
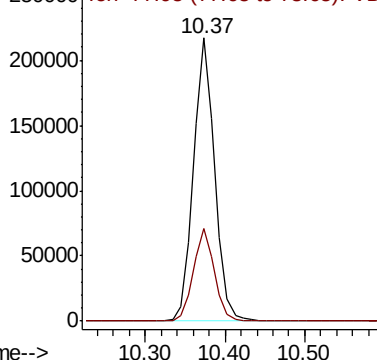
Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC



#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

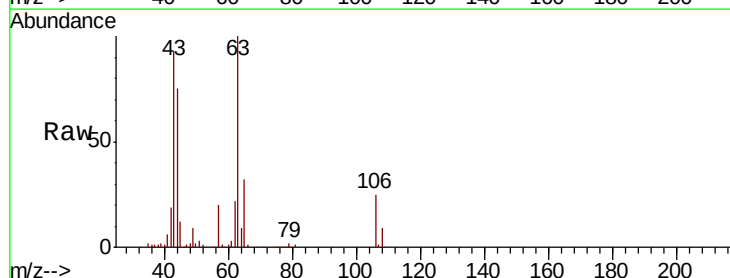
Acq: 23 Aug 2018 19:55

Tgt Ion: 63 Resp: 882927

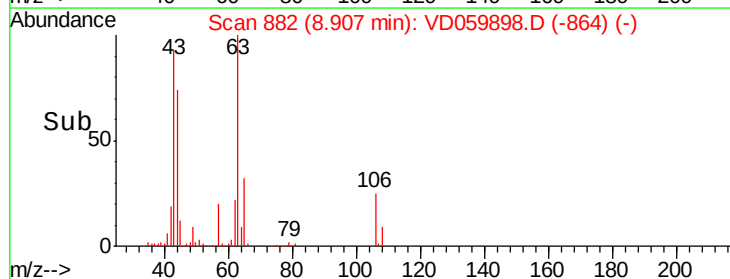
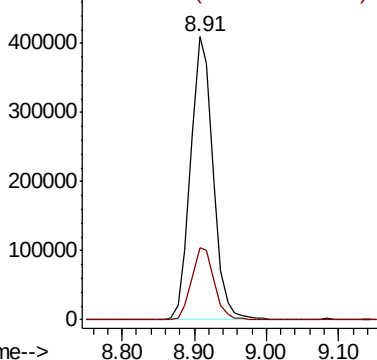
Ion Ratio Lower Upper

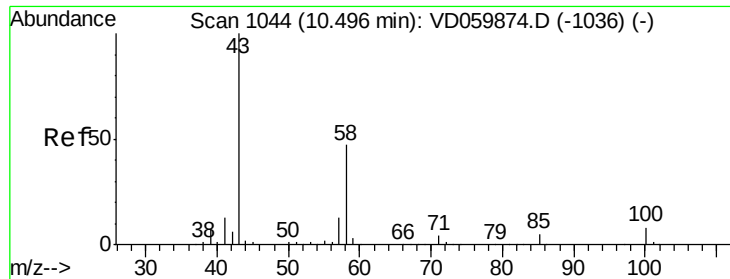
63 100

106 25.5 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 105.95 (105.65 to 106.65): V

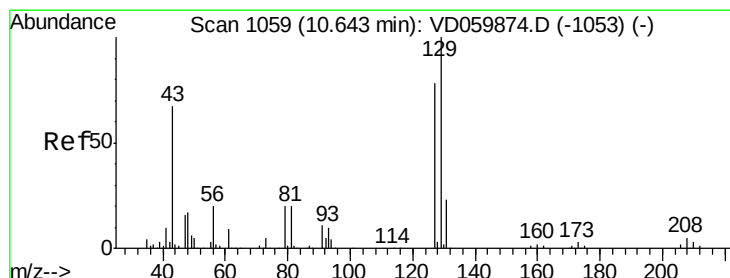
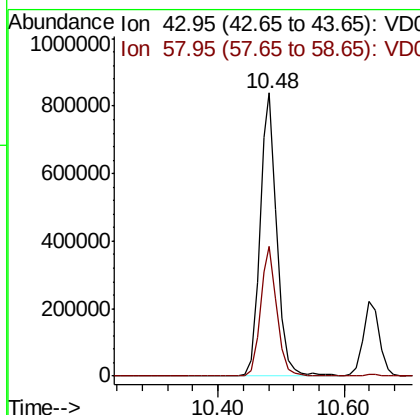
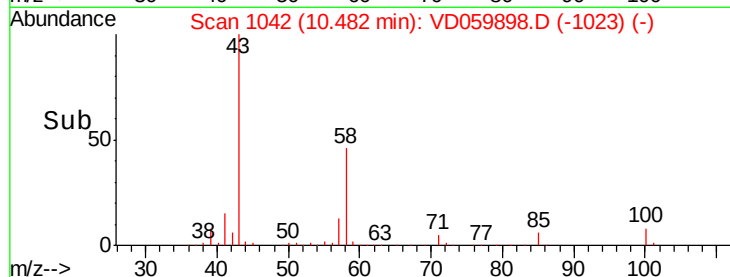
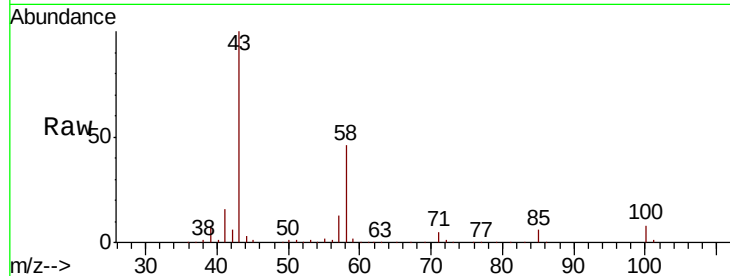




#59
2-Hexanone
Concen: 403.53 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

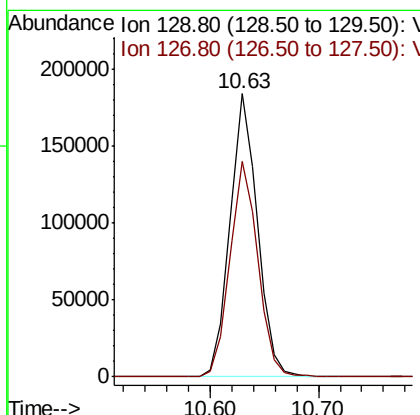
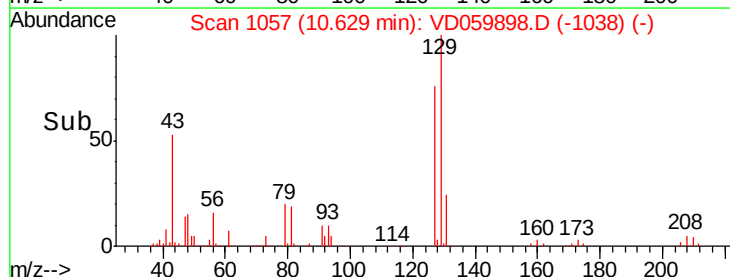
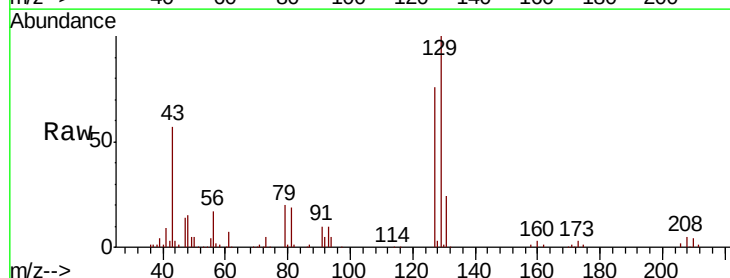
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

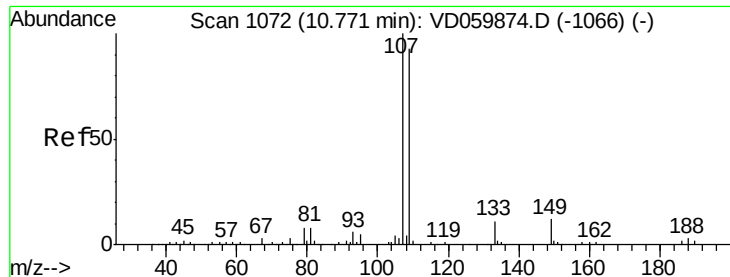
Tot Ion: 43 Resp: 1565933
Ion Ratio Lower Upper
43 100
58 45.7 23.3 69.8



#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

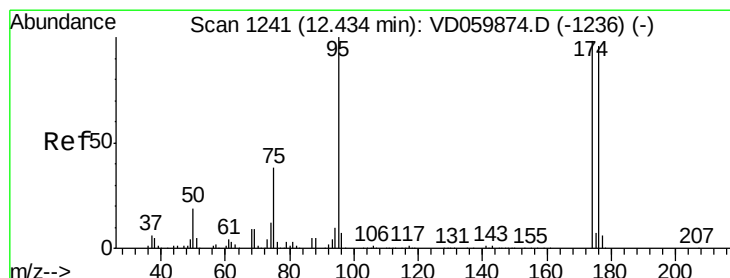
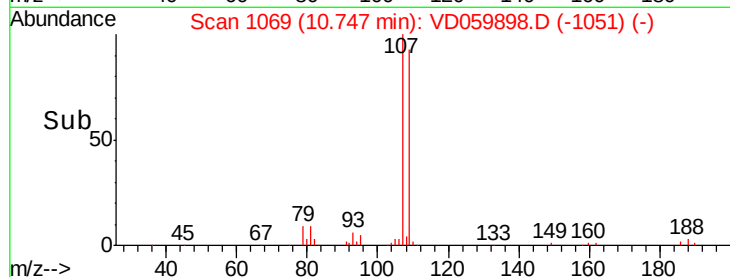
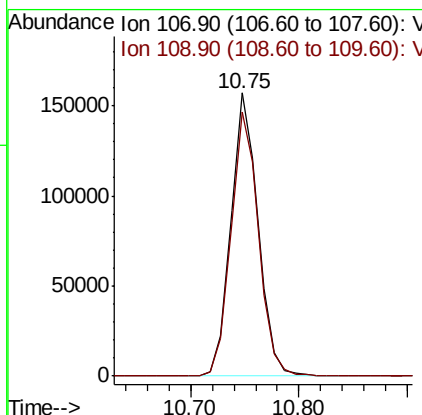
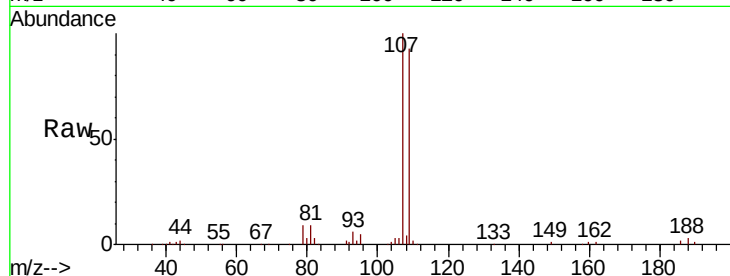




#61
 1,2-Dibromoethane
 Concen: 63.53 ug/l
 RT: 10.75 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

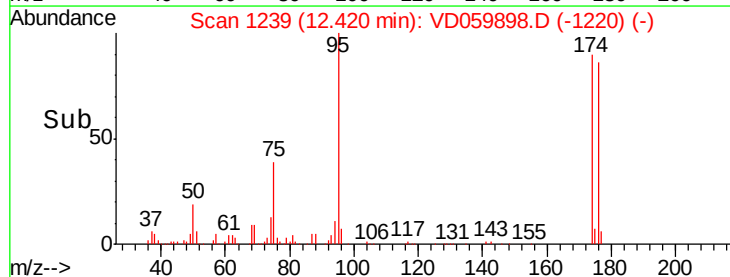
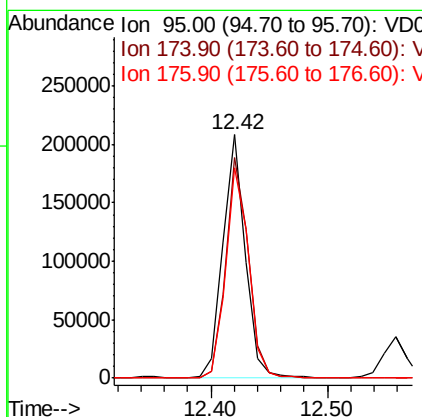
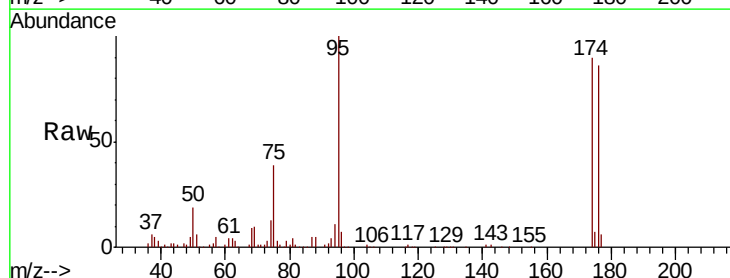
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

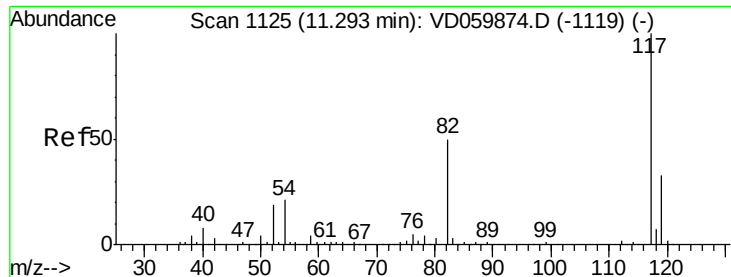
Tot Ion:107 Resp: 272930
 Ion Ratio Lower Upper
 107 100
 109 93.4 74.6 112.0



#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: 95 Resp: 278117
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 195.6
 176 86.2 0.0 191.2

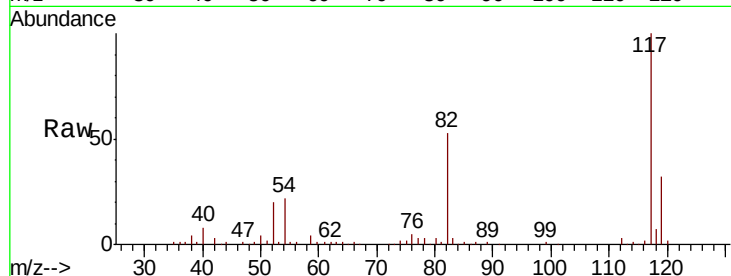




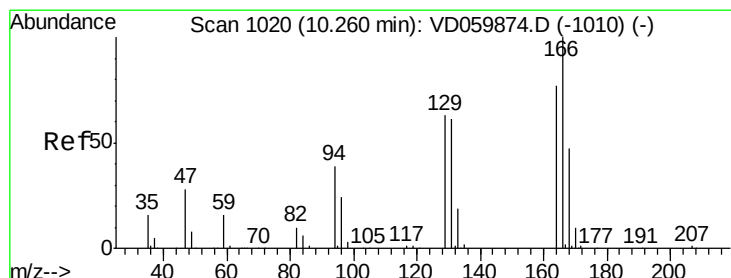
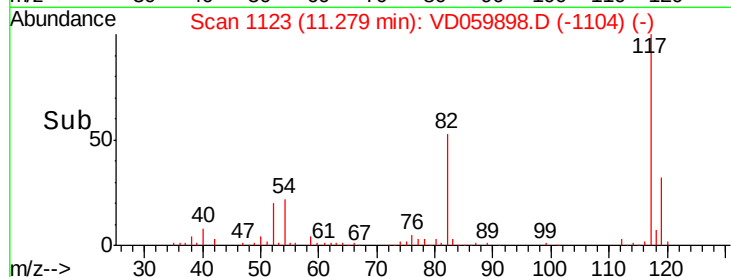
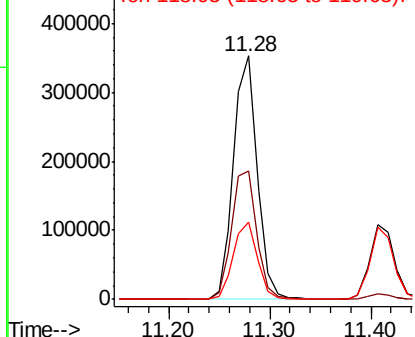
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

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

Tot Ion:117 Resp: 577362
Ion Ratio Lower Upper
117 100
82 52.8 40.1 60.1
119 31.8 26.7 40.1

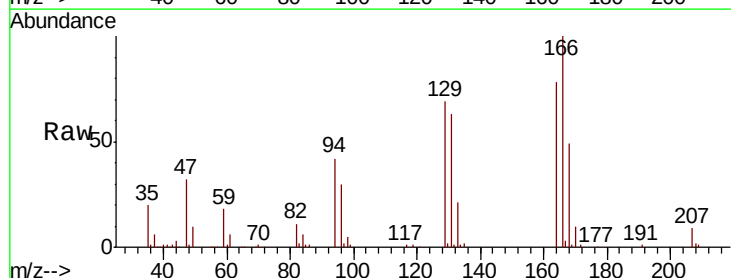


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

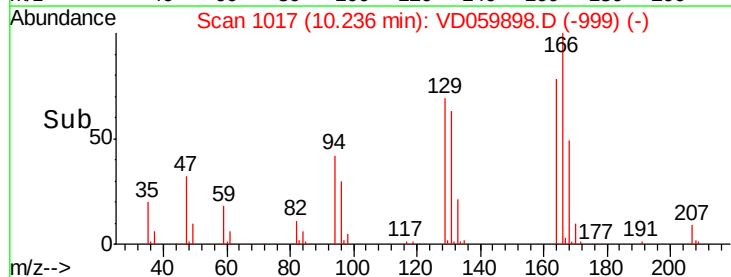
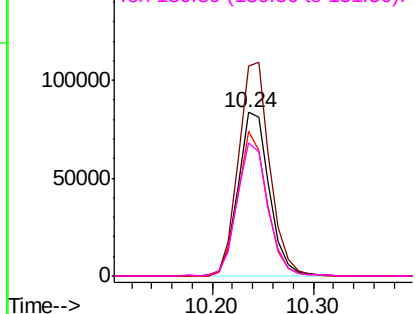


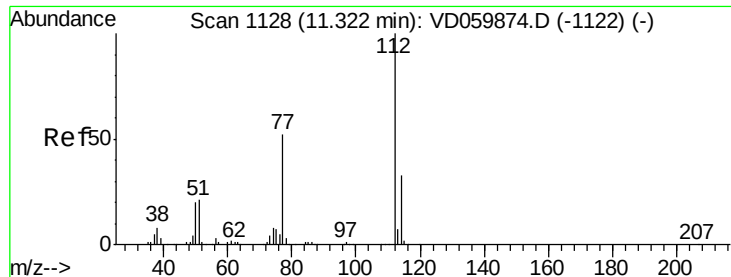
#64
Tetrachloroethene
Concen: 40.18 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion:164 Resp: 179378
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



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

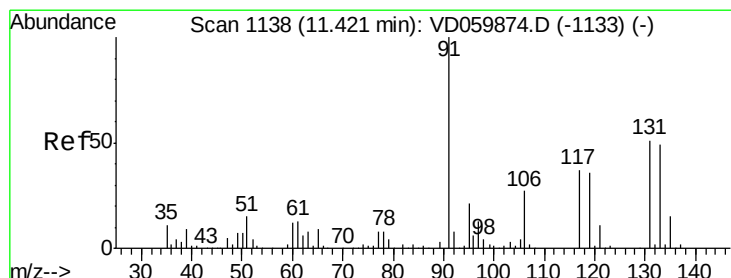
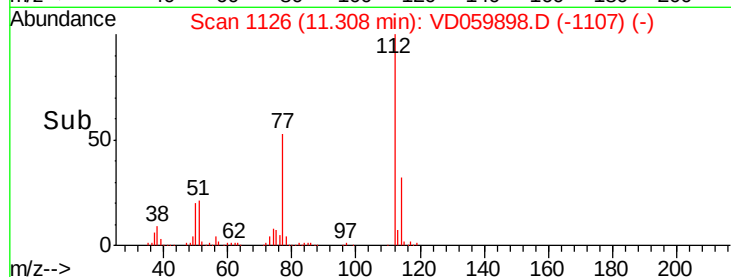
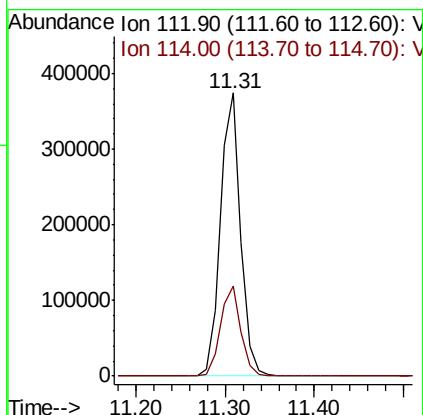
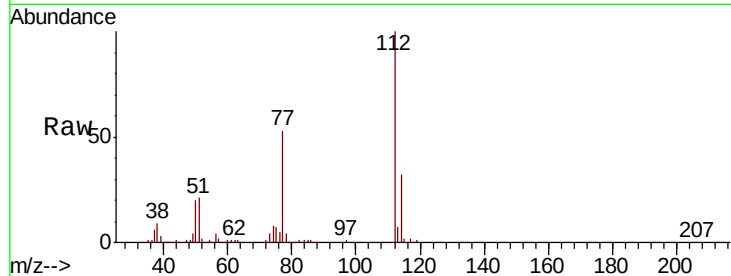




#65
Chlorobenzene
Concen: 51.73 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

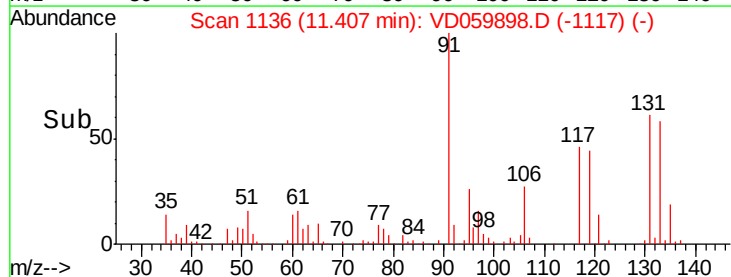
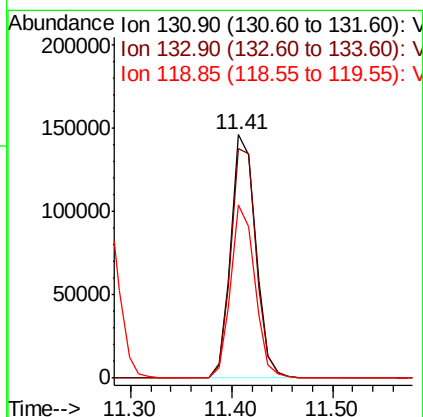
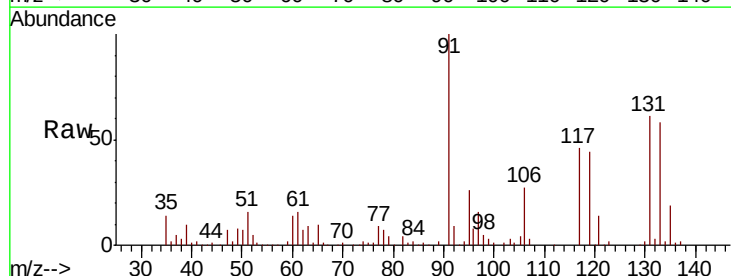
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

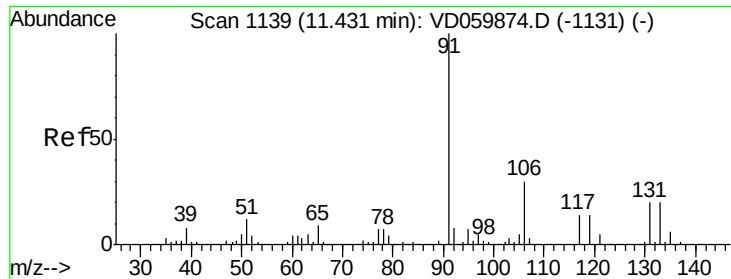
Tot Ion:112 Resp: 593561
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6



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

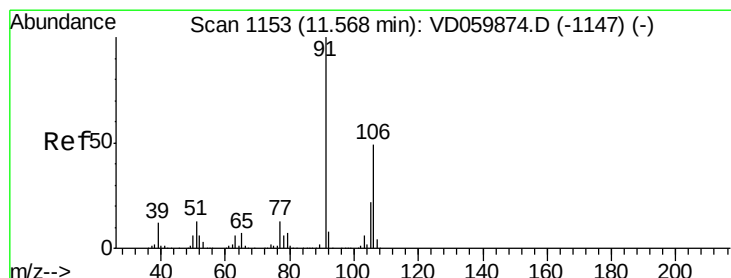
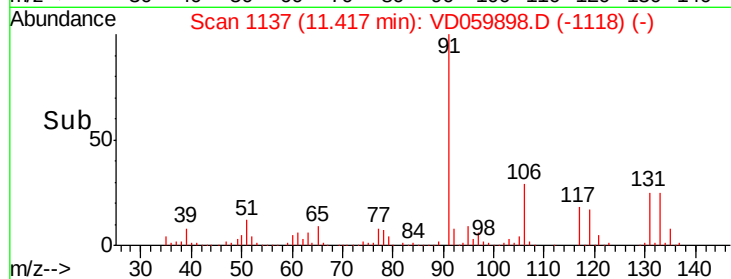
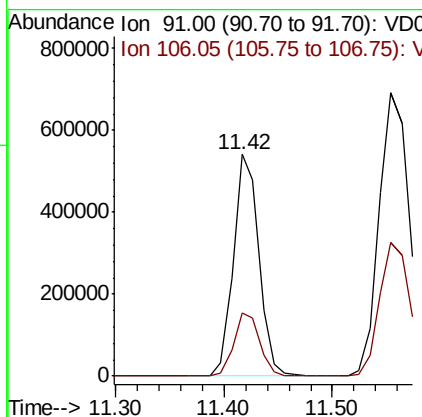
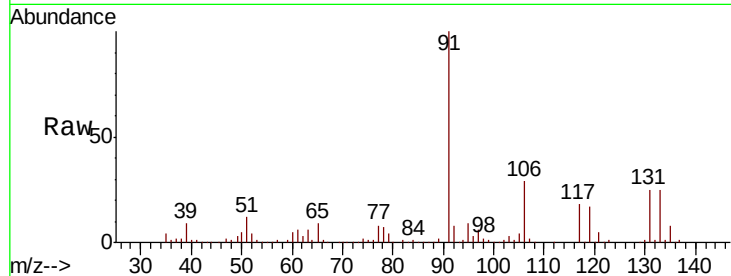




#67
Ethyl Benzene
Concen: 45.82 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

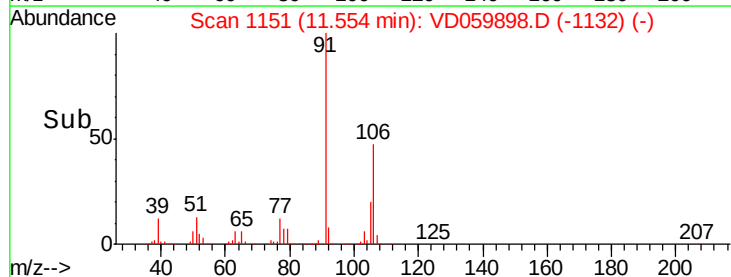
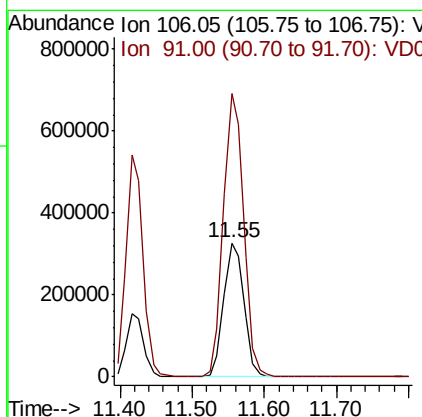
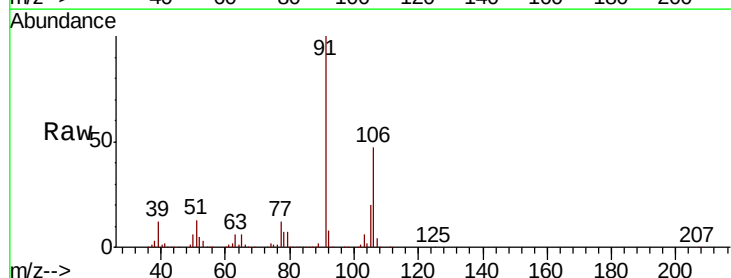
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

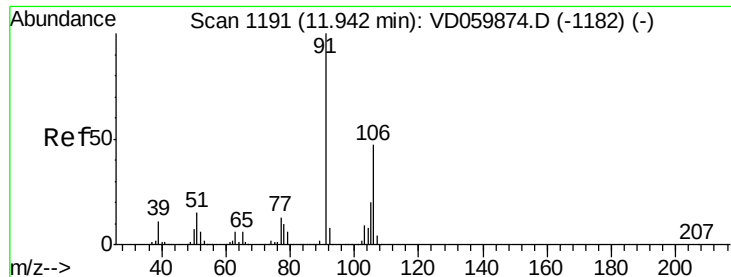
Tot Ion: 91 Resp: 884362
Ion Ratio Lower Upper
91 100
106 28.5 23.8 35.8



#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

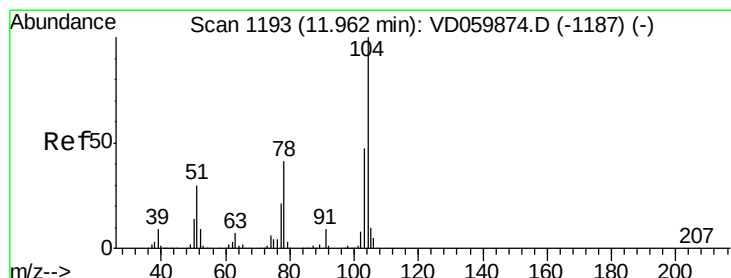
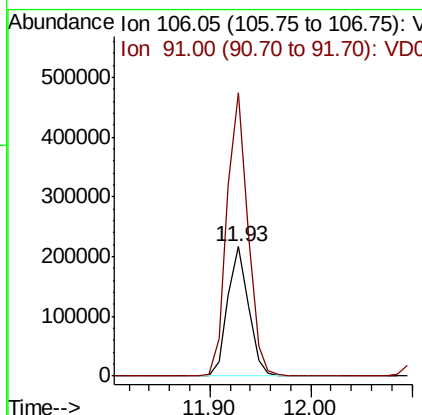
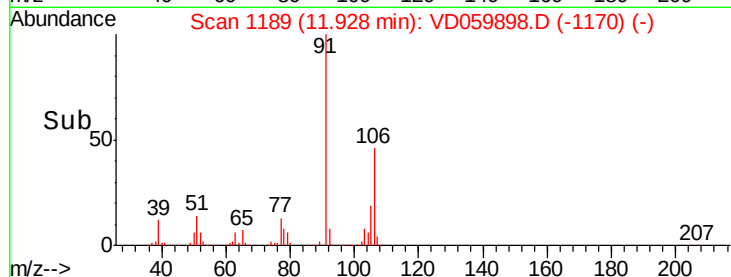
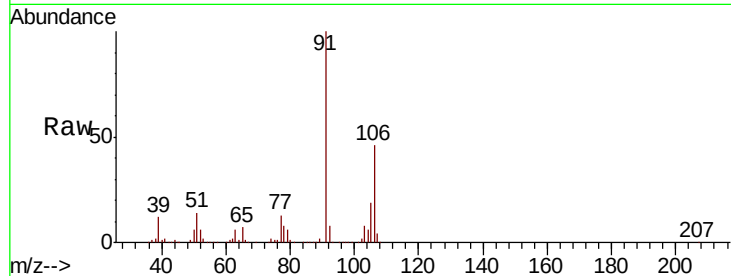




#69
o-Xylene
Concen: 45.54 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

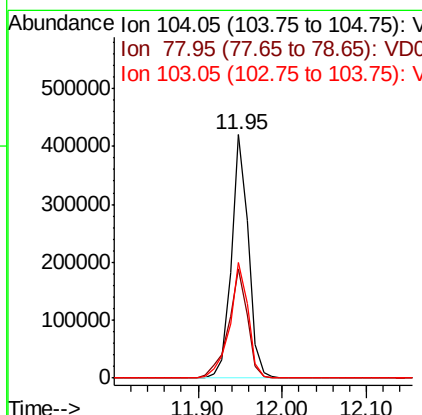
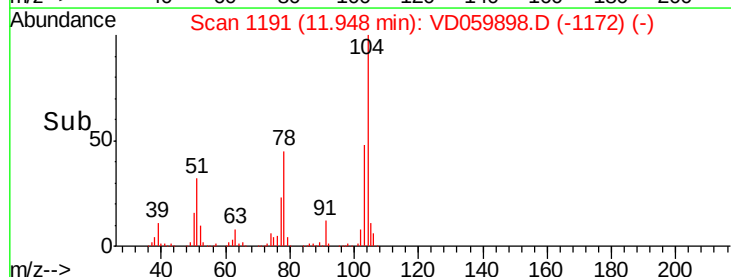
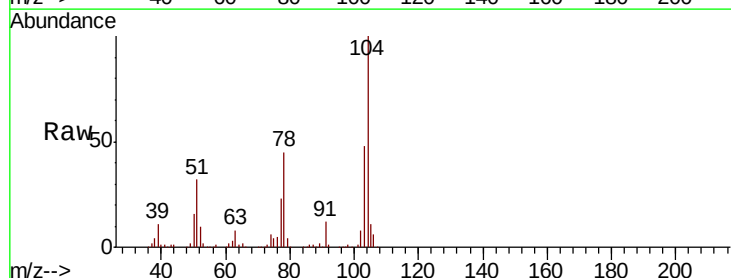
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

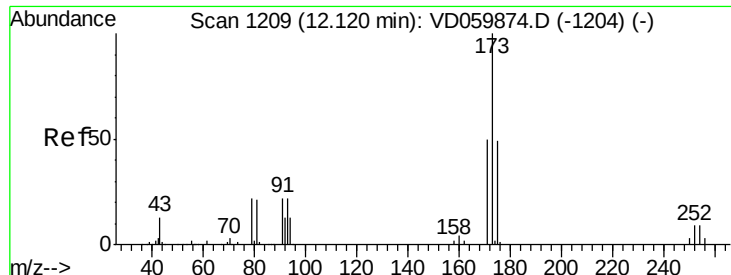
Tot Ion:106 Resp: 313005
Ion Ratio Lower Upper
106 100
91 218.7 107.3 322.0



#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:104 Resp: 584391
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

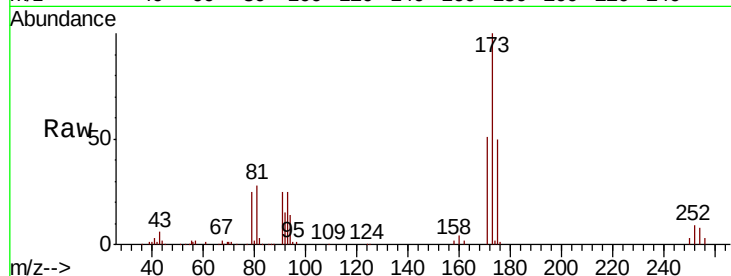
Tot Ion:173 Resp: 239885

Ion Ratio Lower Upper

173 100

175 50.0 24.3 73.0

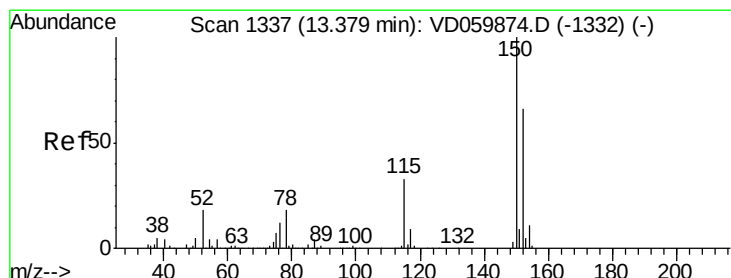
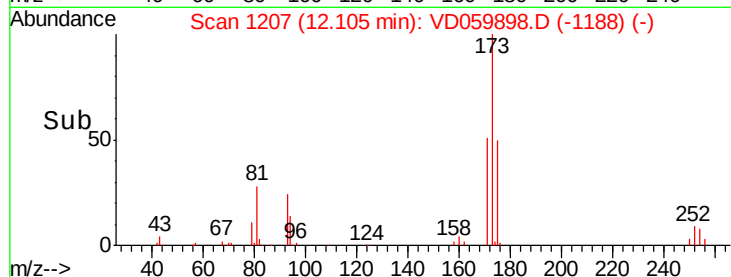
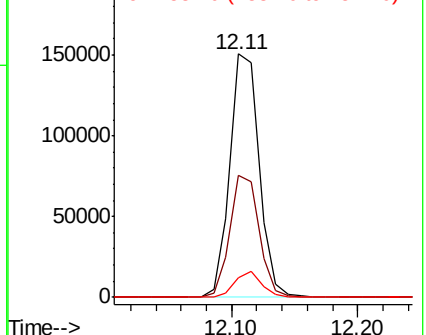
254 7.9 7.0 10.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059898.D

Acq: 23 Aug 2018 19:55

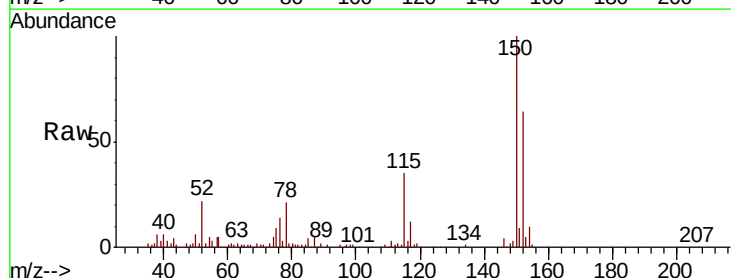
Tgt Ion:152 Resp: 215642

Ion Ratio Lower Upper

152 100

115 53.8 25.7 77.0

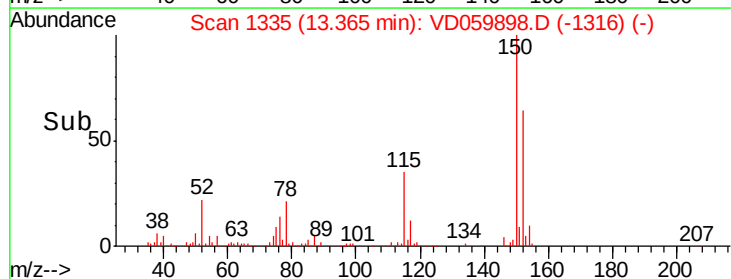
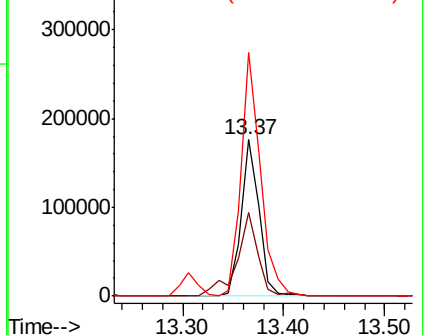
150 155.9 0.0 310.2

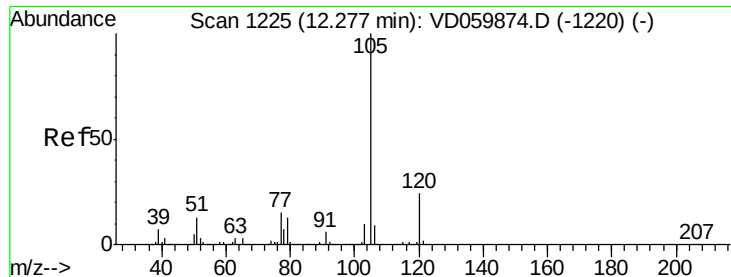


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 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 :

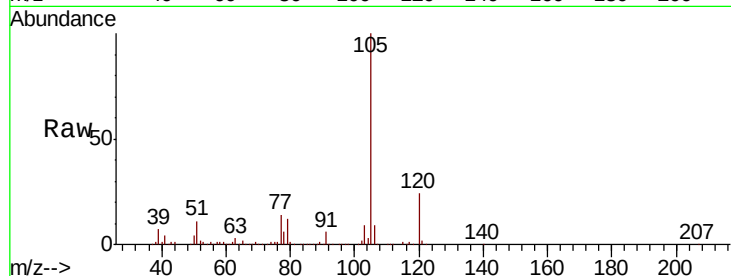
RA-081718-WSW-20-053

Tot Ion:105 Resp: 614334

Ion Ratio Lower Upper

105 100

120 24.3 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

500000

400000

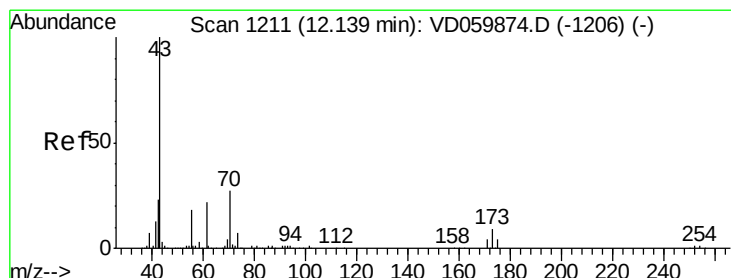
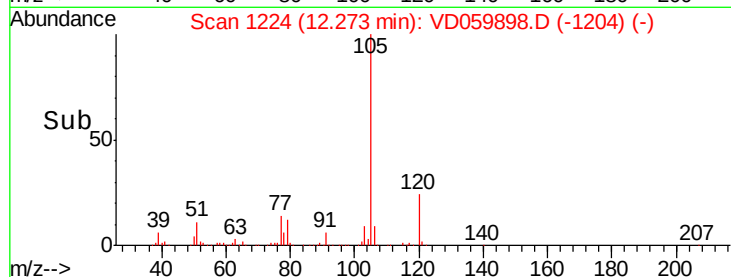
300000

200000

100000

0

Time-->



#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

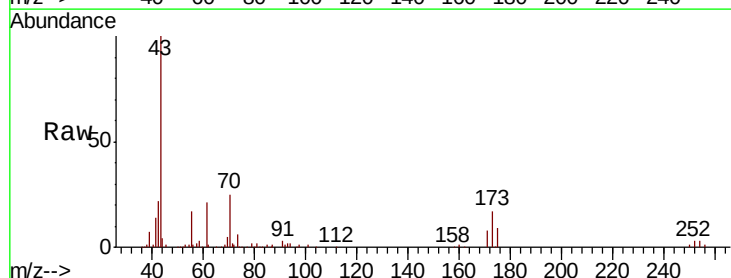
Ion Ratio Lower Upper

43 100

70 25.1 21.4 32.2

55 17.4 14.1 21.1

61 21.1 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

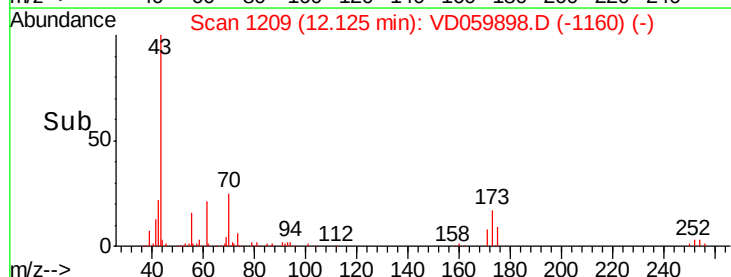
300000

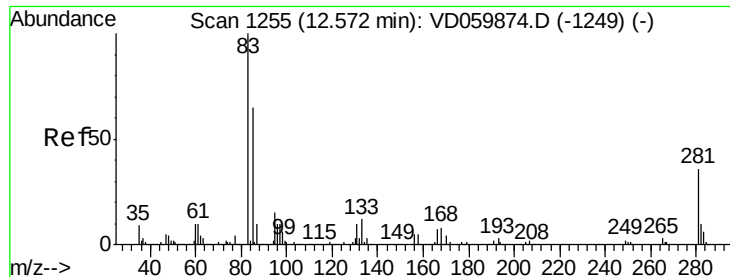
200000

100000

0

Time-->





#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

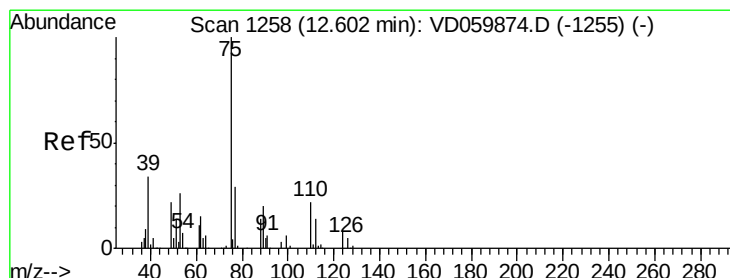
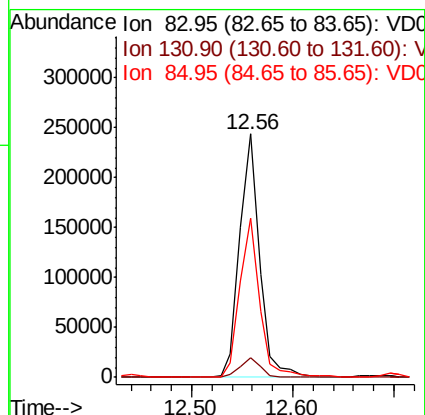
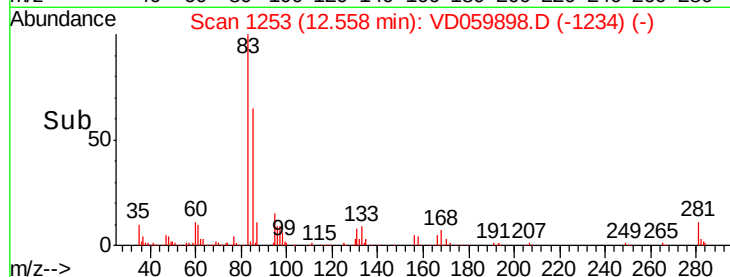
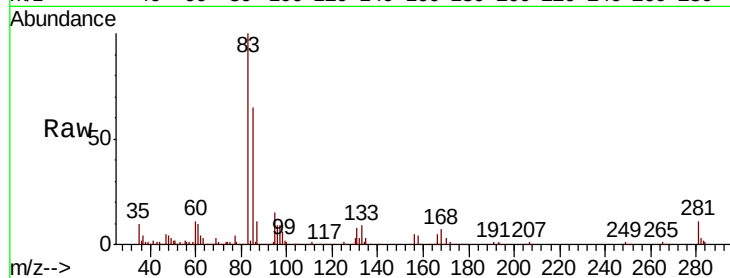
Tot Ion: 83 Resp: 332585

Ion Ratio Lower Upper

83 100

131 8.3 4.8 14.4

85 65.5 32.6 97.8



#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

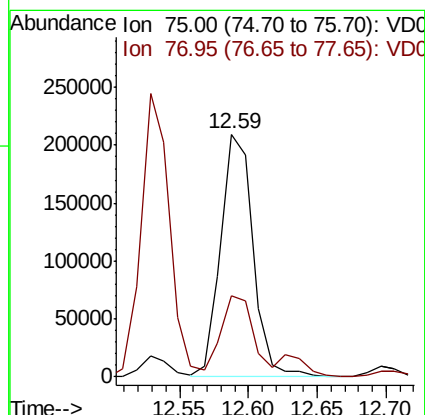
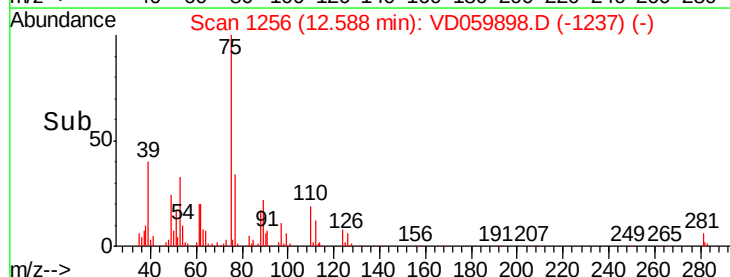
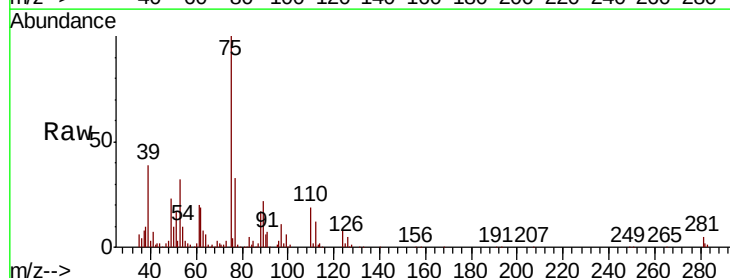
Acq: 23 Aug 2018 19:55

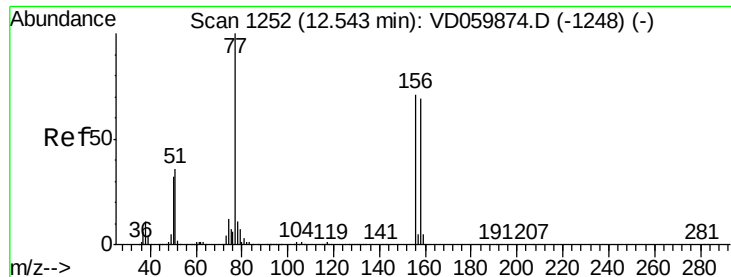
Tgt Ion: 75 Resp: 341610

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

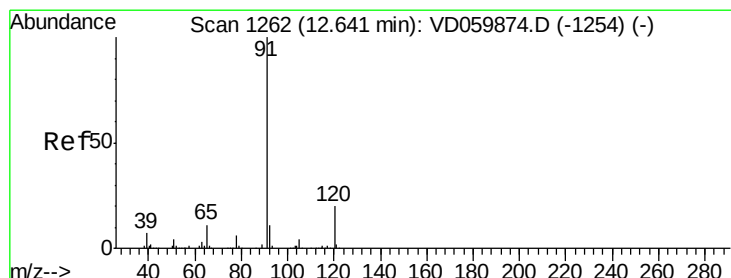
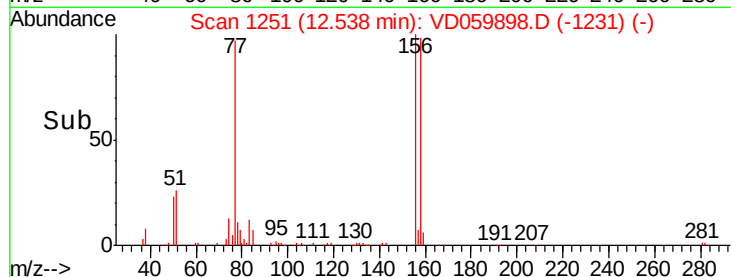
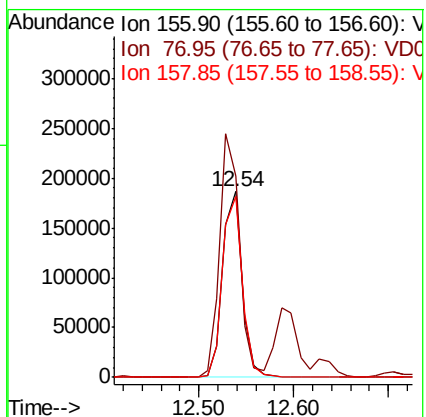
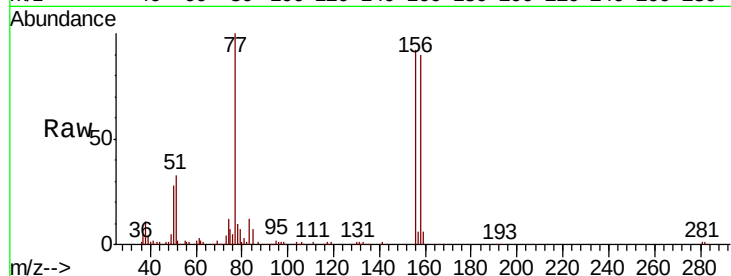
Tot Ion:156 Resp: 266329

Ion Ratio Lower Upper

156 100

77 108.5 70.2 210.4

158 97.5 48.4 145.2



#78

n-propylbenzene

Concen: 41.91 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD059898.D

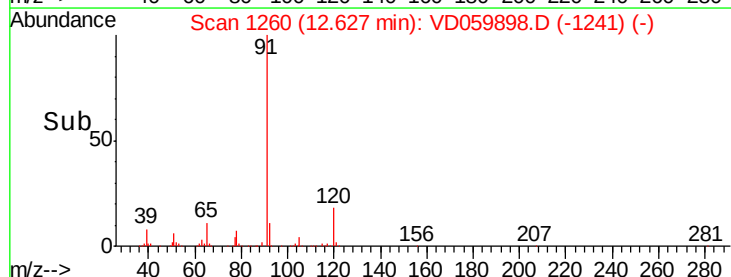
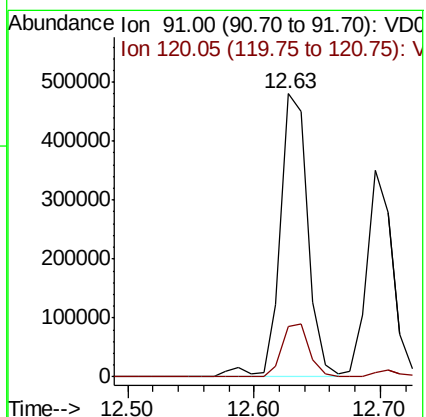
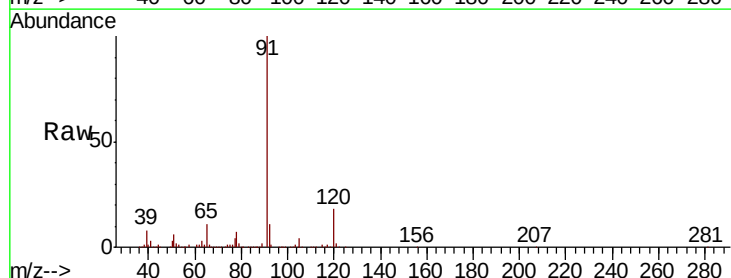
Acq: 23 Aug 2018 19:55

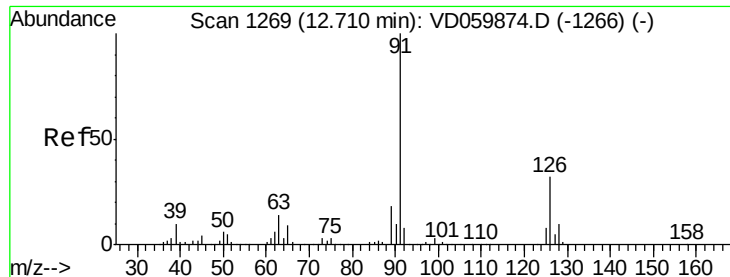
Tgt Ion: 91 Resp: 730469

Ion Ratio Lower Upper

91 100

120 18.0 10.1 30.3

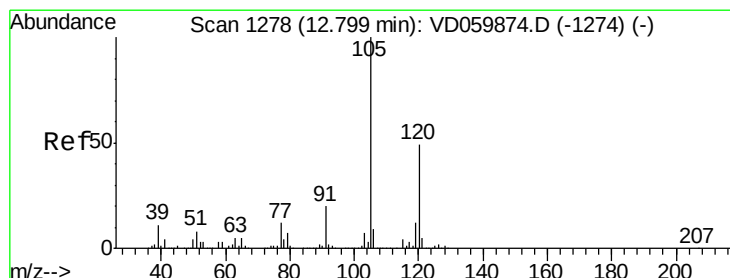
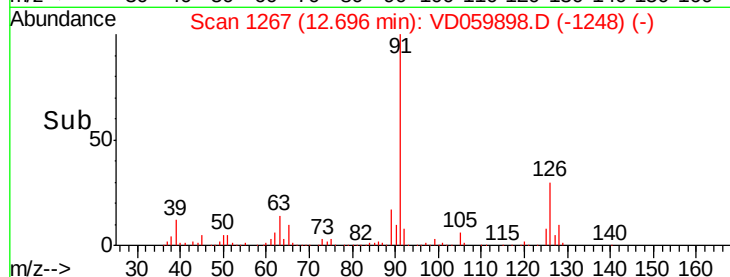
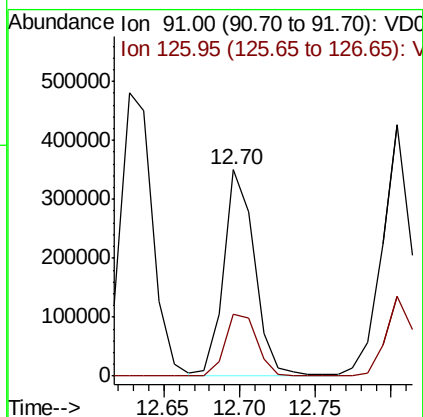
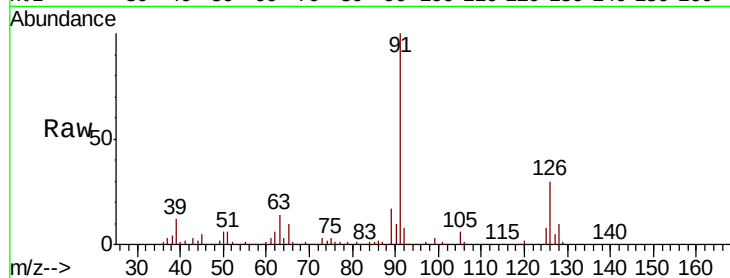




#79
 2-Chlorotoluene
 Concen: 49.94 ug/l
 RT: 12.70 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

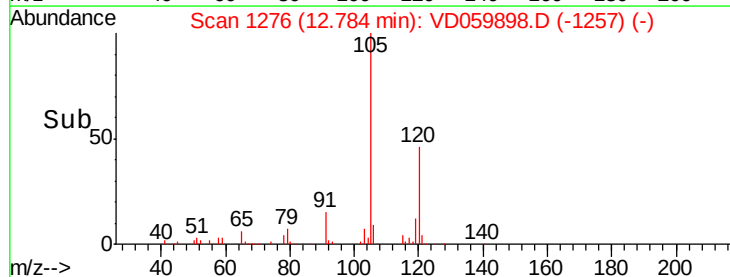
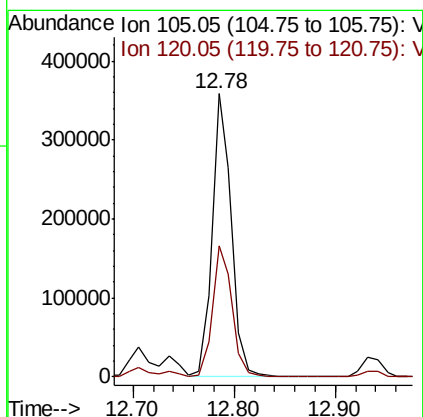
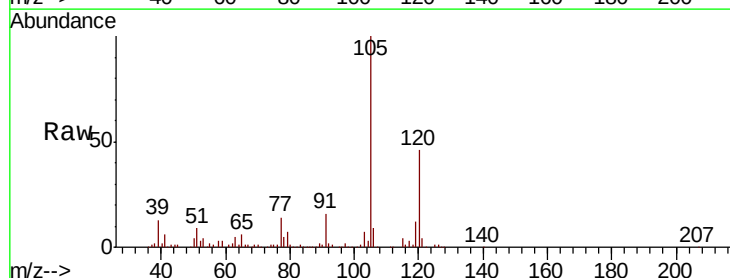
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

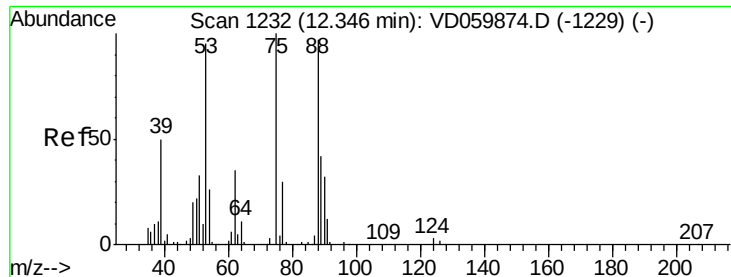
Tot Ion: 91 Resp: 492312
 Ion Ratio Lower Upper
 91 100
 126 30.3 16.1 48.2



#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

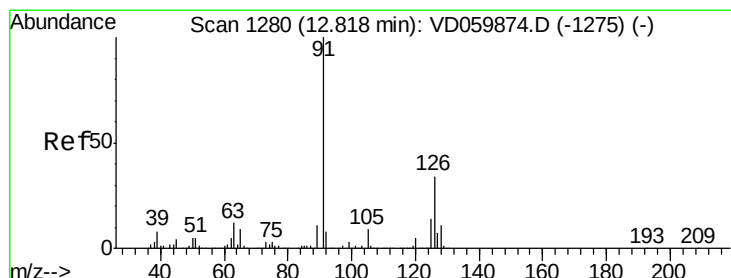
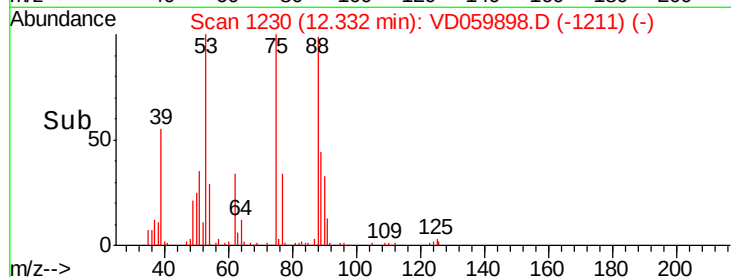
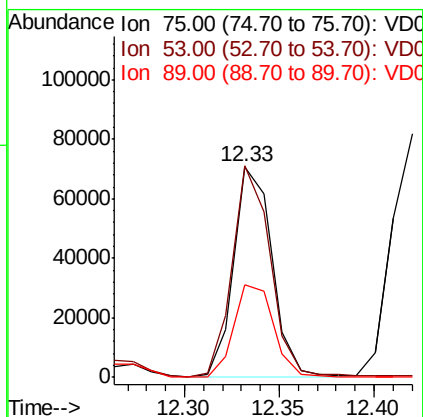
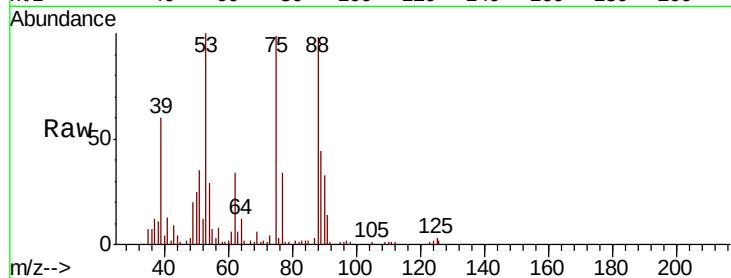
Tot Ion: 75 Resp: 99142

Ion Ratio Lower Upper

75 100

53 100.7 75.8 113.6

89 44.2 33.6 50.4



#82

4-Chlorotoluene

Concen: 50.94 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VD059898.D

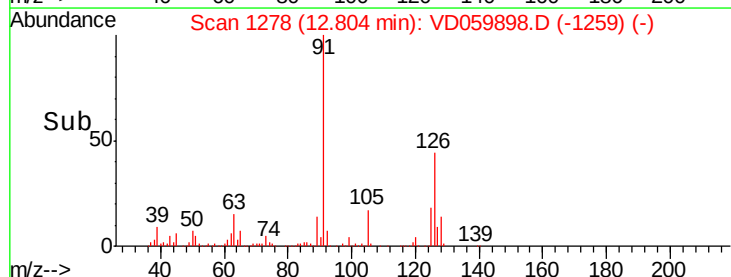
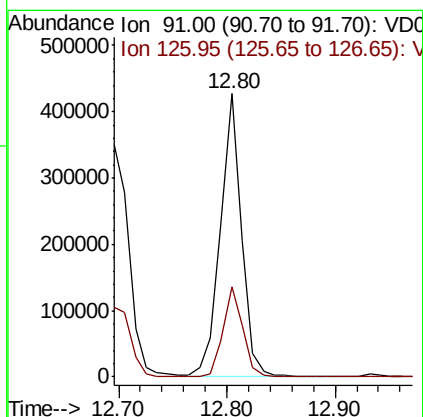
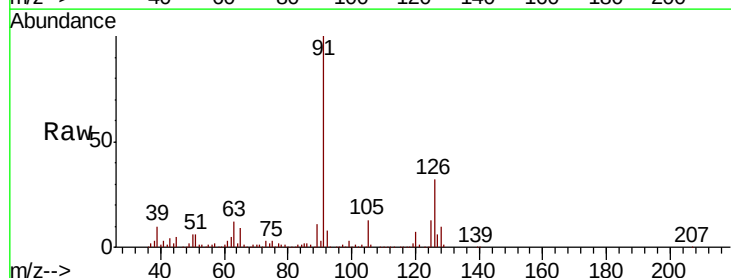
Acq: 23 Aug 2018 19:55

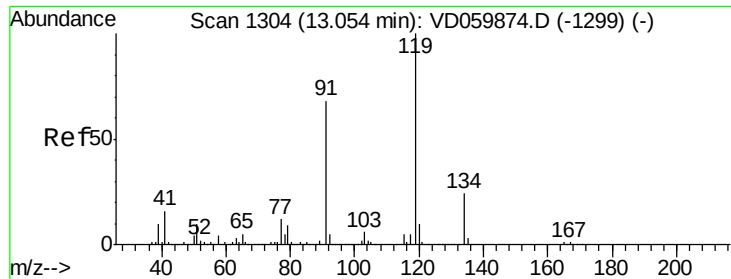
Tgt Ion: 91 Resp: 572733

Ion Ratio Lower Upper

91 100

126 31.7 17.1 51.2

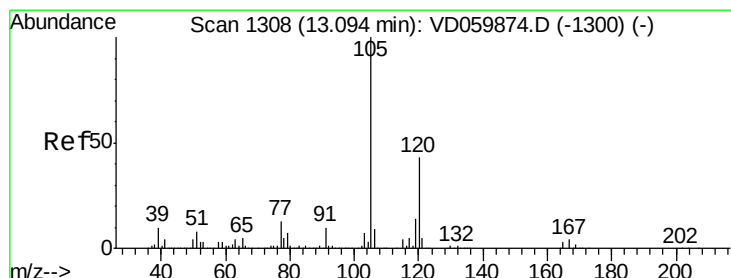
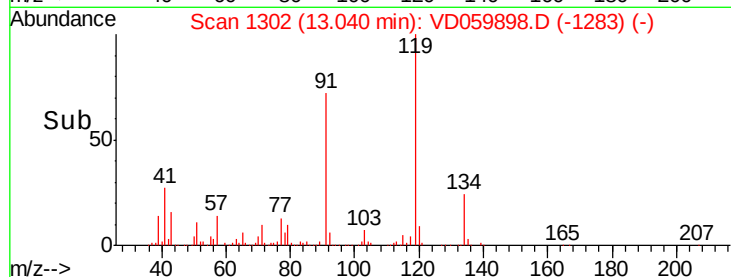
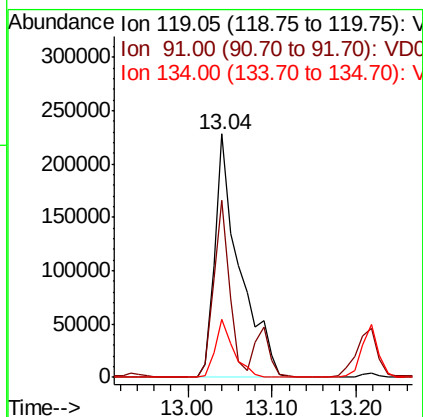
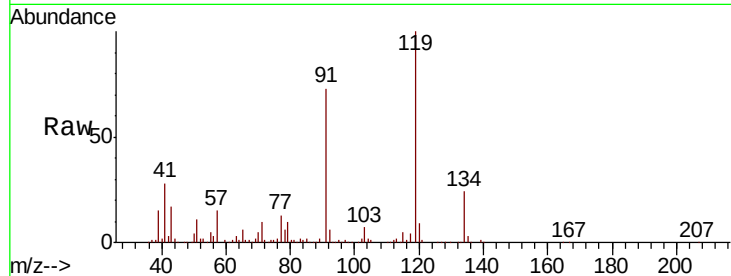




#83
 tert-Butylbenzene
 Concen: 37.45 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

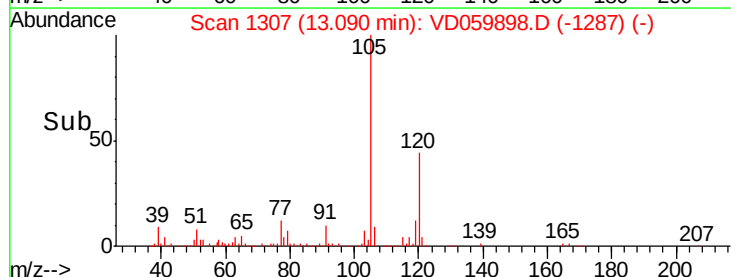
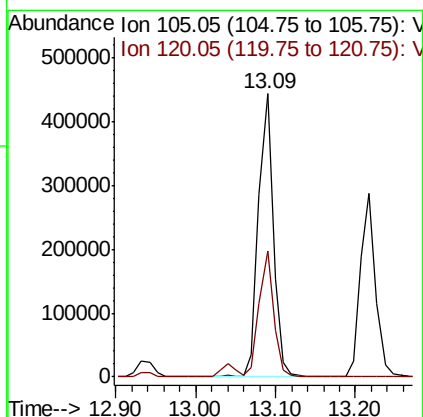
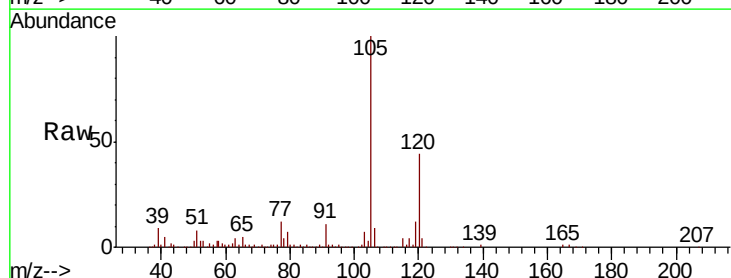
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

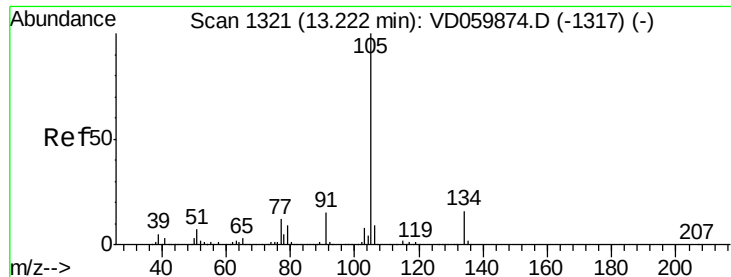
Tot Ion:119 Resp: 466843
 Ion Ratio Lower Upper
 119 100
 91 72.7 34.3 102.9
 134 23.6 11.9 35.9



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

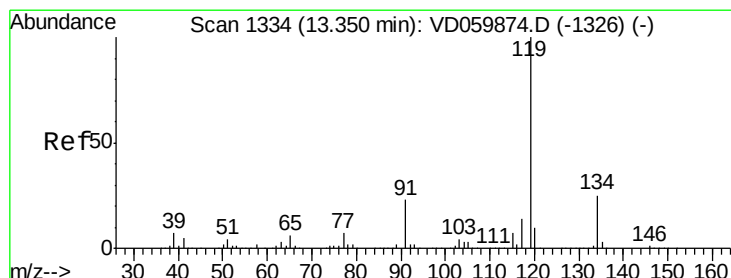
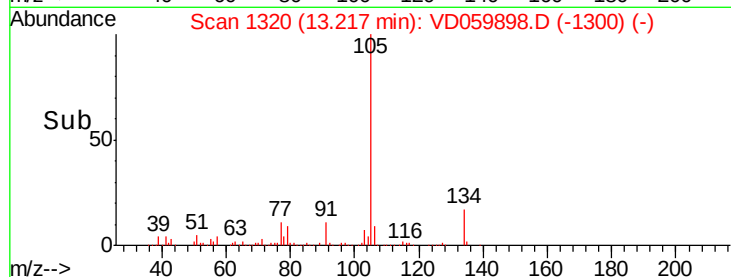
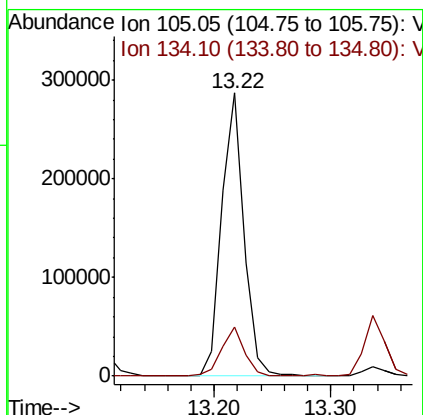
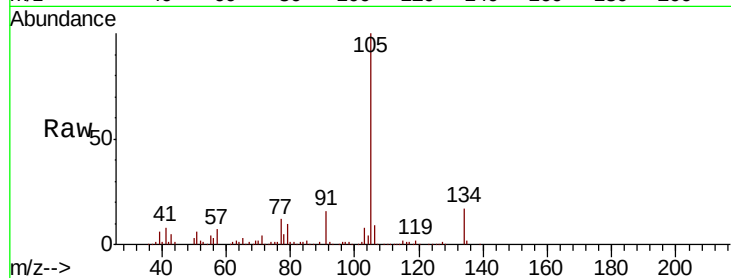




#85
 sec-Butylbenzene
 Concen: 25.68 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

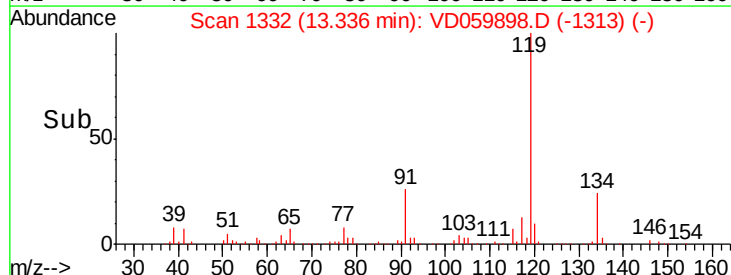
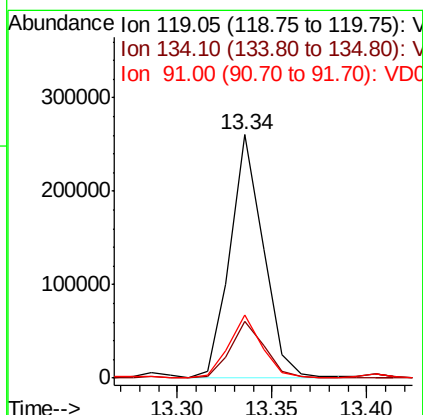
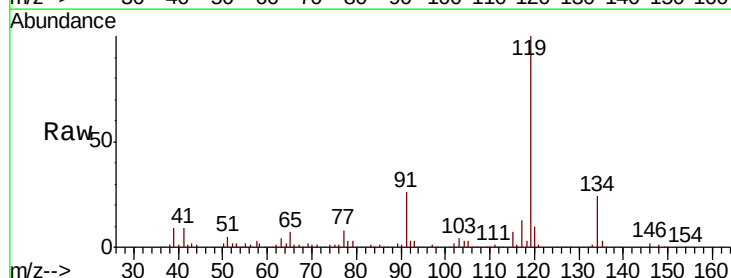
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

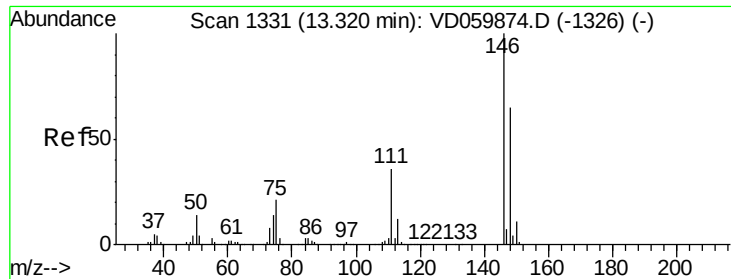
Tot Ion:105 Resp: 376521
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.2 24.4



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

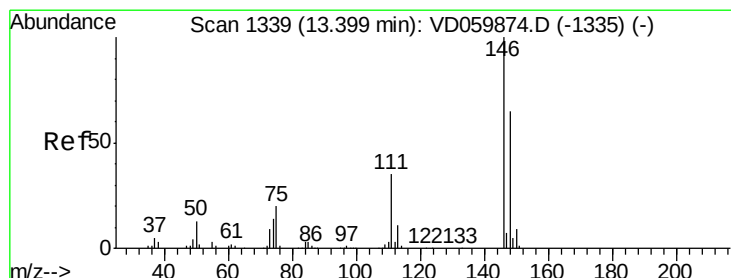
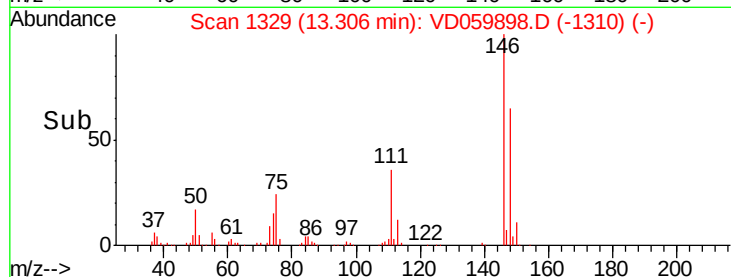
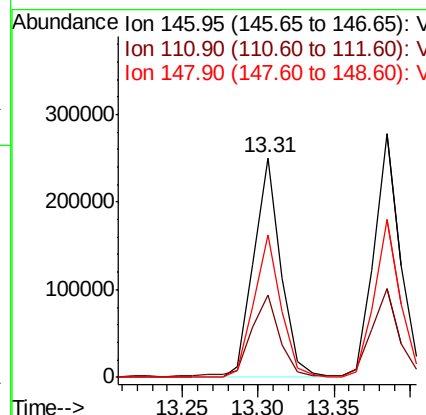
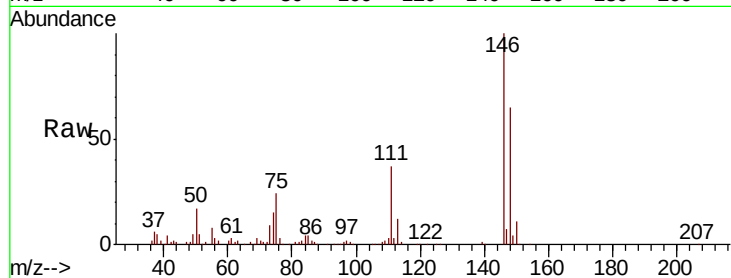




#87
 1,3-Dichlorobenzene
 Concen: 45.96 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

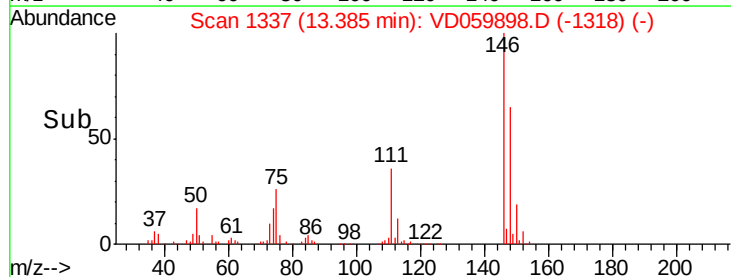
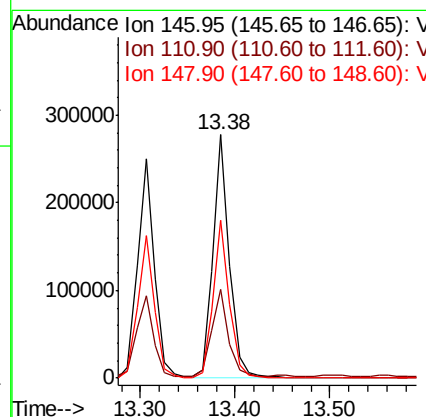
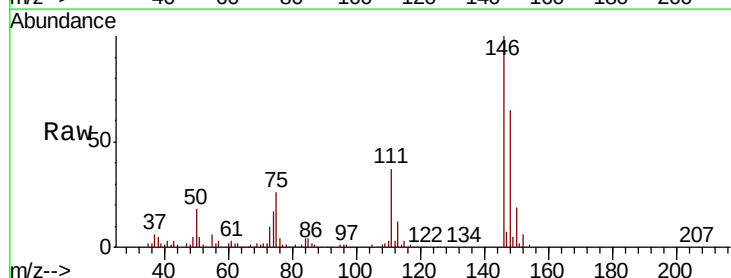
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

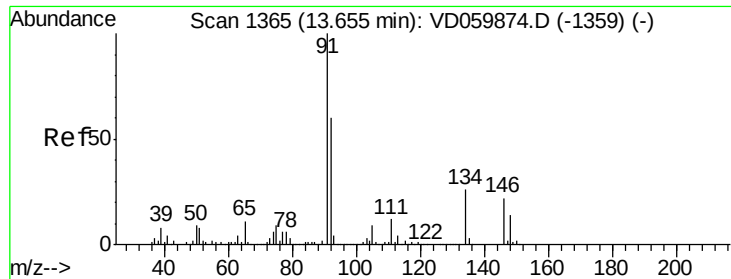
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	17.9	53.7
148	65.0	32.4	97.0



#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

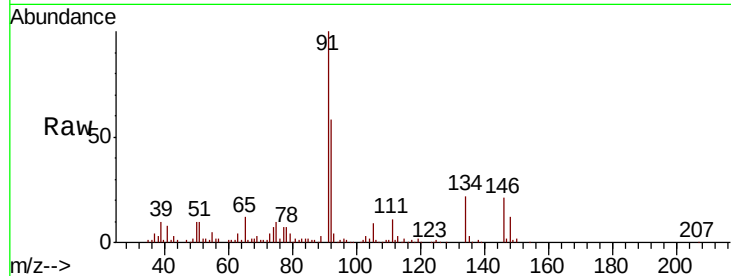




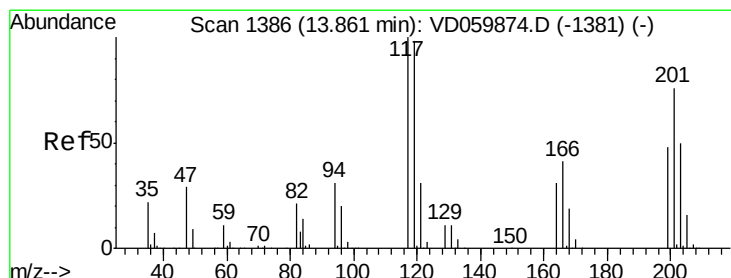
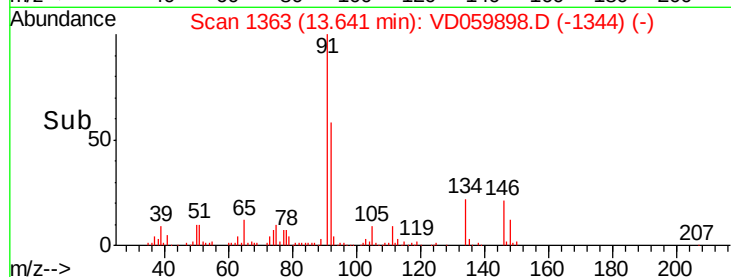
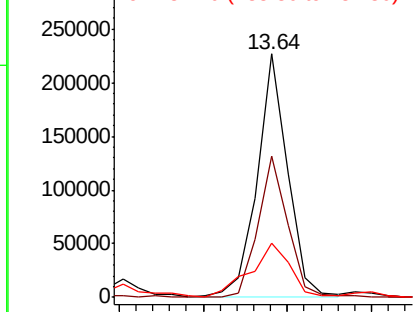
#89
n-Butylbenzene
Concen: 22.12 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

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

Tot Ion: 91 Resp: 282383
Ion Ratio Lower Upper
91 100
92 57.9 30.0 90.1
134 22.1 12.8 38.4

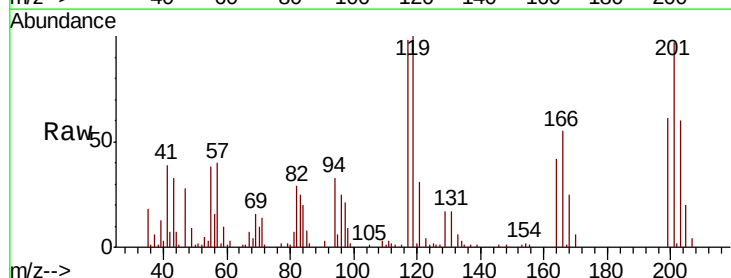


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

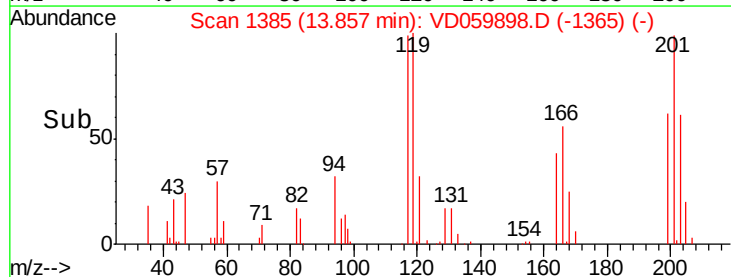
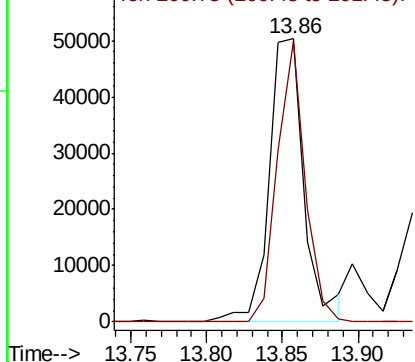


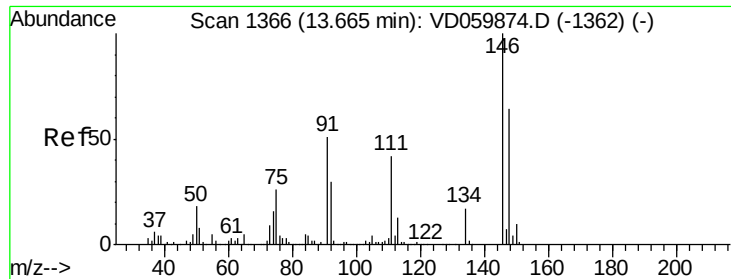
#90
Hexachloroethane
Concen: 25.46 ug/l
RT: 13.86 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

Tgt Ion: 117 Resp: 81507
Ion Ratio Lower Upper
117 100
201 99.3 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

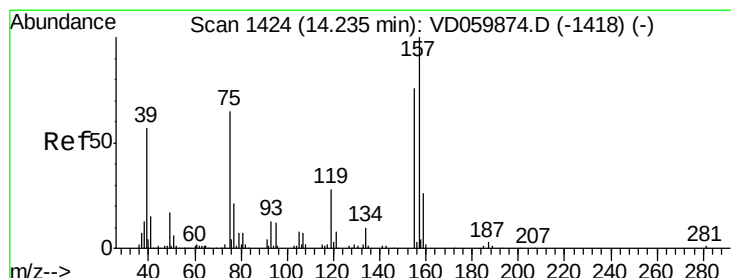
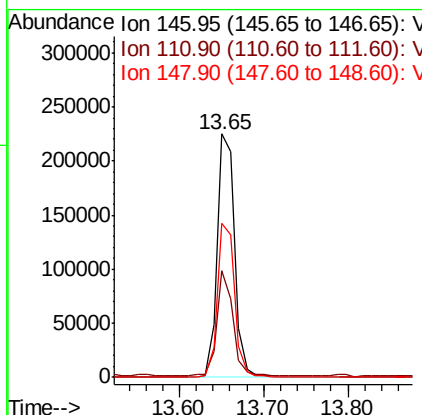
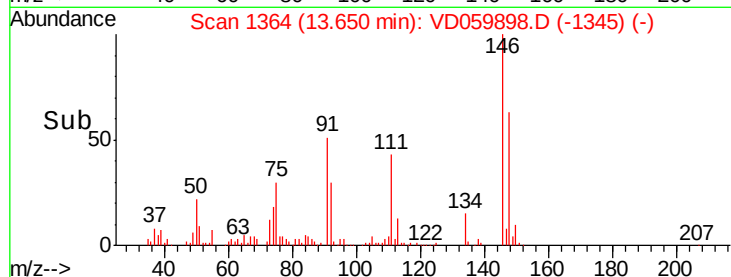
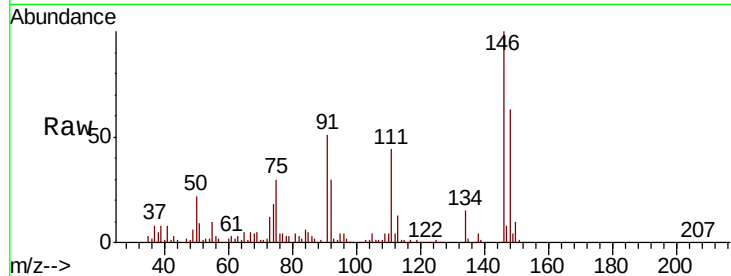




#91
 1,2-Dichlorobenzene
 Concen: 55.78 ug/l
 RT: 13.65 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

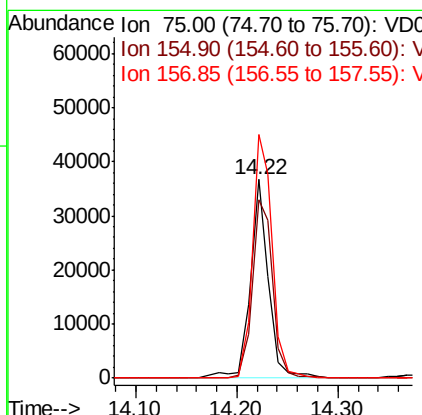
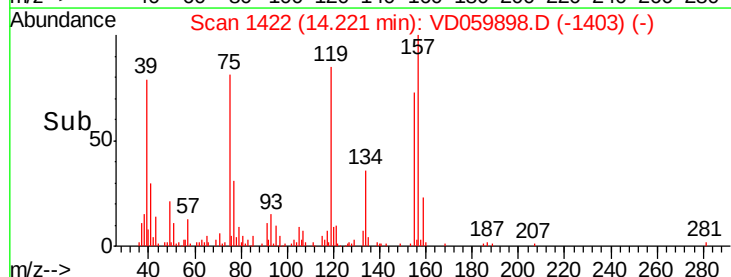
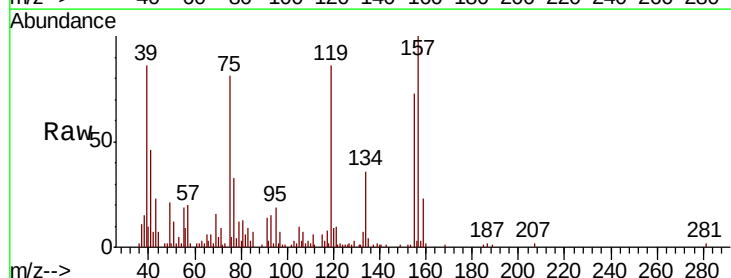
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

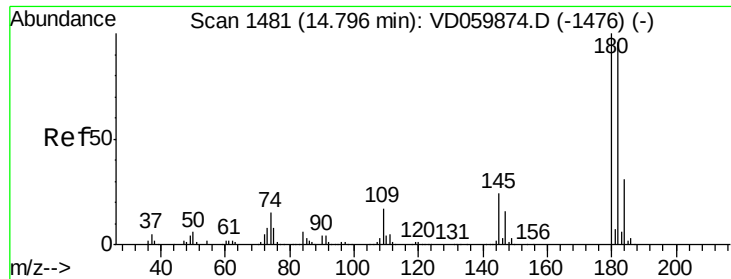
Tot Ion:146 Resp: 323166
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.1 63.1
 148 63.3 32.2 96.6



#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

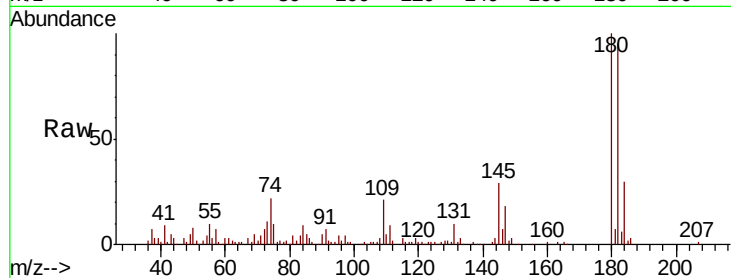




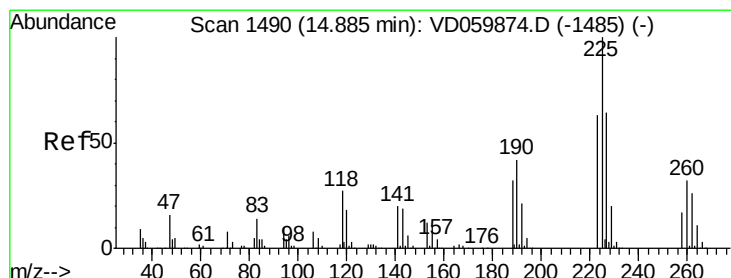
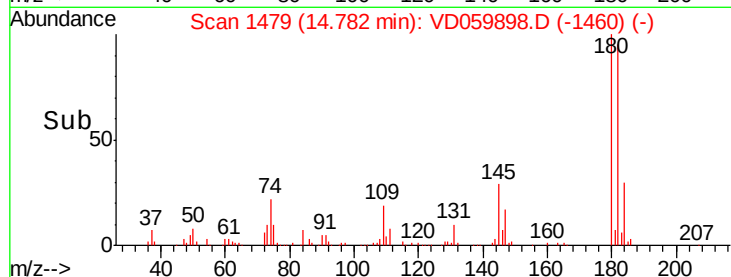
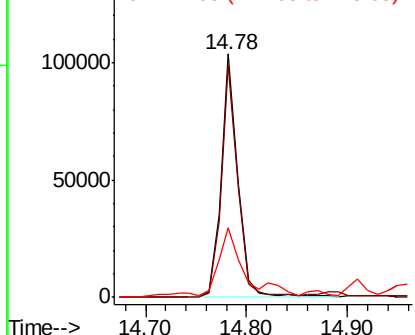
#93
 1,2,4-Trichlorobenzene
 Concen: 24.42 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

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

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

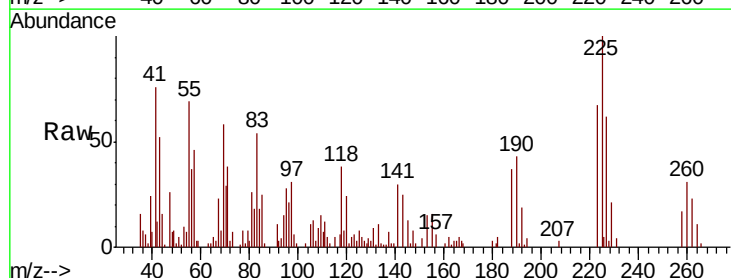


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

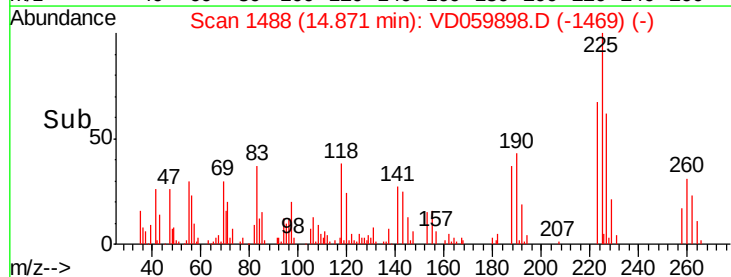
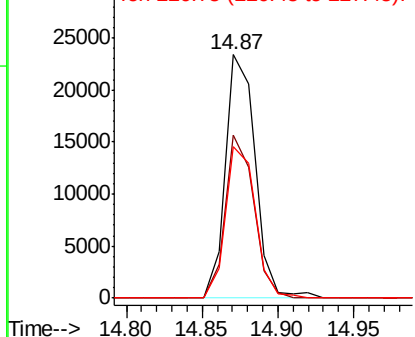


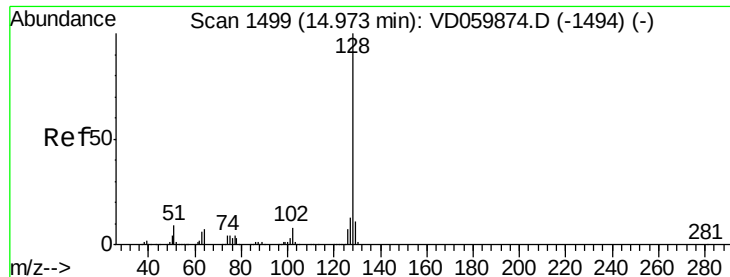
#94
 Hexachlorobutadiene
 Concen: 9.80 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059898.D
 Acq: 23 Aug 2018 19:55

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



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

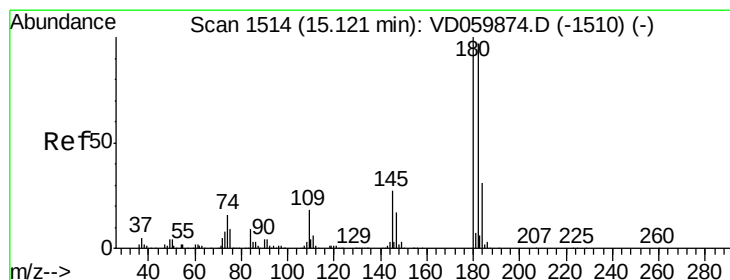
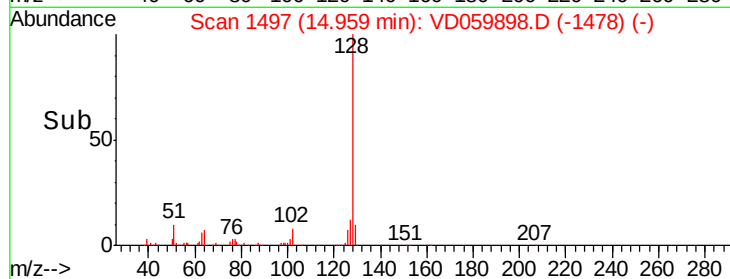
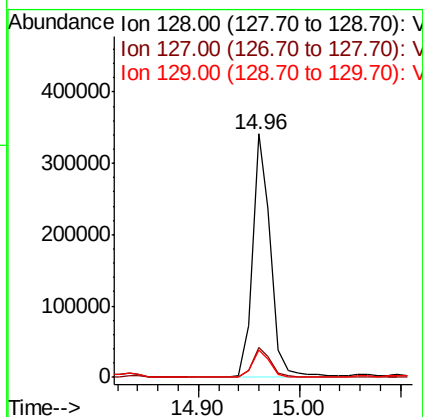
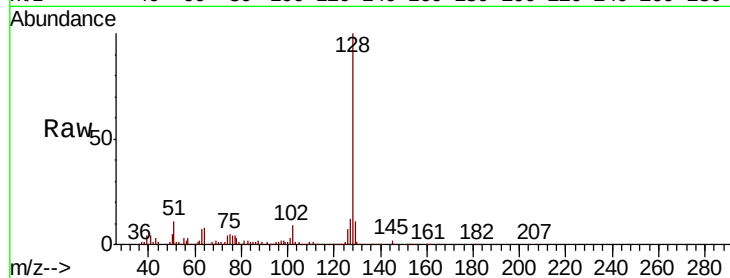




#95
Naphthalene
Concen: 56.29 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059898.D
Acq: 23 Aug 2018 19:55

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



#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

