

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059893.D
 Acq On : 23 Aug 2018 17:33
 Operator : JC/SY
 Sample : J4559-10MS
 Misc : 5.14g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 24 05:26:54 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	923366	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1308273	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	897215	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	330283	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	413738	53.16	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	6.31	113	528322	51.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	9.45	98	1258198	44.20	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	88.40%	
62) 4-Bromofluorobenzene	12.42	95	403731	34.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	69.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	408195	49.45	ug/l	99
3) Chloromethane	1.74	50	374871	50.13	ug/l	97
4) Vinyl Chloride	1.83	62	293033	49.98	ug/l	100
5) Bromomethane	2.13	94	42289	41.78	ug/l	99
6) Chloroethane	2.23	64	96651	51.62	ug/l	99
7) Trichlorofluoromethane	2.49	101	346672	51.11	ug/l	98
8) Diethyl Ether	2.80	74	90443	59.44	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.06	101	189802	45.69	ug/l	94
10) Methyl Iodide	3.22	142	182512	41.85	ug/l	100
11) Tert butyl alcohol	3.96	59	183642	309.25	ug/l	99
12) 1,1-Dichloroethene	3.05	96	163713	50.63	ug/l	98
13) Acrolein	2.97	56	1301	5.05	ug/l	86
14) Allyl chloride	3.51	41	328845	44.95	ug/l	97
15) Acrylonitrile	4.06	53	633539	284.90	ug/l	99
16) Acetone	3.14	43	407435	287.35	ug/l	100
17) Carbon Disulfide	3.29	76	359472	35.81	ug/l	98
18) Methyl Acetate	3.53	43	547554	184.99	ug/l	97
19) Methyl tert-butyl Ether	4.10	73	1122098	61.34	ug/l	98
20) Methylene Chloride	3.69	84	551667	58.96	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	420479	47.19	ug/l	99
22) Diisopropyl ether	4.83	45	2248201	60.26	ug/l #	81
23) Vinyl Acetate	4.83	43	996707	47.79	ug/l #	81
24) 1,1-Dichloroethane	4.73	63	922096	57.21	ug/l	99
25) 2-Butanone	5.61	43	1351720	321.89	ug/l	98
26) 2,2-Dichloropropane	5.57	77	509939	37.85	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	504378	51.70	ug/l	99
28) Bromochloromethane	5.90	49	422240	54.66	ug/l	99
29) Tetrahydrofuran	5.93	42	628650	314.45	ug/l	99
30) Chloroform	6.08	83	917004	55.98	ug/l	99
31) Cyclohexane	6.35	56	478235	32.27	ug/l	99
32) 1,1,1-Trichloroethane	6.28	97	713977	51.36	ug/l	98
36) 1,1-Dichloropropene	6.50	75	519064	43.77	ug/l	97
37) Ethyl Acetate	5.61	43	1361822	147.57	ug/l #	84
38) Carbon Tetrachloride	6.49	117	545713	45.60	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	283817	22.15	ug/l	100
40) Benzene	6.78	78	1614079	52.34	ug/l	100
41) Methacrylonitrile	5.93	41	616658	132.65	ug/l #	78
42) 1,2-Dichloroethane	6.88	62	537928	54.34	ug/l	99
43) Isopropyl Acetate	8.34	43	75979	6.33	ug/l #	95
44) Trichloroethene	7.73	130	423731	46.67	ug/l	98
45) 1,2-Dichloropropane	8.09	63	461106	53.50	ug/l	99
46) Dibromomethane	8.21	93	287979	51.96	ug/l	94
47) Bromodichloromethane	8.48	83	662434	52.80	ug/l	99
48) Methyl methacrylate	8.24	41	497919	71.14	ug/l	98
49) 1,4-Dioxane	8.22	88	79335	1269.68	ug/l	91
51) 4-Methyl-2-Pentanone	9.33	43	2726800	304.64	ug/l	98
52) Toluene	9.54	92	914350	46.24	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	501453	43.21	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	604908	44.96	ug/l	100
55) 1,1,2-Trichloroethane	10.18	97	370128	51.21	ug/l	99
56) Ethyl methacrylate	10.02	69	181289	21.73	ug/l	93
57) 1,3-Dichloropropane	10.37	76	552595	52.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1025214	256.19	ug/l	95
59) 2-Hexanone	10.48	43	1744560	264.25	ug/l	97
60) Dibromochloromethane	10.63	129	467230	51.43	ug/l	97
61) 1,2-Dibromoethane	10.76	107	363724	49.77	ug/l	99
64) Tetrachloroethene	10.24	164	457821	65.99	ug/l	98
65) Chlorobenzene	11.31	112	902703	50.63	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	388309	59.61	ug/l	99
67) Ethyl Benzene	11.43	91	1408368	46.95	ug/l	99
68) m/p-Xylenes	11.56	106	1034735	94.75	ug/l	100
69) o-Xylene	11.93	106	528785	49.51	ug/l	95
70) Styrene	11.95	104	834206	45.10	ug/l	95
71) Bromoform	12.11	173	331743	58.86	ug/l #	98
73) Isopropylbenzene	12.27	105	1082660	51.35	ug/l	100
74) N-amyl acetate	12.13	43	40524	4.39	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.56	83	433944	88.98	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	404450	78.79	ug/l	99
77) Bromobenzene	12.54	156	378768	64.80	ug/l	88
78) n-propylbenzene	12.64	91	1148993	43.04	ug/l	100
79) 2-Chlorotoluene	12.70	91	807981	53.52	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	743095	44.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	87513	54.81	ug/l	95
82) 4-Chlorotoluene	12.80	91	864558	50.20	ug/l	93
83) tert-Butylbenzene	13.04	119	737055	38.60	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	732135	41.91	ug/l	99
85) sec-Butylbenzene	13.22	105	686449	30.57	ug/l	99
86) p-Isopropyltoluene	13.33	119	560975	30.72	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	481712	46.16	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	505151	48.52	ug/l	98
89) n-Butylbenzene	13.64	91	439784	22.54	ug/l	96
90) Hexachloroethane	13.86	117	146618	29.90	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	475642	53.60	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.22	75	60178	80.26	ug/l	68

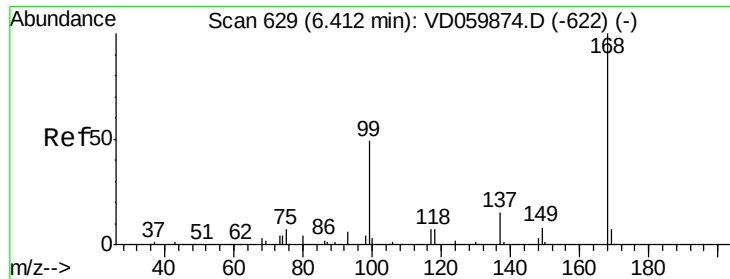
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	177540	23.37	ug/l	95
94) Hexachlorobutadiene	14.88	225	50445	10.13	ug/l	98
95) Naphthalene	14.97	128	261318	22.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	160495	24.70	ug/l	93

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

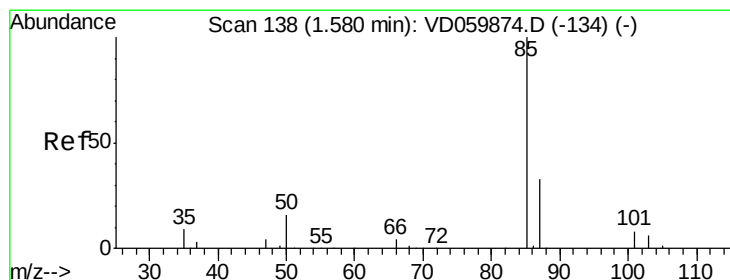
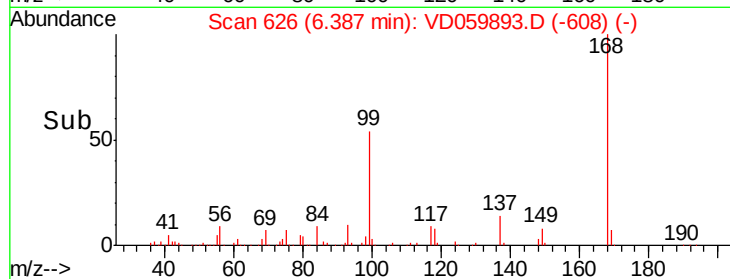
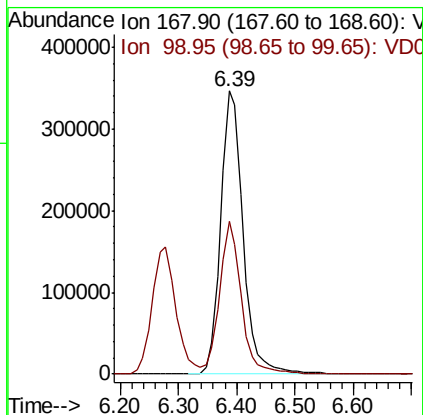
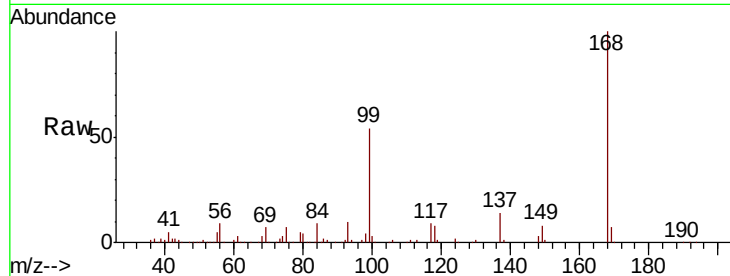


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.39 min Scan# 626
 Delta R.T. -0.03 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

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

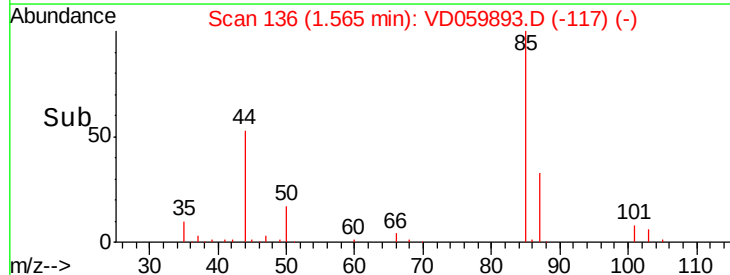
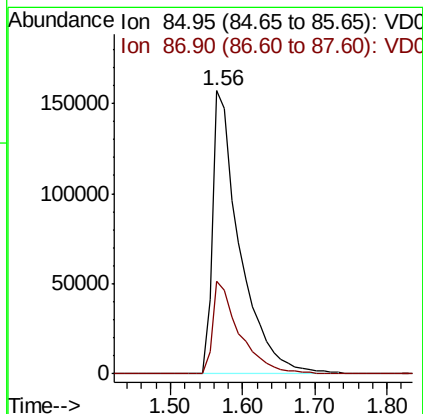
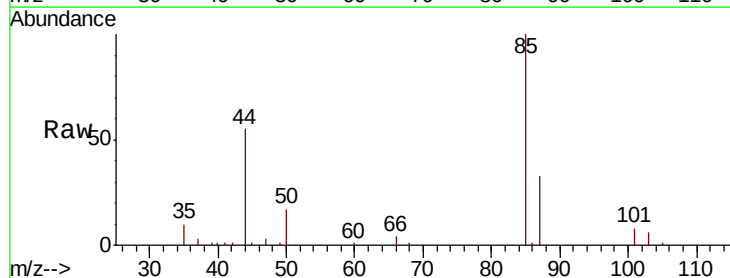
Tot Ion:168 Resp: 923366
 Ion Ratio Lower Upper
 168 100
 99 53.8 42.2 63.2

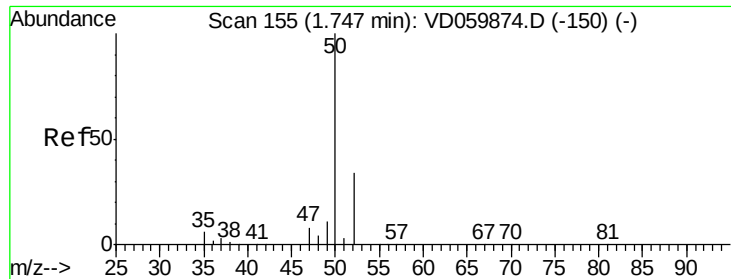


#2

Dichlorodifluoromethane
 Concen: 49.45 ug/l
 RT: 1.56 min Scan# 136
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 85 Resp: 408195
 Ion Ratio Lower Upper
 85 100
 87 32.7 16.8 50.3





#3

Chloromethane

Concen: 50.13 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

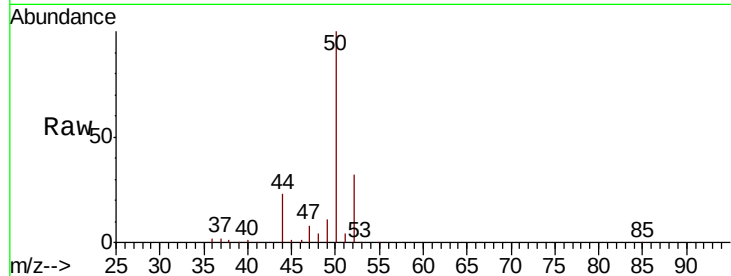
RA-081718-WSW-20-053

Tot Ion: 50 Resp: 374871

Ion Ratio Lower Upper

50 100

52 32.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

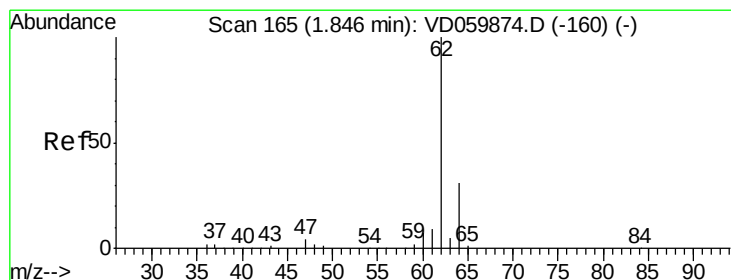
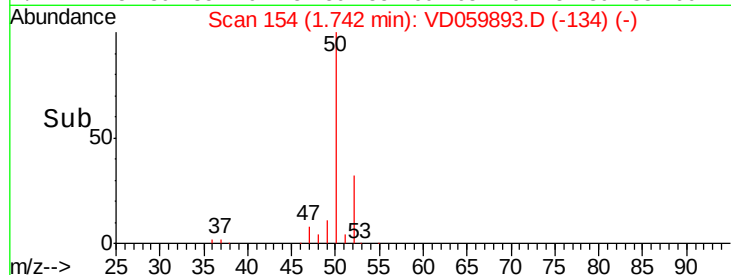
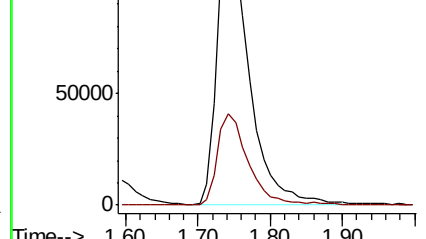
1.74

150000

100000

50000

0



#4

Vinyl Chloride

Concen: 49.98 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059893.D

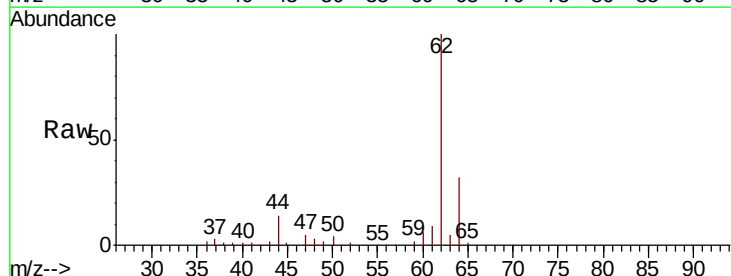
Acq: 23 Aug 2018 17:33

Tgt Ion: 62 Resp: 293033

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

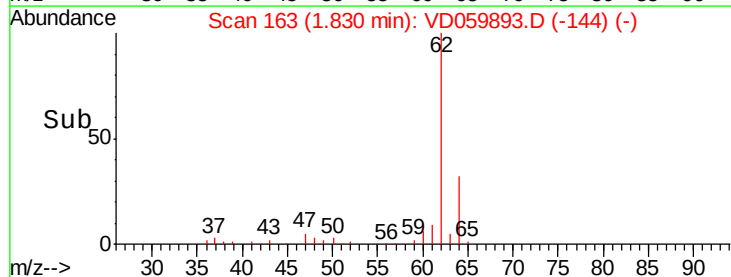
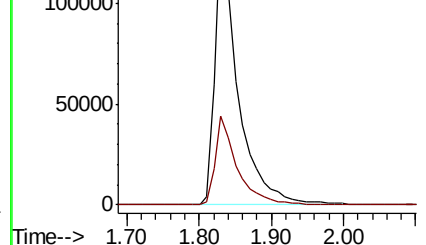
1.83

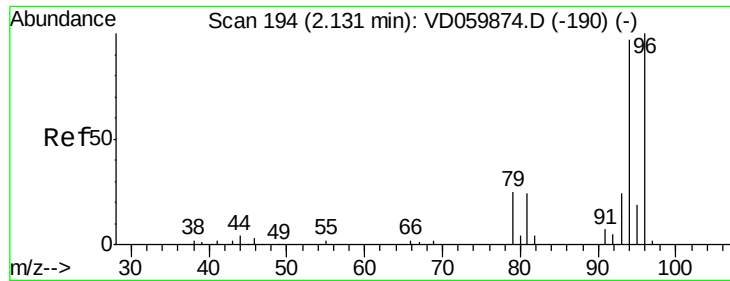
150000

100000

50000

0





#5

Bromomethane

Concen: 41.78 ug/l

RT: 2.13 min Scan# 193

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

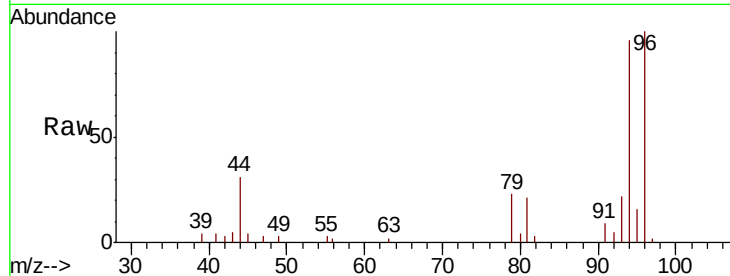
RA-081718-WSW-20-053

Tot Ion: 94 Resp: 42289

Ion Ratio Lower Upper

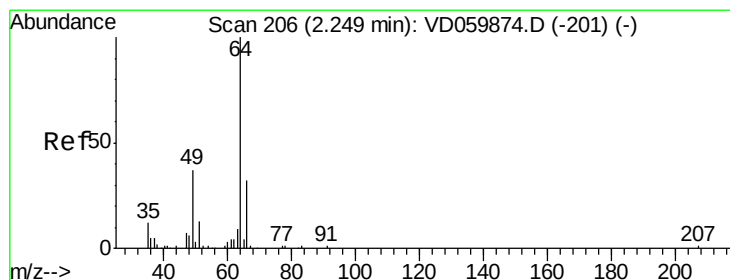
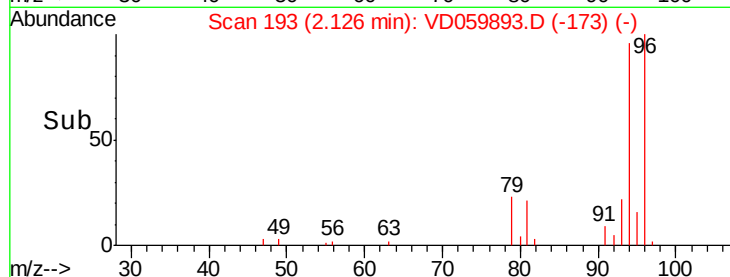
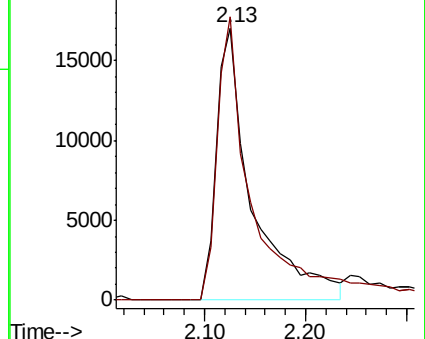
94 100

96 103.9 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: 51.62 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059893.D

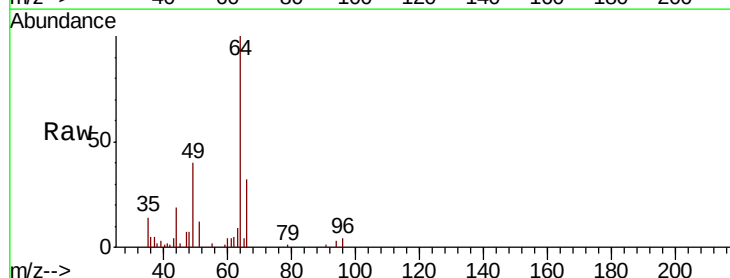
Acq: 23 Aug 2018 17:33

Tgt Ion: 64 Resp: 96651

Ion Ratio Lower Upper

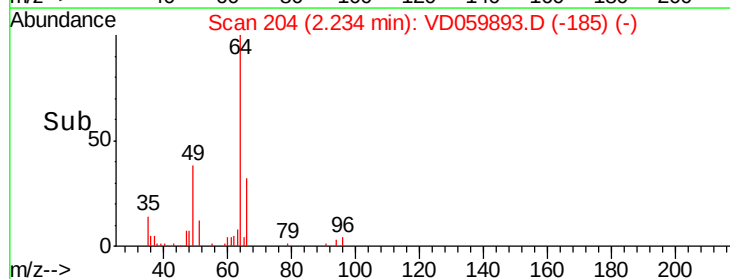
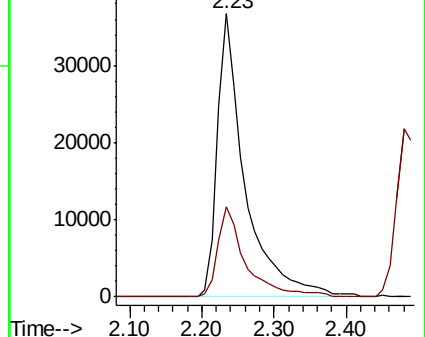
64 100

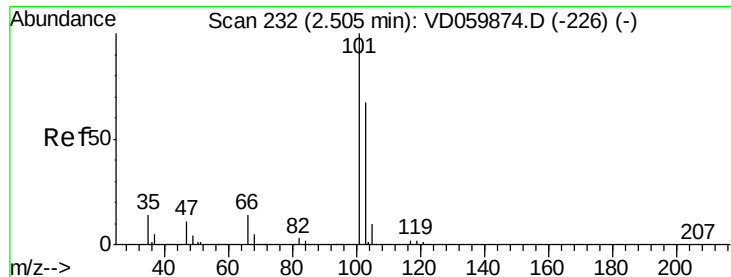
66 32.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 51.11 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

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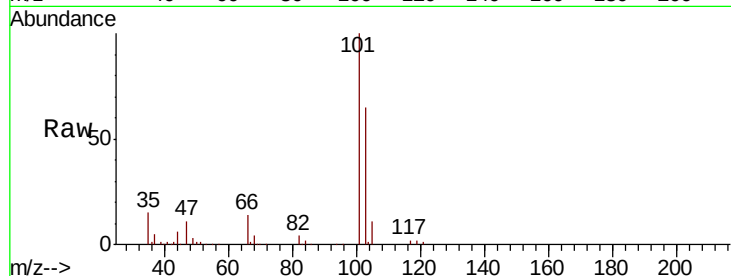
RA-081718-WSW-20-053

Tot Ion:101 Resp: 346672

Ion Ratio Lower Upper

101 100

103 65.2 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.49

150000

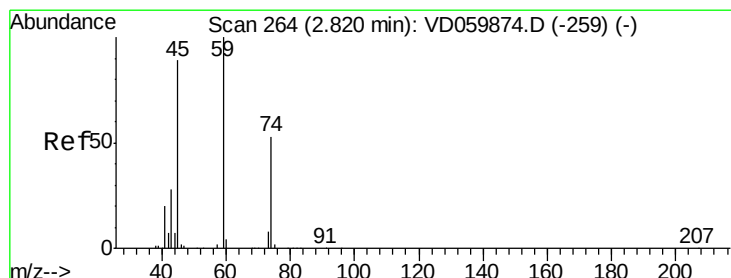
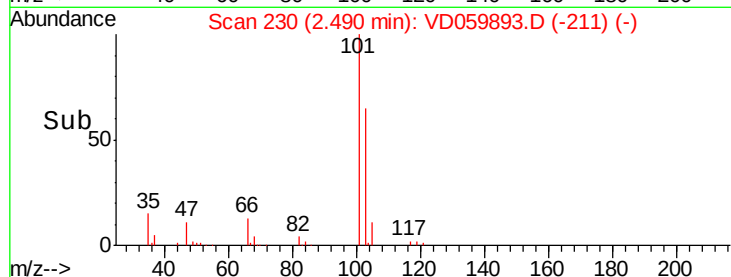
100000

50000

0

2.40 2.50 2.60 2.70

Time-->



#8

Diethyl Ether

Concen: 59.44 ug/l

RT: 2.80 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD059893.D

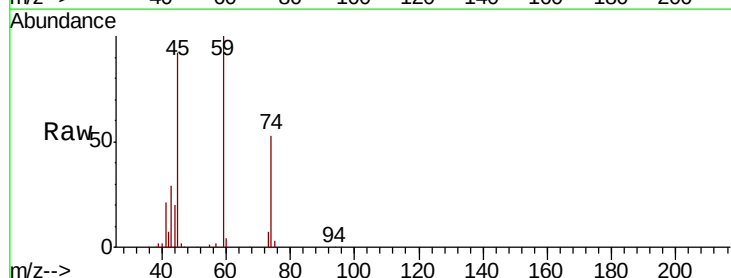
Acq: 23 Aug 2018 17:33

Tgt Ion: 74 Resp: 90443

Ion Ratio Lower Upper

74 100

45 171.3 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

80000

60000

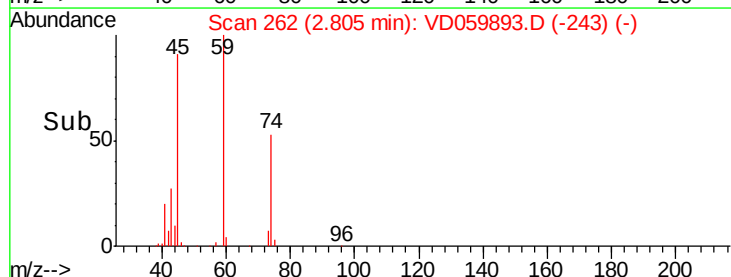
40000

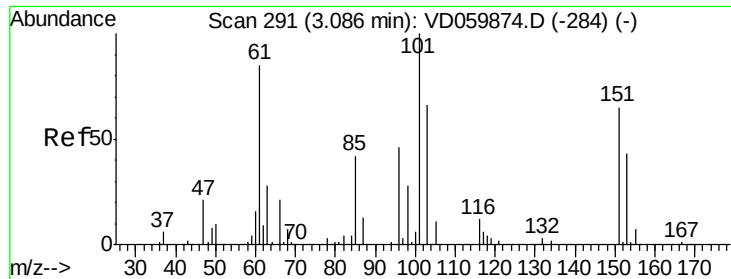
20000

0

2.70 2.80 2.90 3.00

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.69 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

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ClientSampleId :

RA-081718-WSW-20-053

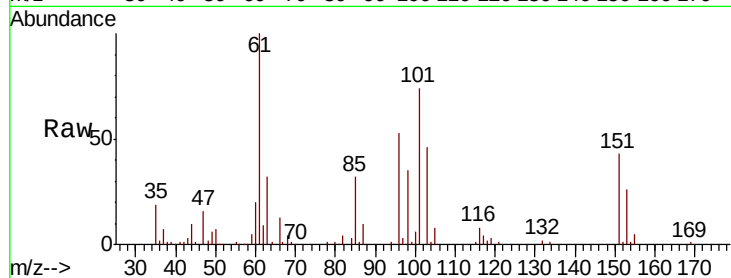
Tot Ion:101 Resp: 189802

Ion Ratio Lower Upper

101 100

85 42.4 33.6 50.4

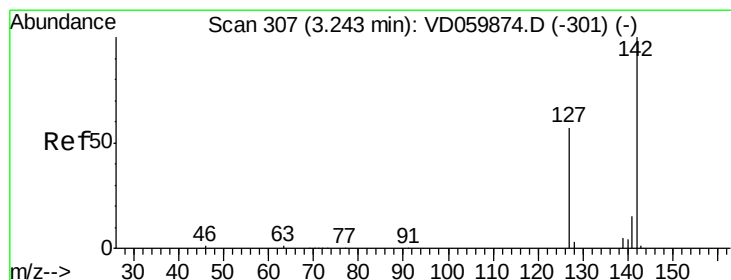
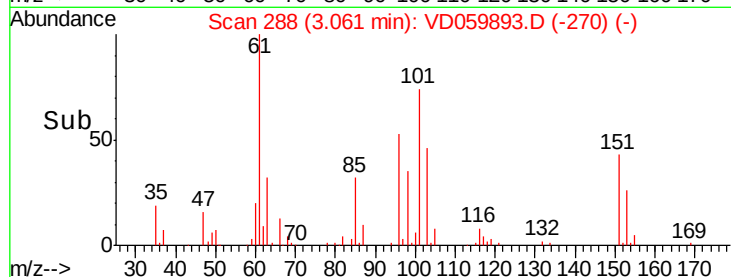
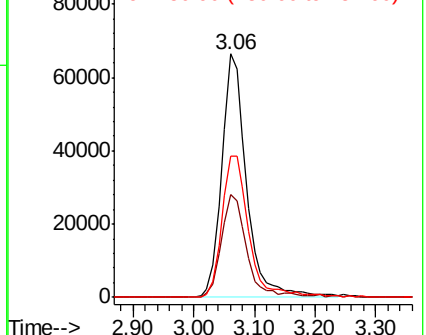
151 58.0 52.0 78.0



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: 41.85 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

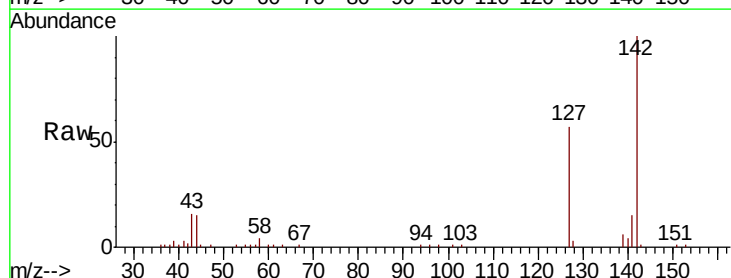
Tgt Ion:142 Resp: 182512

Ion Ratio Lower Upper

142 100

127 57.3 45.8 68.6

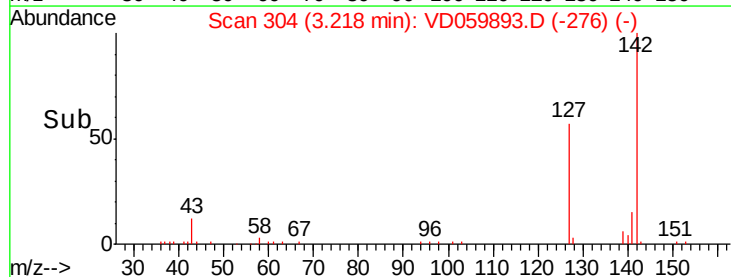
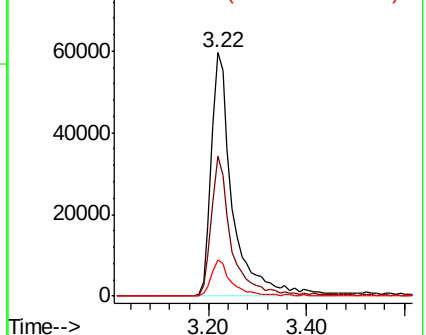
141 14.9 11.6 17.4

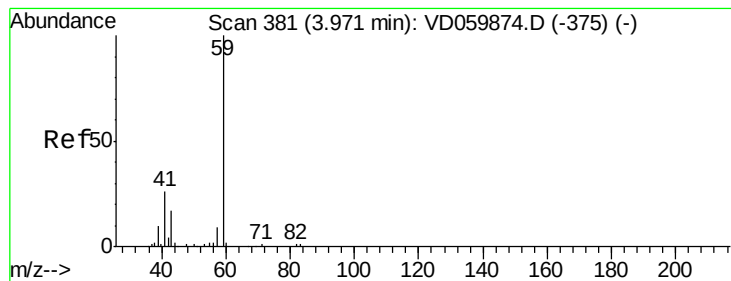


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



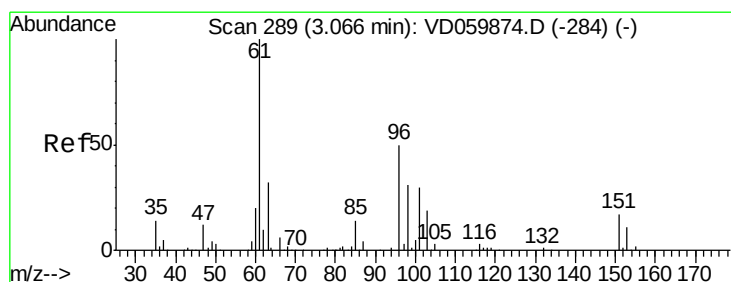
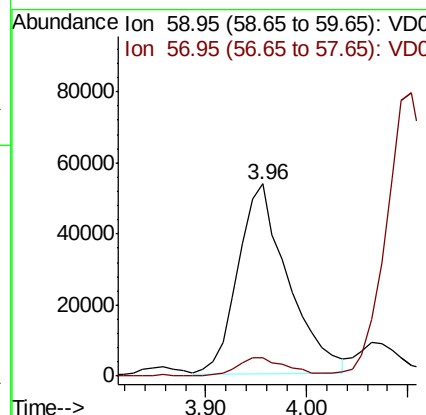
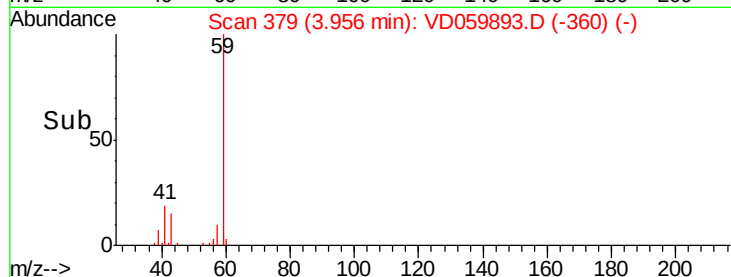
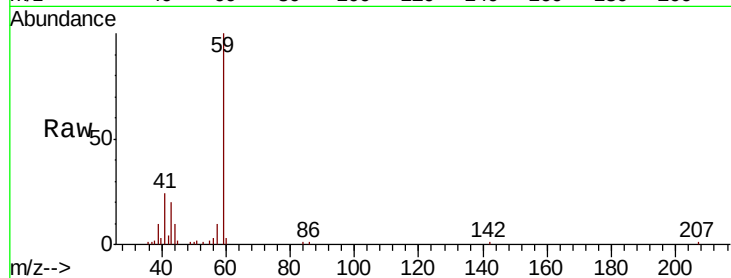


#11

Tert butyl alcohol
 Concen: 309.25 ug/l
 RT: 3.96 min Scan# 379
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

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

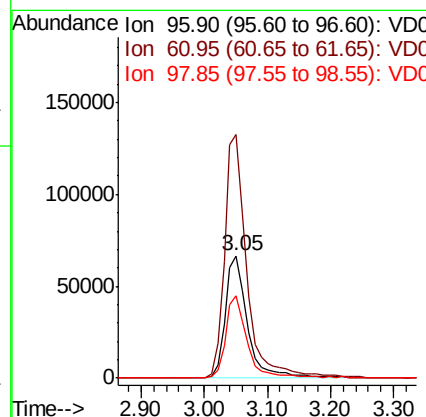
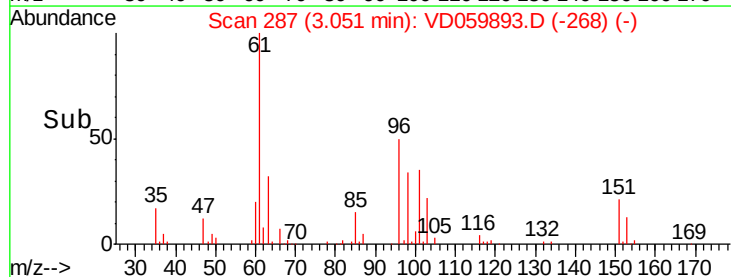
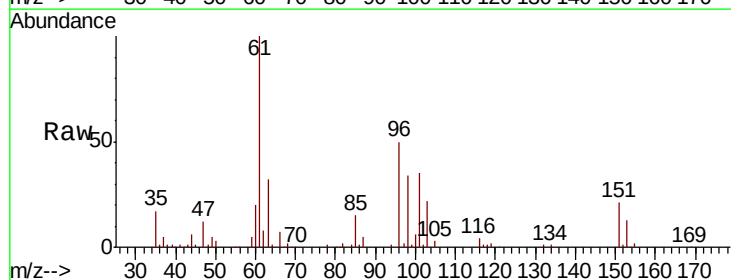
Tot Ion: 59 Resp: 183642
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.4 11.0

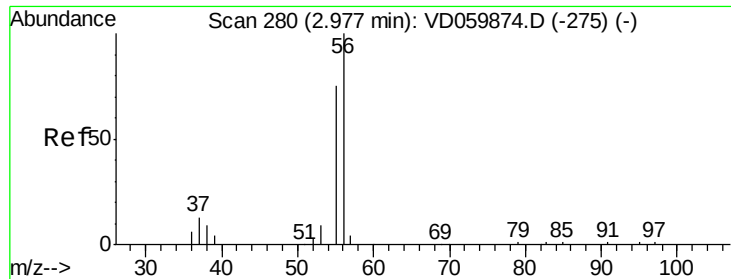


#12

1,1-Dichloroethene
 Concen: 50.63 ug/l
 RT: 3.05 min Scan# 287
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 96 Resp: 163713
 Ion Ratio Lower Upper
 96 100
 61 199.5 158.8 238.2
 98 67.1 48.7 73.1





#13

Acrolein

Concen: 5.05 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

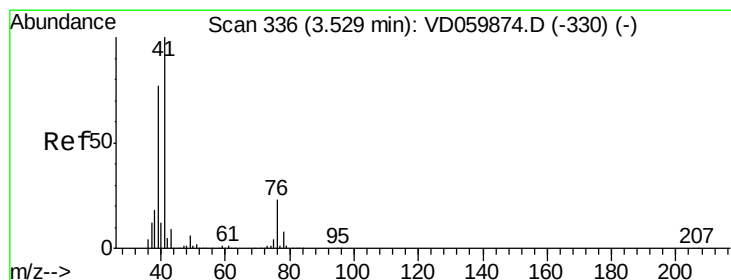
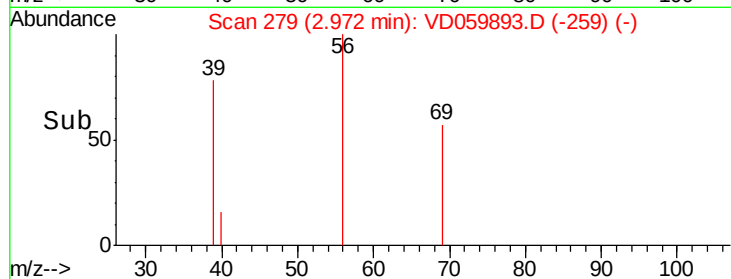
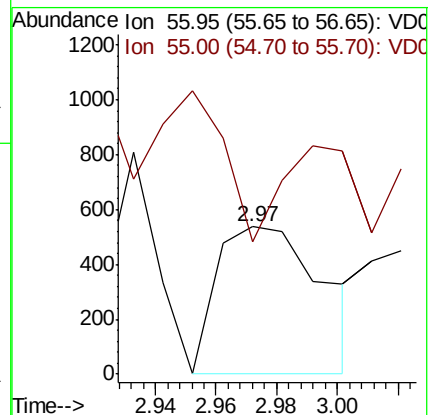
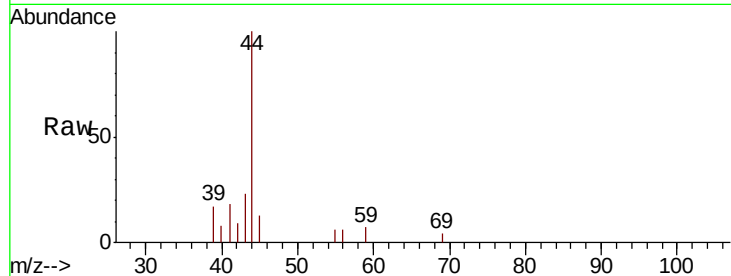
RA-081718-WSW-20-053

Tot Ion: 56 Resp: 1301

Ion Ratio Lower Upper

56 100

55 89.6 61.9 92.9



#14

Allyl chloride

Concen: 44.95 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

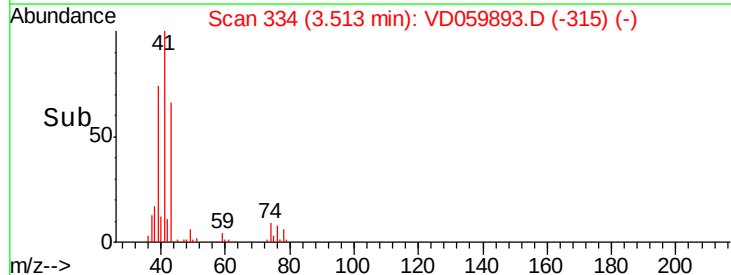
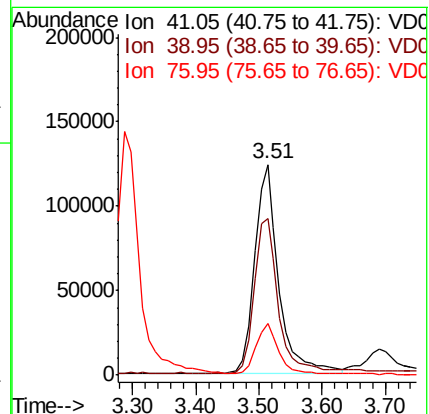
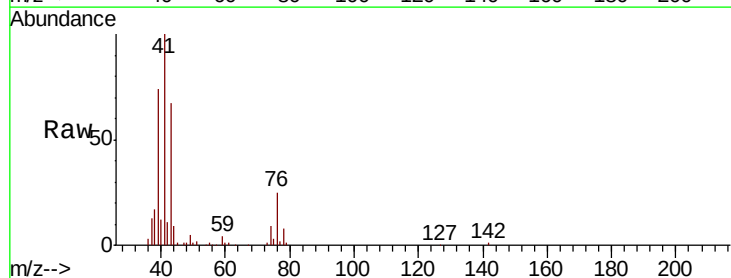
Tgt Ion: 41 Resp: 328845

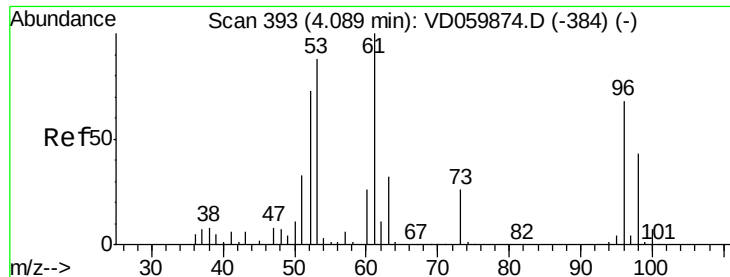
Ion Ratio Lower Upper

41 100

39 74.3 61.8 92.6

76 24.6 19.4 29.2





#15

Acrylonitrile

Concen: 284.90 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

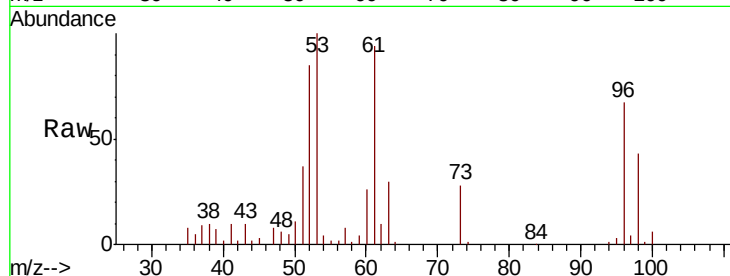
Tot Ion: 53 Resp: 633539

Ion Ratio Lower Upper

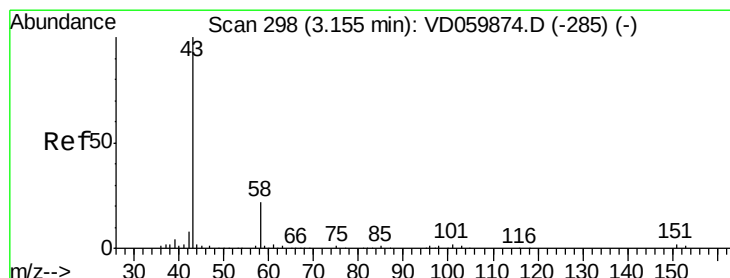
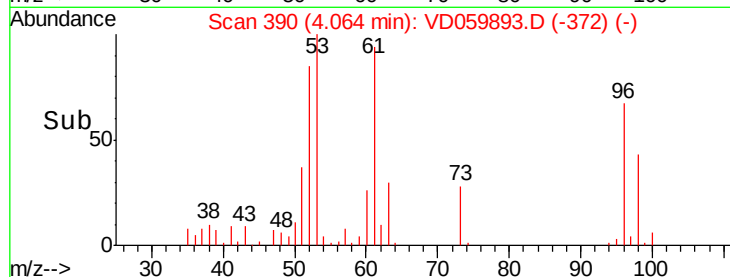
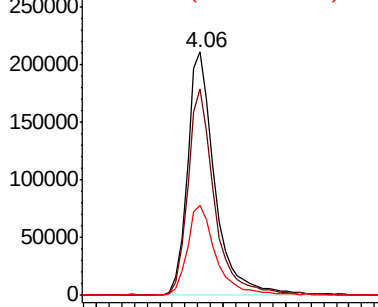
53 100

52 85.0 66.9 100.3

51 37.2 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: 287.35 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059893.D

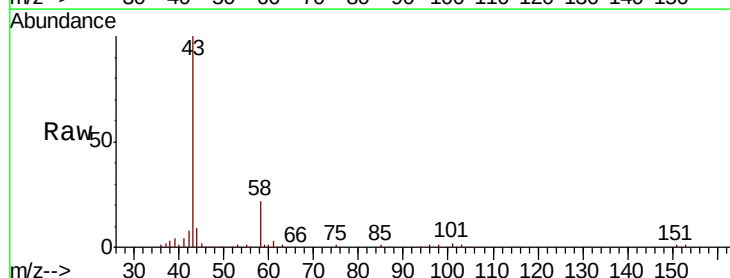
Acq: 23 Aug 2018 17:33

Tgt Ion: 43 Resp: 407435

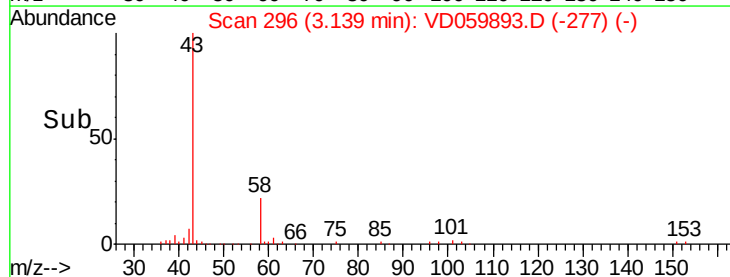
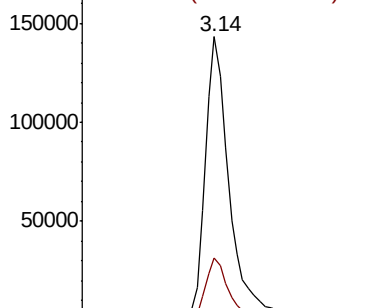
Ion Ratio Lower Upper

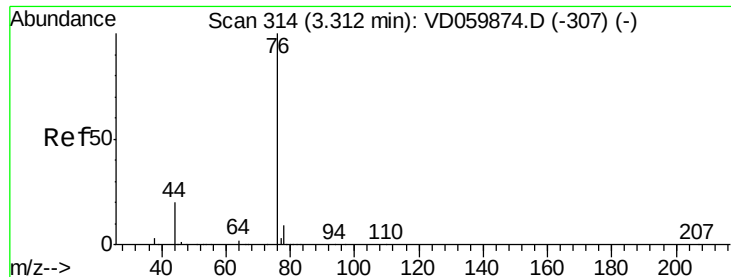
43 100

58 21.8 17.6 26.4



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

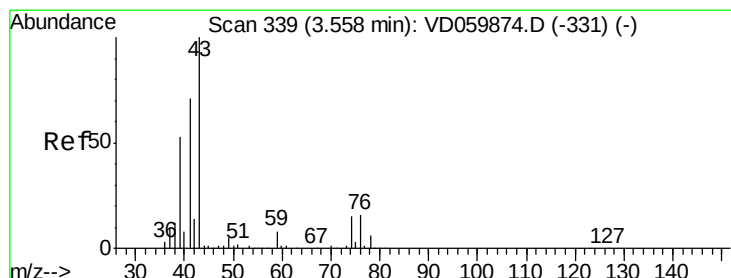
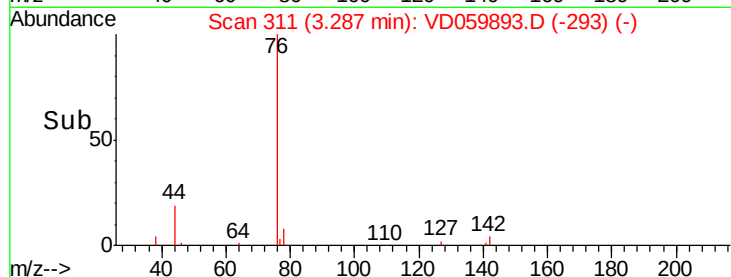
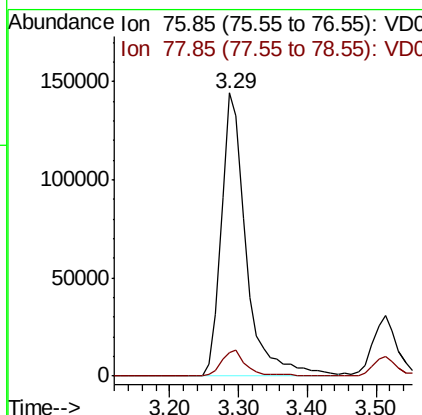
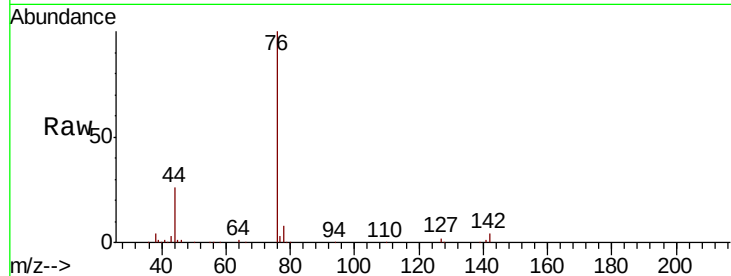




#17
Carbon Disulfide
Concen: 35.81 ug/l
RT: 3.29 min Scan# 311
Delta R.T. -0.03 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

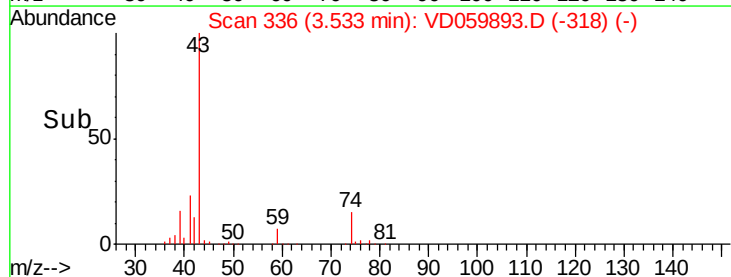
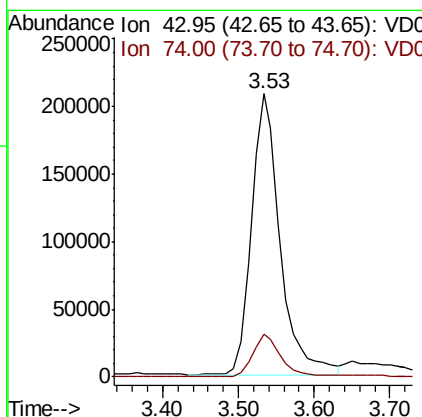
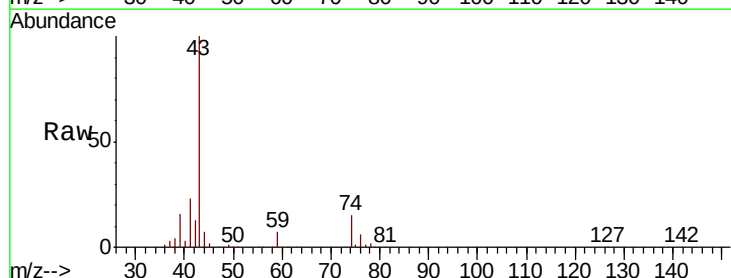
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

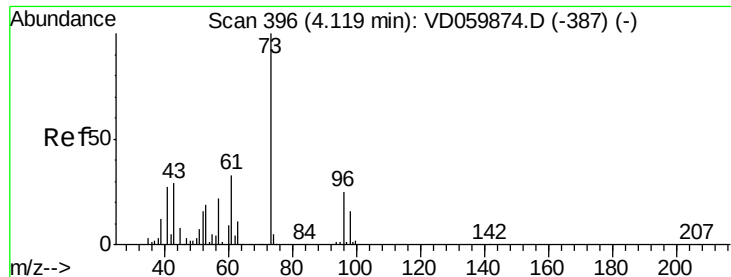
Tot Ion: 76 Resp: 359472
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 184.99 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 43 Resp: 547554
Ion Ratio Lower Upper
43 100
74 15.3 11.2 16.8





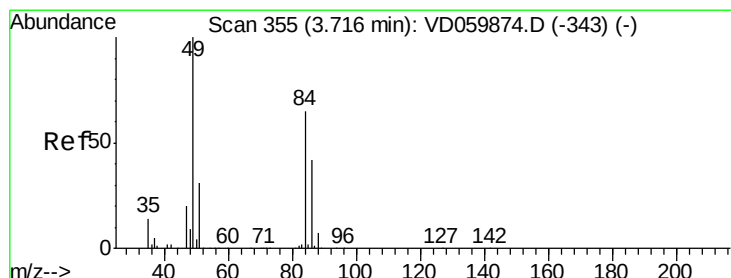
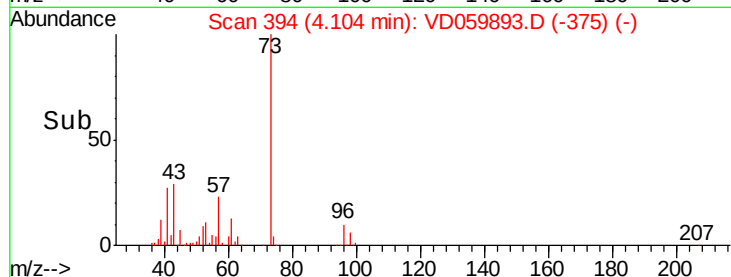
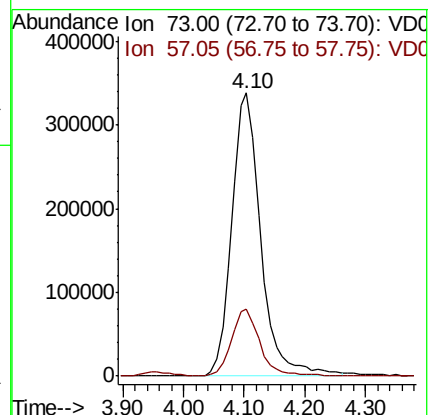
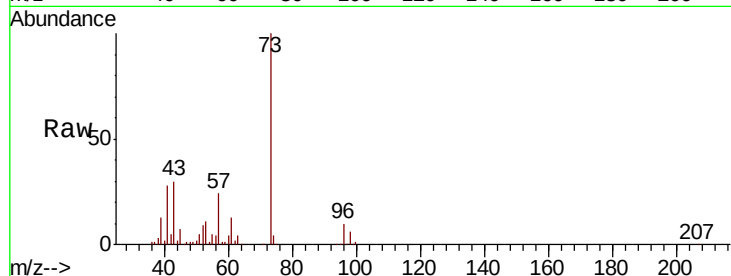
#19

Methyl tert-butyl Ether
 Concen: 61.34 ug/l
 RT: 4.10 min Scan# 394
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

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

Tot Ion: 73 Resp: 1122098

Ion	Ratio	Lower	Upper
73	100		
57	23.6	17.9	26.9

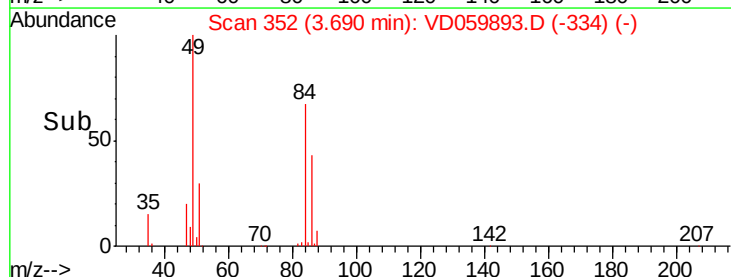
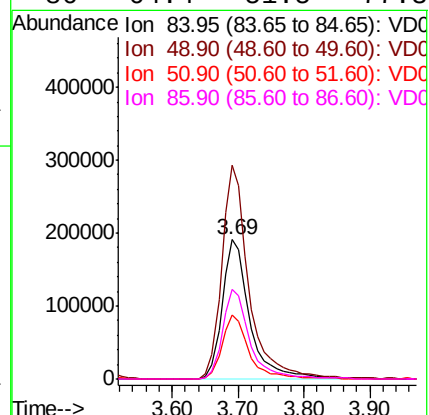
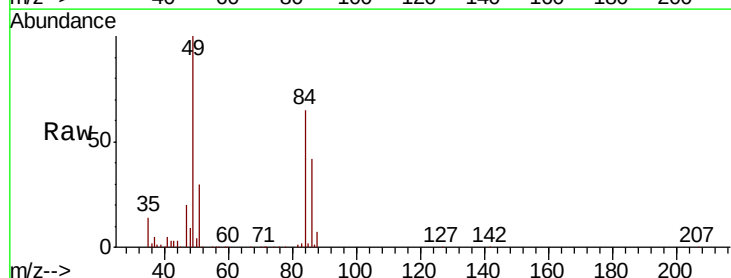


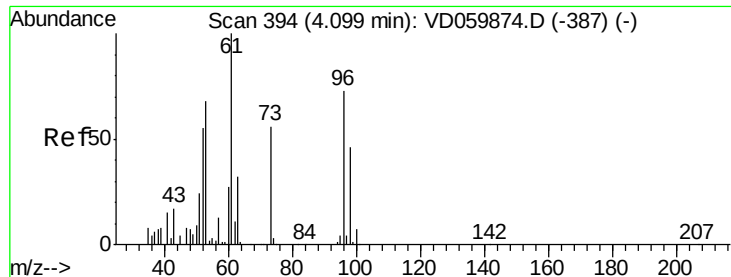
#20

Methylene Chloride
 Concen: 58.96 ug/l
 RT: 3.69 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 84 Resp: 551667

Ion	Ratio	Lower	Upper
84	100		
49	153.6	122.6	183.8
51	46.4	38.4	57.6
86	64.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 47.19 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

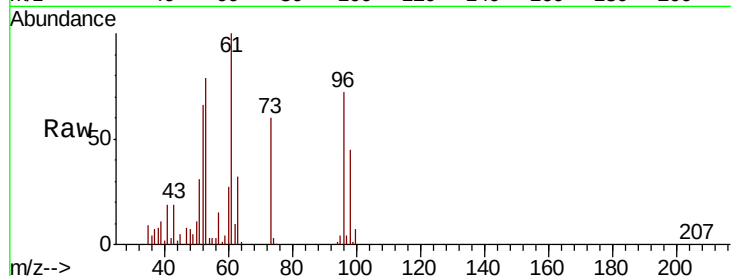
Tot Ion: 96 Resp: 420479

Ion Ratio Lower Upper

96 100

61 139.3 110.2 165.4

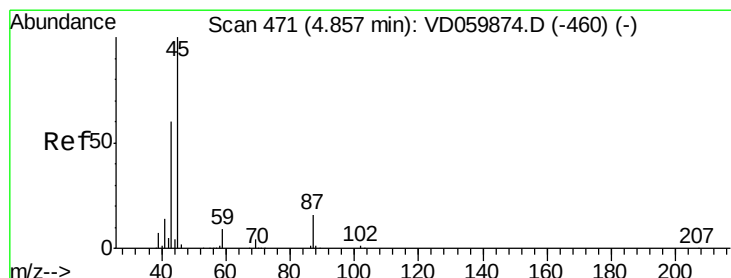
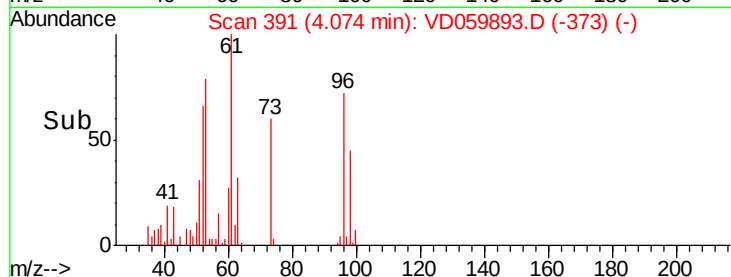
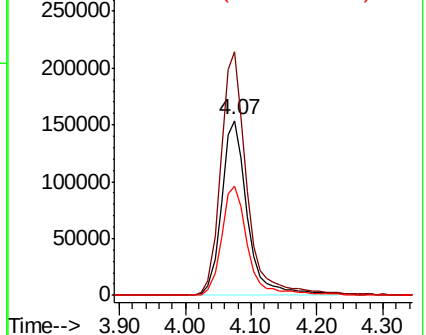
98 62.8 50.9 76.3



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: 60.26 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Tgt Ion: 45 Resp: 2248201

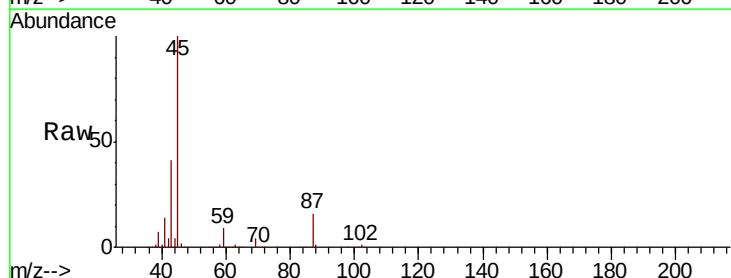
Ion Ratio Lower Upper

45 100

43 40.9 48.6 72.8#

87 15.7 13.3 19.9

59 8.9 7.1 10.7

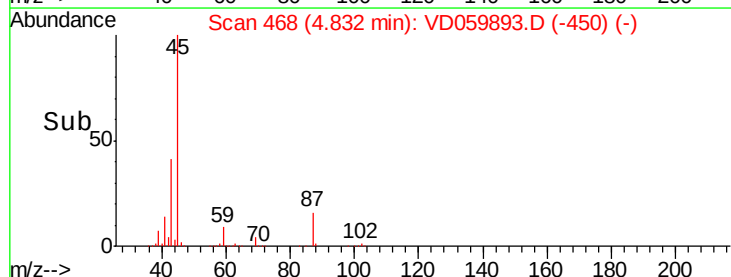
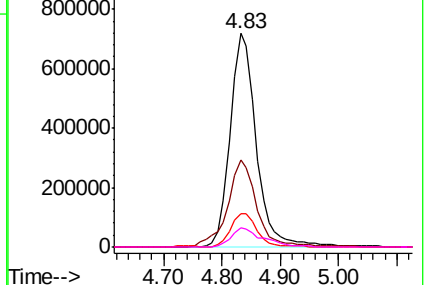


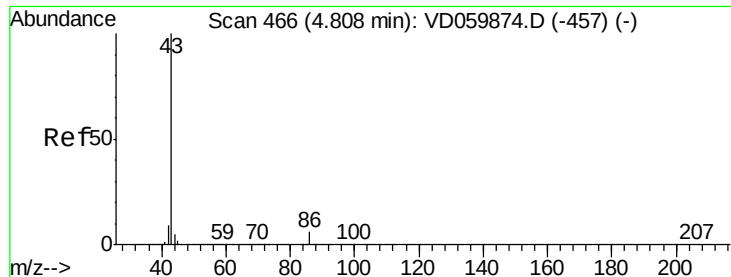
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 47.79 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

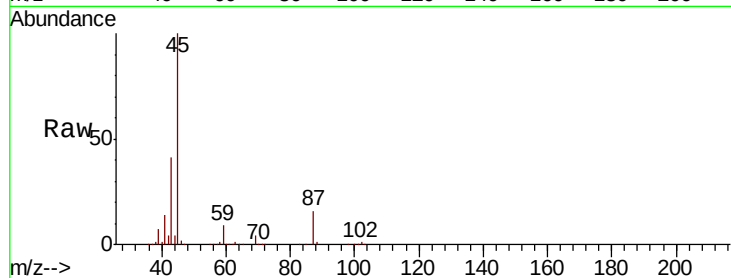
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 996707

Ion Ratio Lower Upper

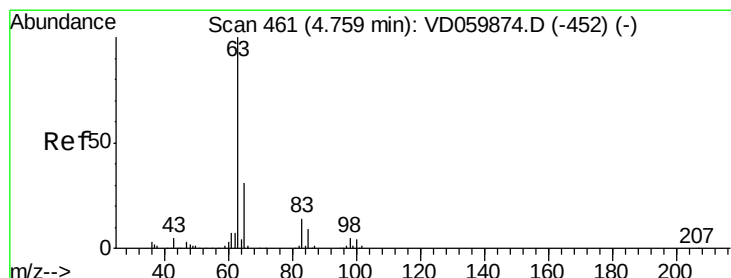
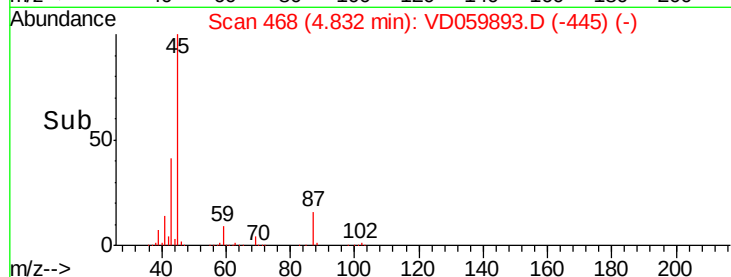
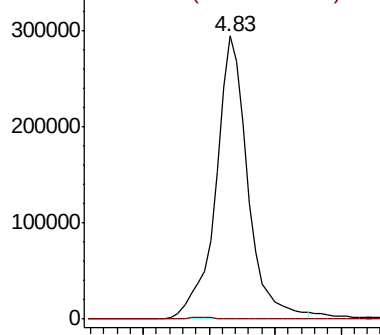
43 100

86 0.0 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: 57.21 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

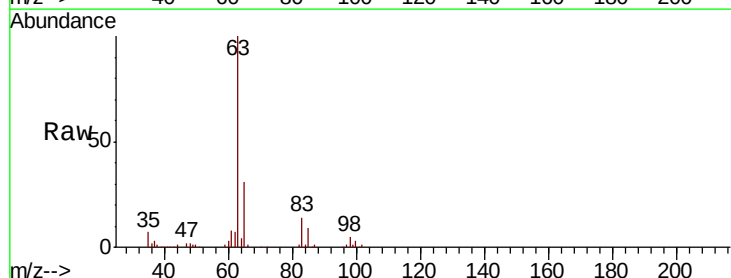
Tgt Ion: 63 Resp: 922096

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

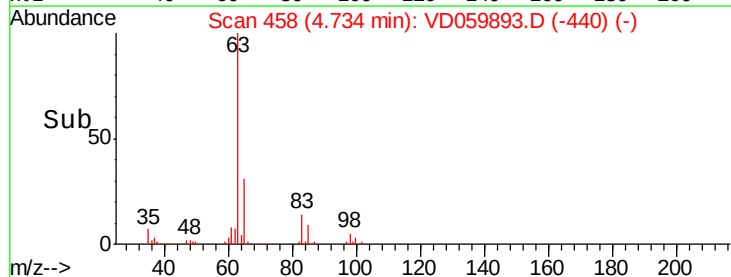
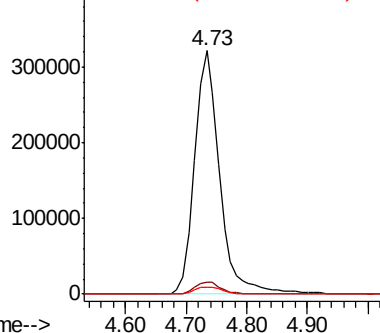
100 3.0 1.8 5.3

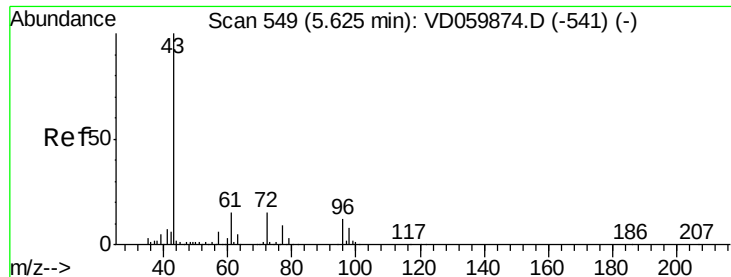


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

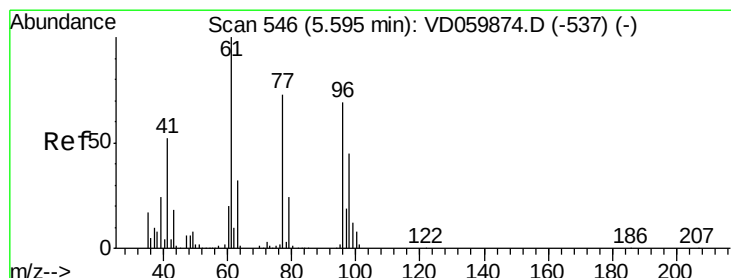
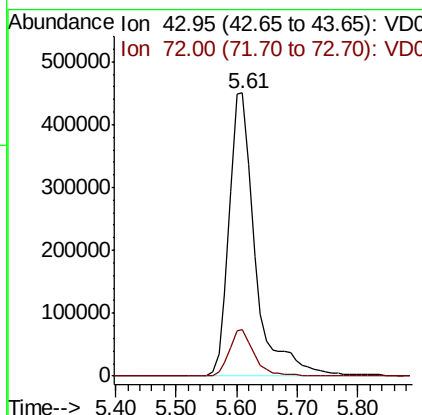
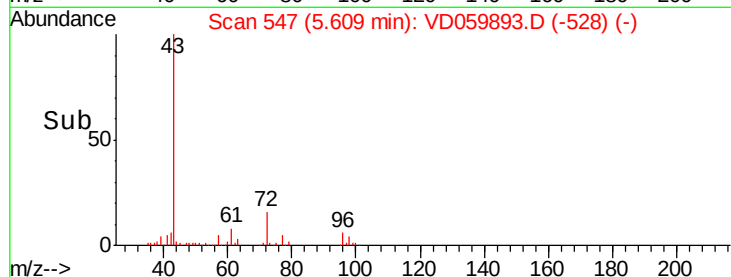
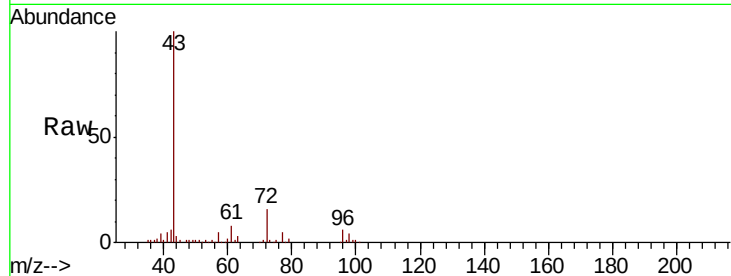




#25
2-Butanone
Concen: 321.89 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

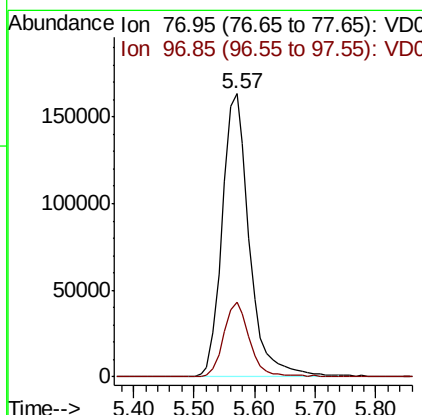
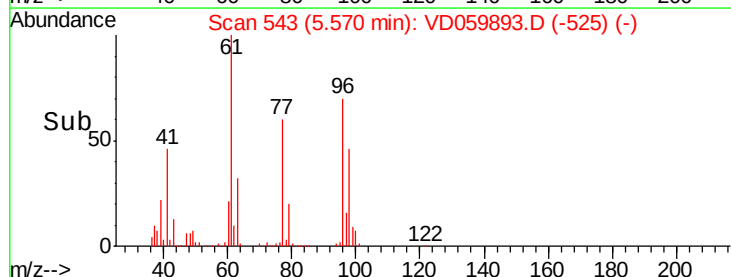
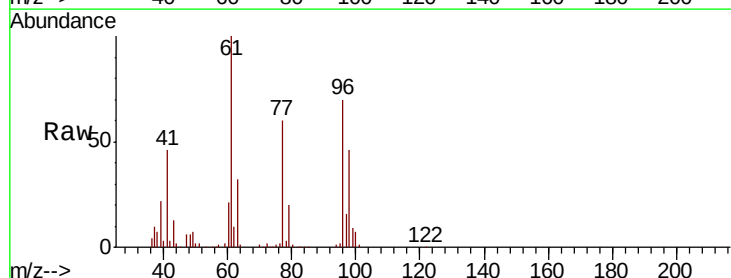
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

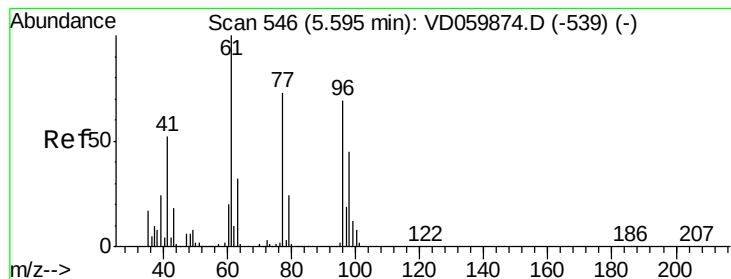
Tot Ion: 43 Resp: 1351720
Ion Ratio Lower Upper
43 100
72 16.3 12.3 18.5



#26
2,2-Dichloropropane
Concen: 37.85 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.03 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 77 Resp: 509939
Ion Ratio Lower Upper
77 100
97 26.2 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 51.70 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

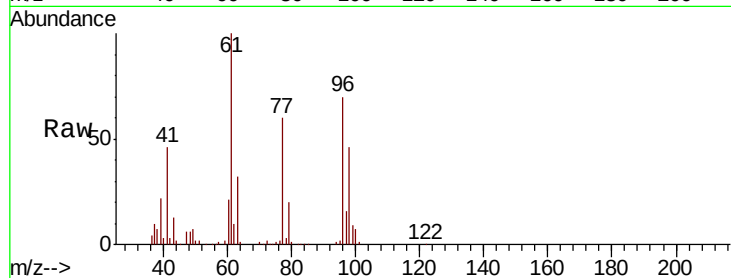
Tot Ion: 96 Resp: 504378

Ion Ratio Lower Upper

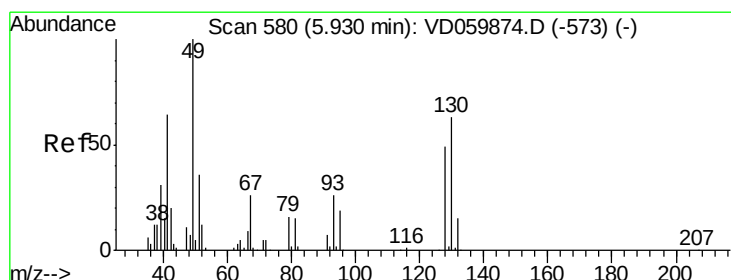
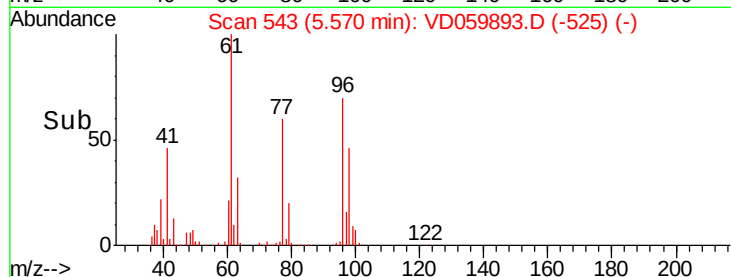
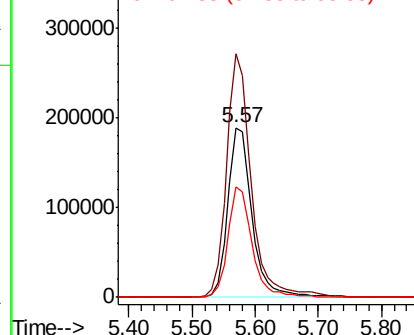
96 100

61 143.7 0.0 290.2

98 65.4 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: 54.66 ug/l

RT: 5.90 min Scan# 577

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

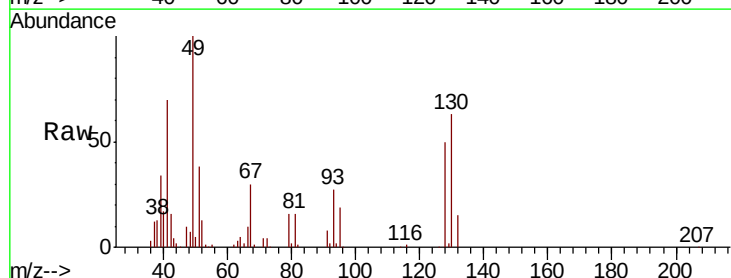
Tgt Ion: 49 Resp: 422240

Ion Ratio Lower Upper

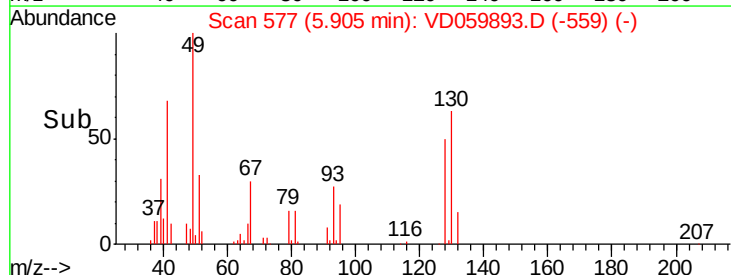
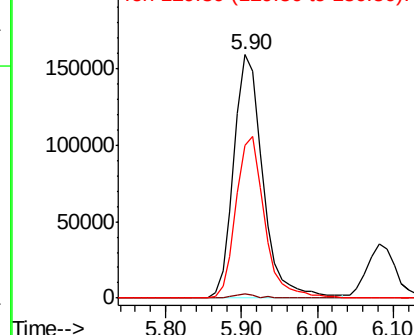
49 100

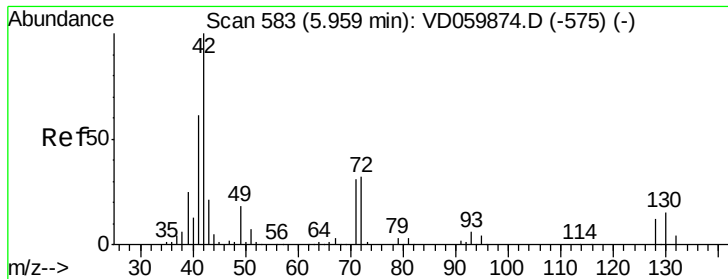
129 1.7 0.0 3.2

130 62.8 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

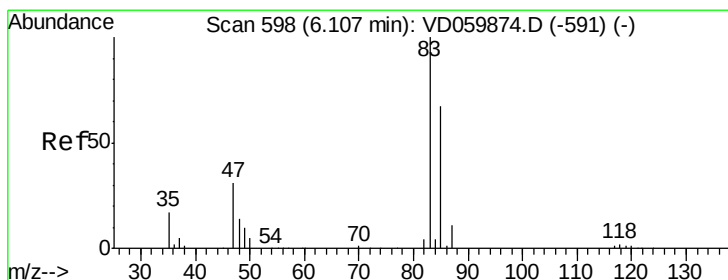
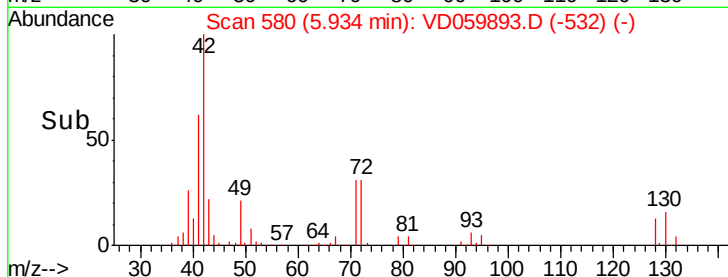
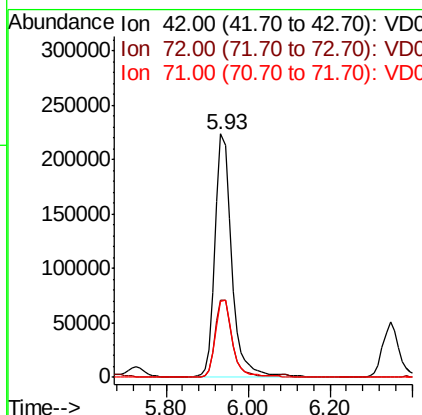
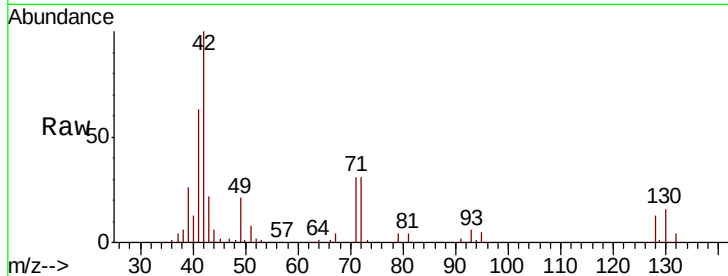




#29
Tetrahydrofuran
Concen: 314.45 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

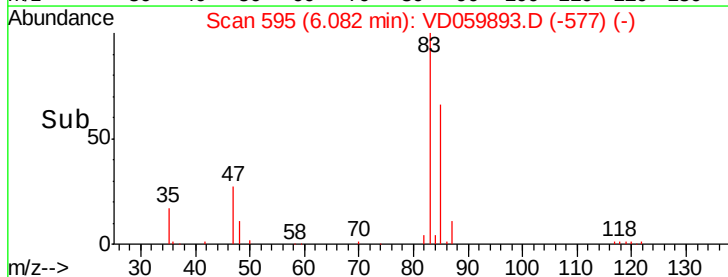
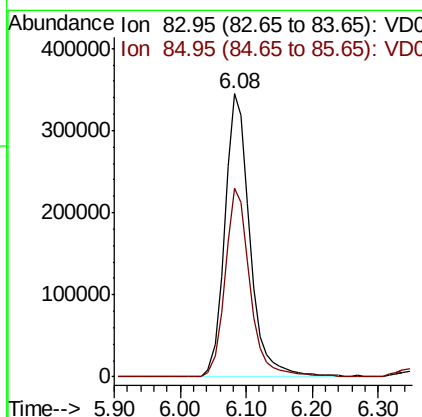
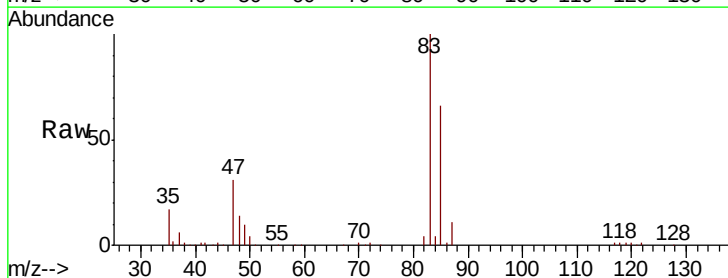
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

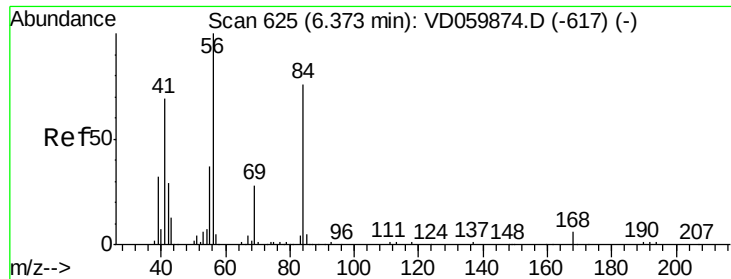
Tot Ion	Ratio	Lower	Upper
42	100		
72	32.1	25.7	38.5
71	32.2	25.3	37.9



#30
Chloroform
Concen: 55.98 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.5	80.3

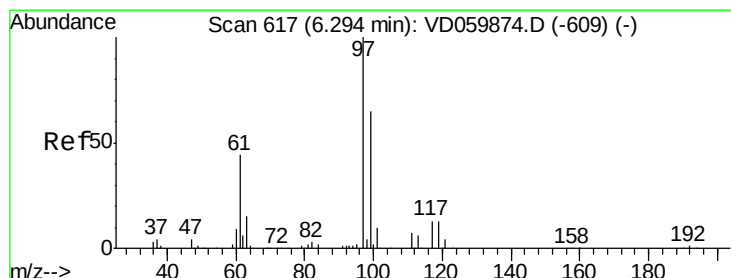
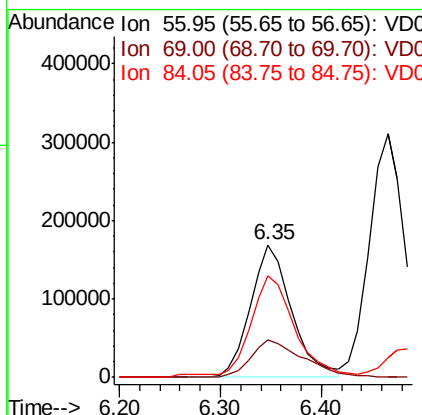
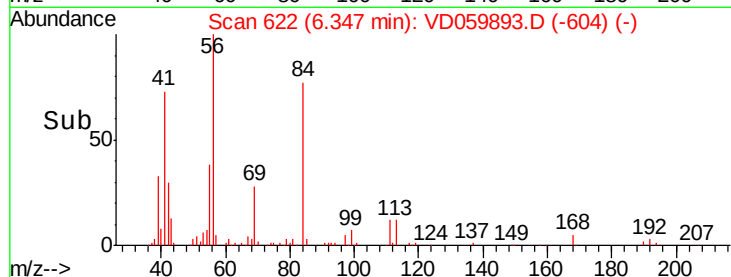
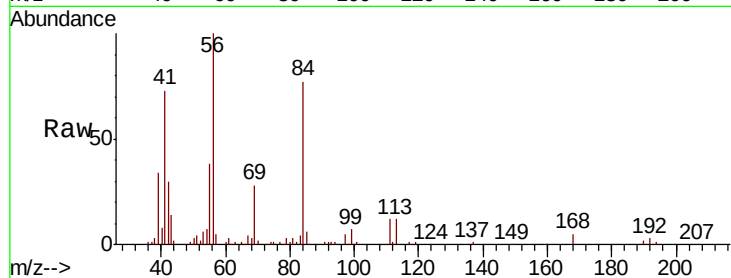




#31
Cyclohexane
Concen: 32.27 ug/l
RT: 6.35 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

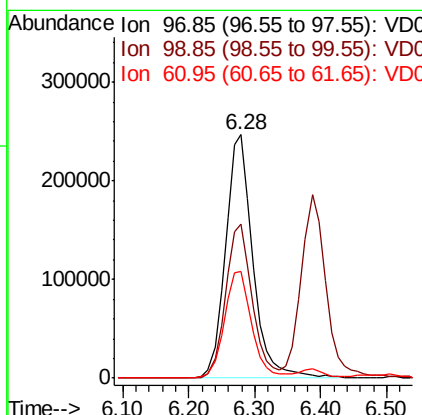
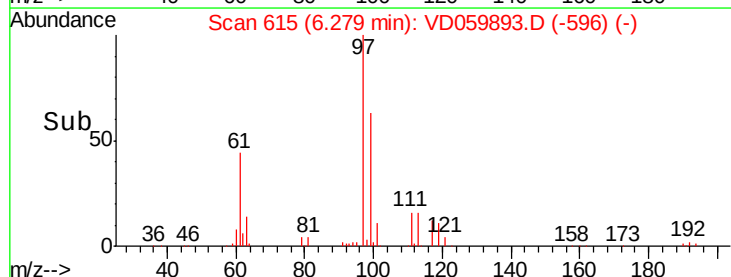
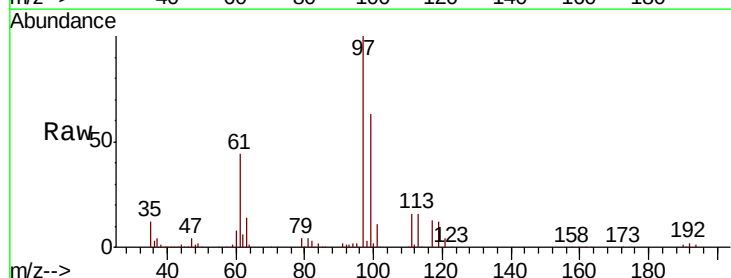
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

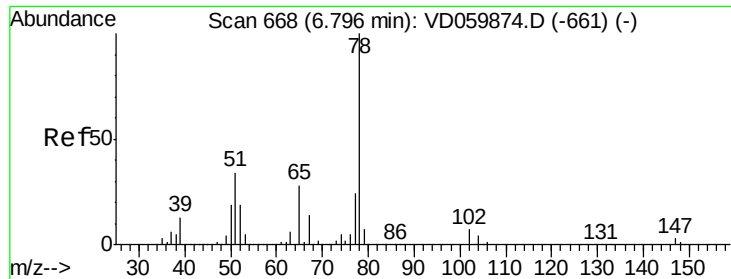
Tot Ion: 56 Resp: 478235
Ion Ratio Lower Upper
56 100
69 28.4 22.4 33.6
84 77.0 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 51.36 ug/l
RT: 6.28 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 97 Resp: 713977
Ion Ratio Lower Upper
97 100
99 63.1 51.7 77.5
61 43.6 35.4 53.2

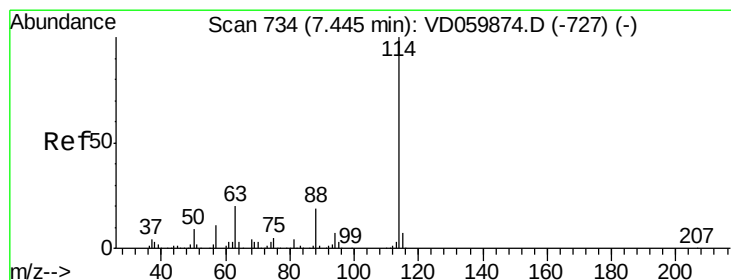
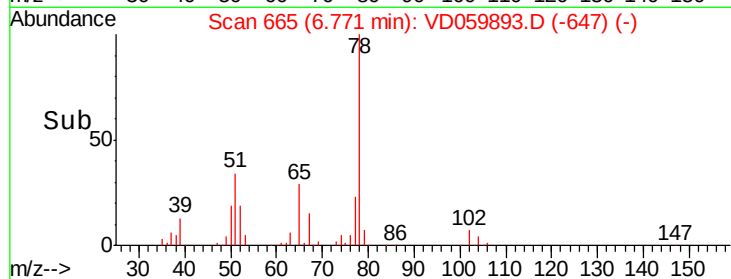
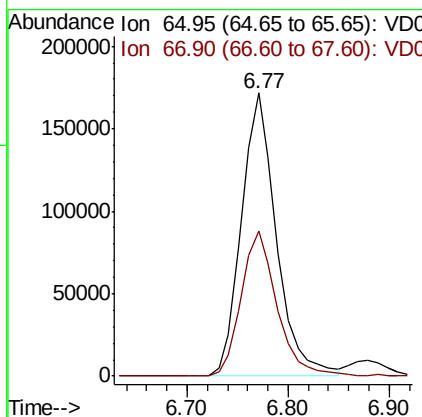
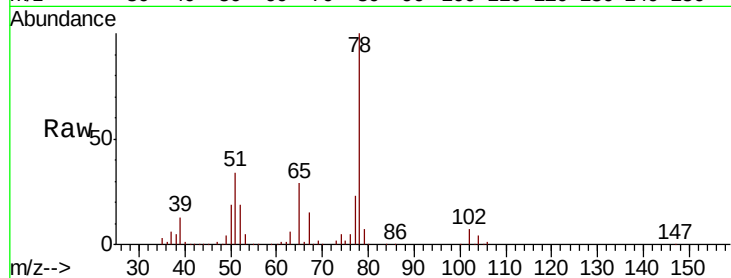




#33
 1,2-Dichloroethane-d4
 Concen: 51.36 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

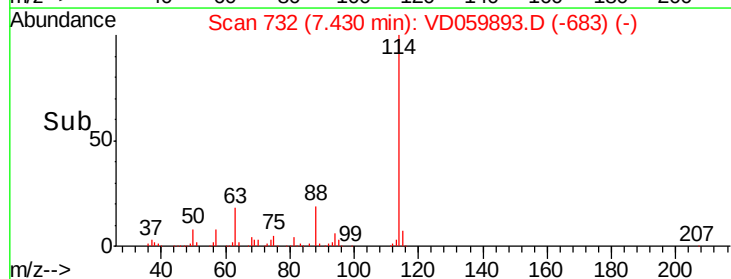
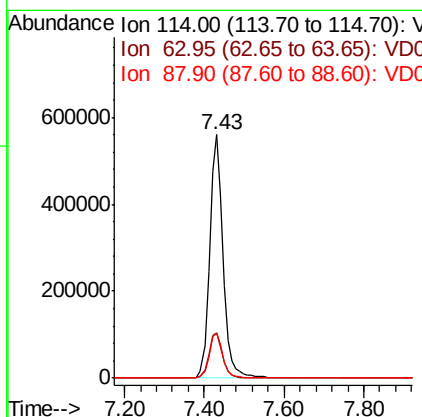
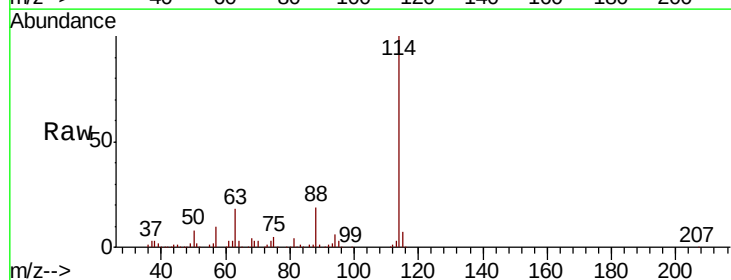
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

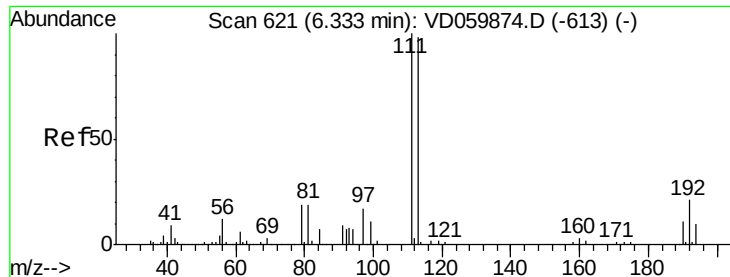
Tot Ion: 65 Resp: 413738
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 114 Resp: 1308273
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 39.4
 88 18.7 0.0 37.6

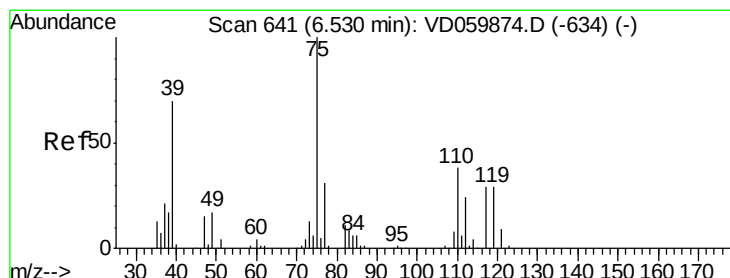
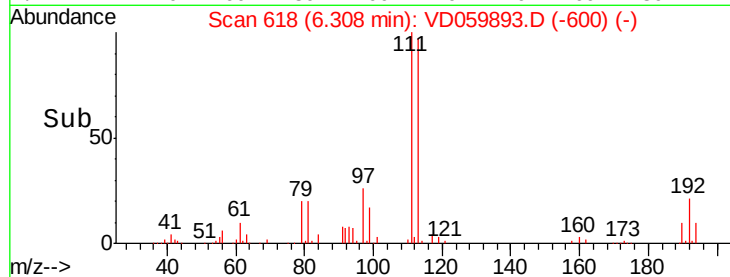
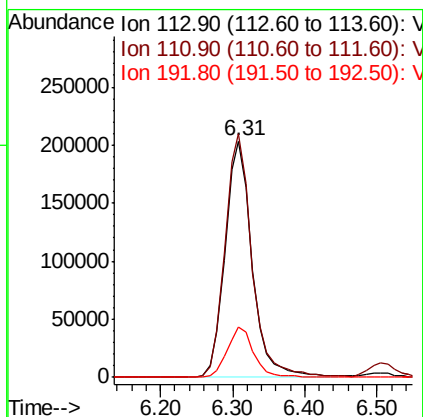
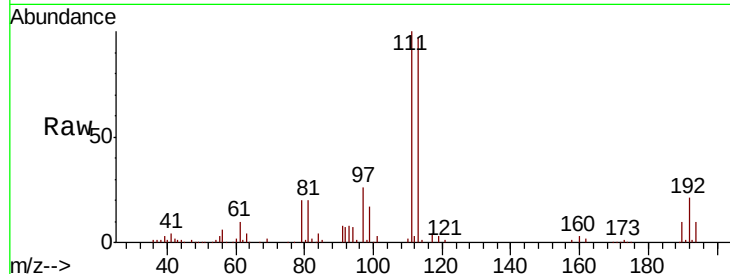




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.31 min Scan# 618
 Delta R.T. -0.03 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

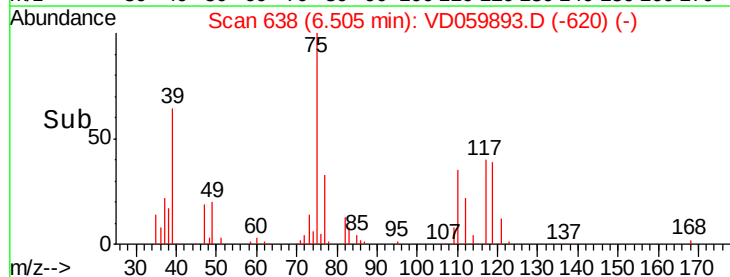
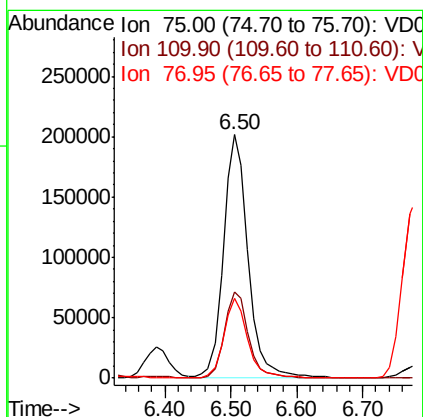
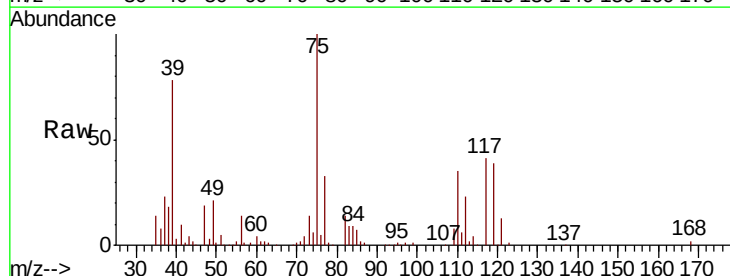
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

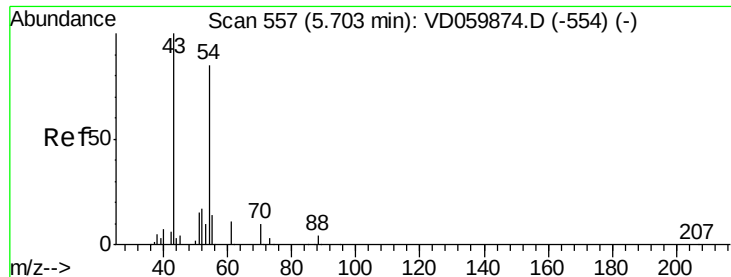
Tot Ion:113 Resp: 528322
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.4 122.2
 192 21.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 43.77 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 75 Resp: 519064
 Ion Ratio Lower Upper
 75 100
 110 35.4 18.6 56.0
 77 32.9 25.1 37.7

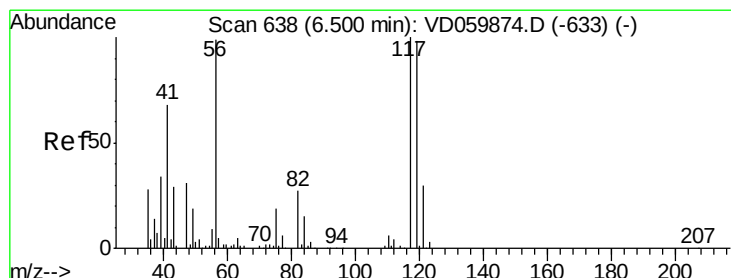
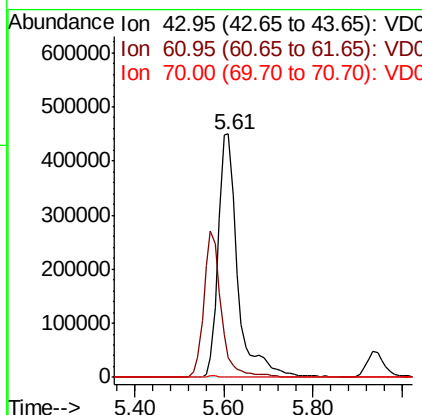
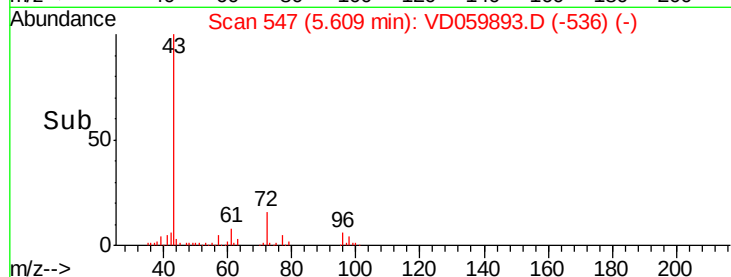
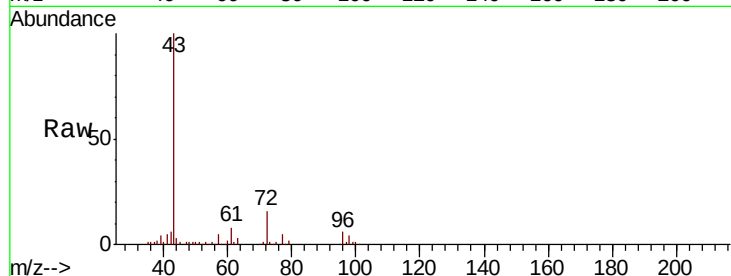




#37
Ethyl Acetate
Concen: 147.57 ug/l
RT: 5.61 min Scan# 547
Delta R.T. -0.09 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

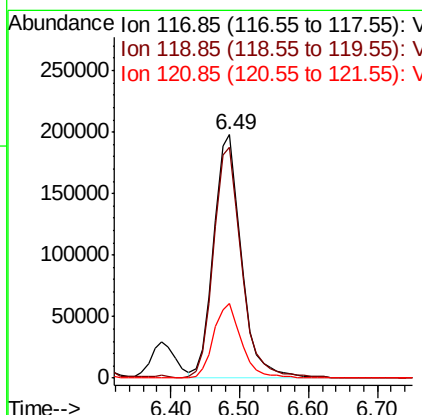
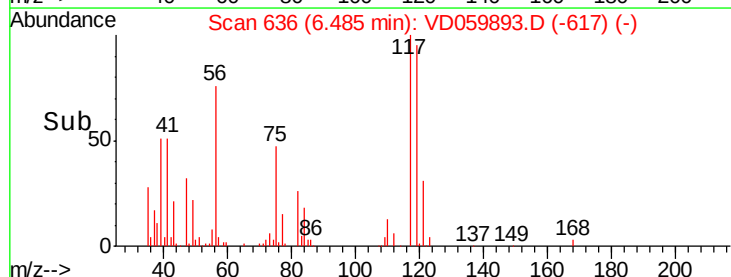
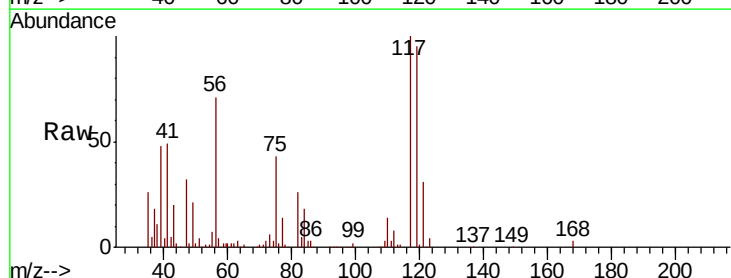
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

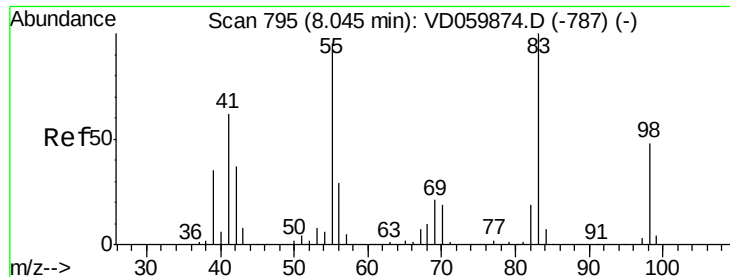
Tot Ion: 43 Resp: 1361822
Ion Ratio Lower Upper
43 100
61 8.2 11.0 16.6#
70 0.1 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 45.60 ug/l
RT: 6.49 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 117 Resp: 545713
Ion Ratio Lower Upper
117 100
119 94.9 77.2 115.8
121 30.8 24.0 36.0

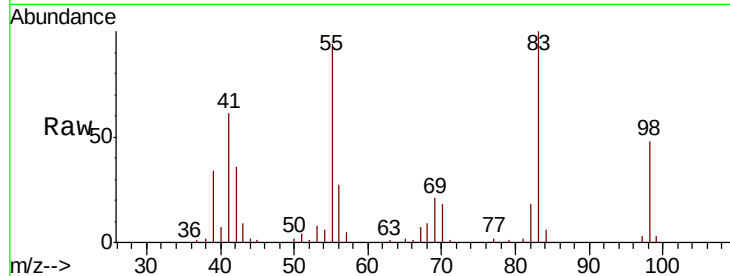




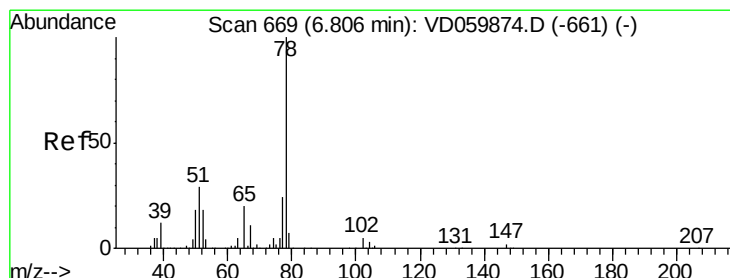
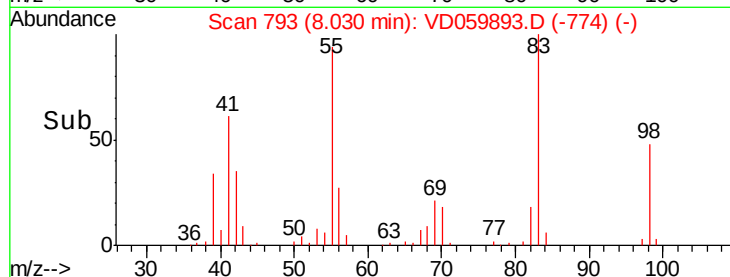
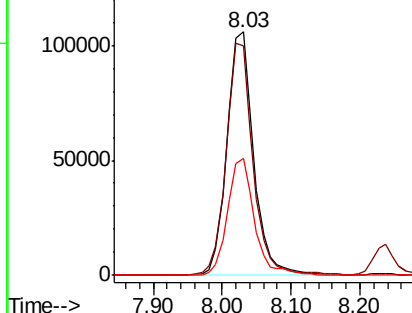
#39
Methylvlcyclohexane
Concen: 22.15 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

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

Tot Ion: 83 Resp: 283817
Ion Ratio Lower Upper
83 100
55 94.4 75.8 113.6
98 48.3 38.3 57.5

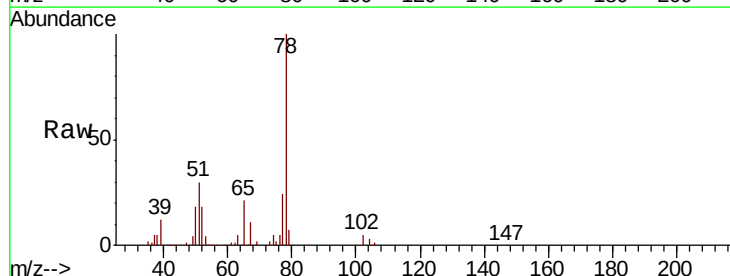


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

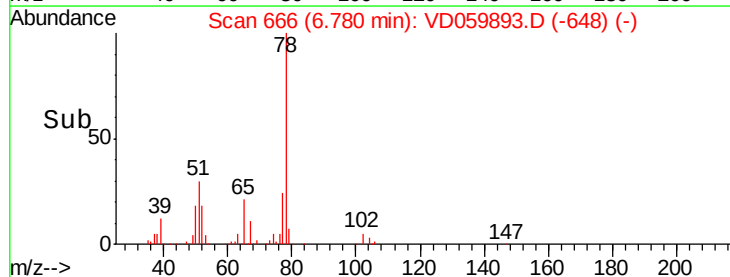
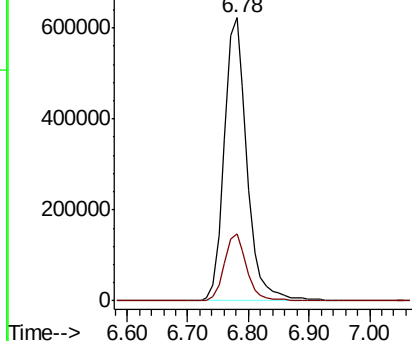


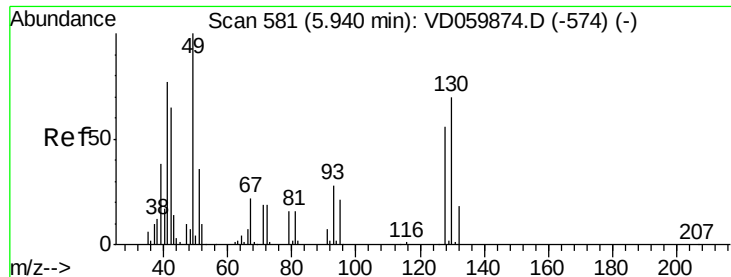
#40
Benzene
Concen: 52.34 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 78 Resp: 1614079
Ion Ratio Lower Upper
78 100
77 23.7 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: 132.65 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 41 Resp: 616658

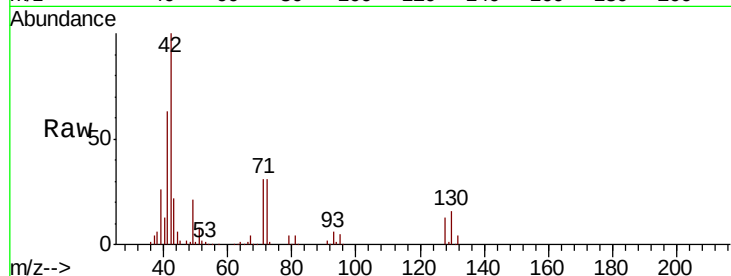
Ion Ratio Lower Upper

41 100

39 41.8 39.4 59.2

67 6.8 22.2 33.2#

52 3.2 10.1 15.1#

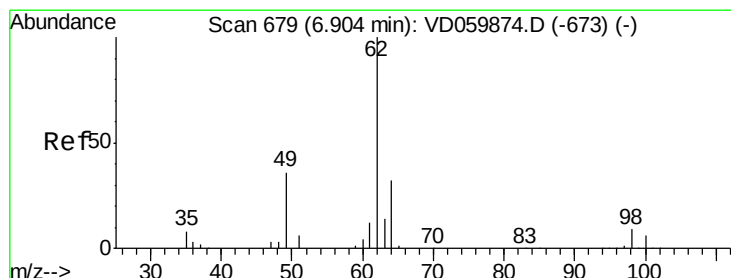
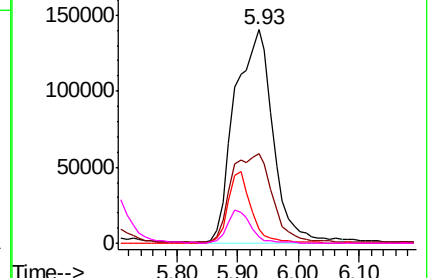
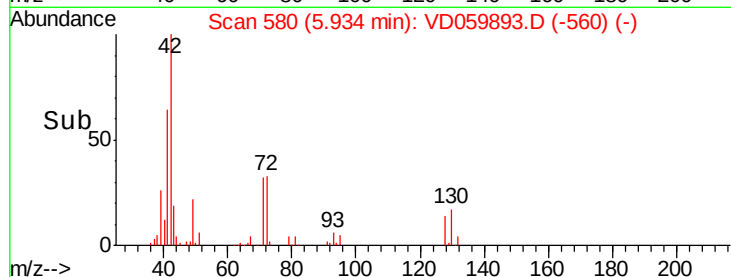


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 54.34 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059893.D

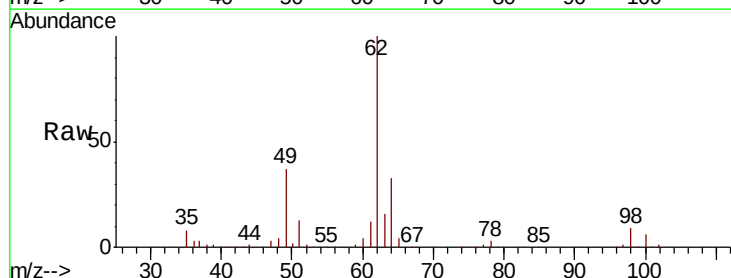
Acq: 23 Aug 2018 17:33

Tgt Ion: 62 Resp: 537928

Ion Ratio Lower Upper

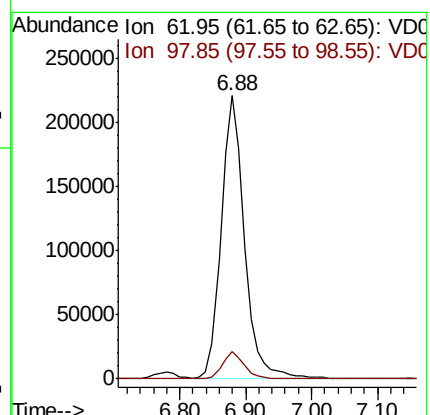
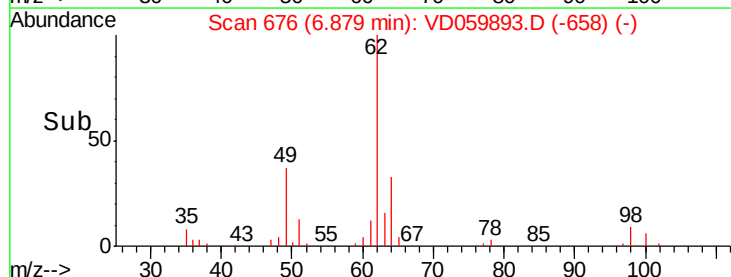
62 100

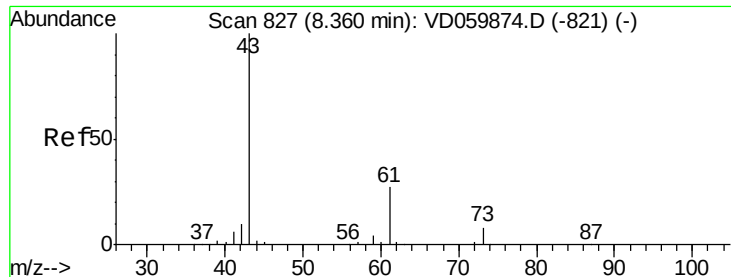
98 9.5 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 6.33 ug/l

RT: 8.34 min Scan# 824

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

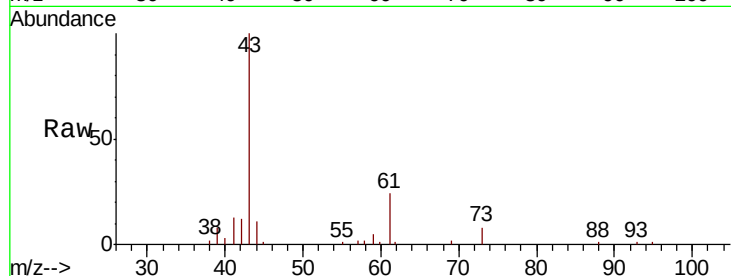
Tot Ion: 43 Resp: 75979

Ion Ratio Lower Upper

43 100

61 24.2 21.4 32.2

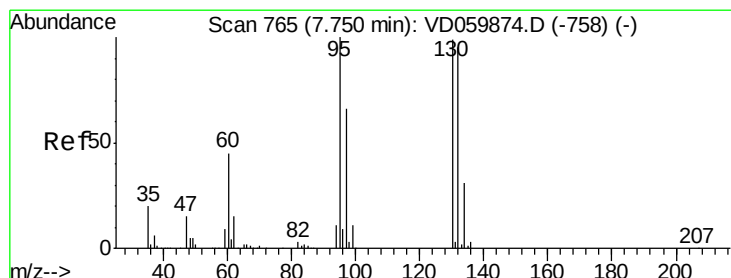
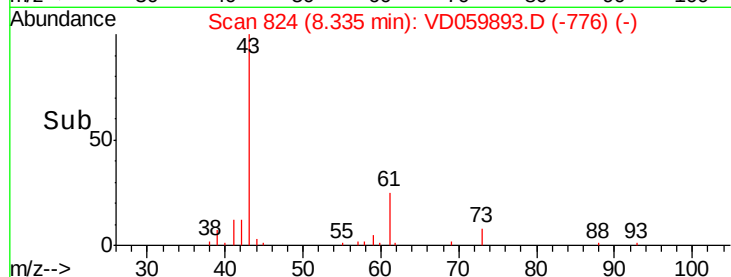
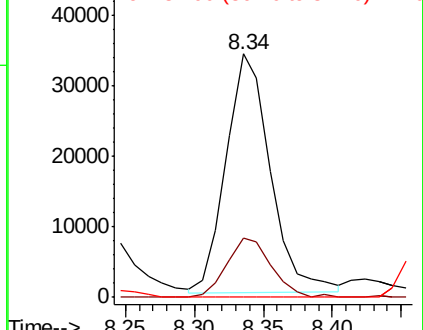
87 0.0 0.2 0.4#



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: 46.67 ug/l

RT: 7.73 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD059893.D

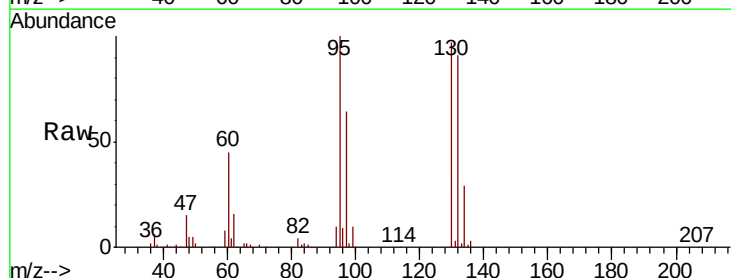
Acq: 23 Aug 2018 17:33

Tgt Ion:130 Resp: 423731

Ion Ratio Lower Upper

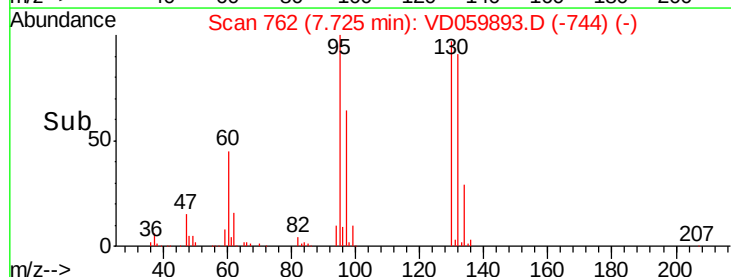
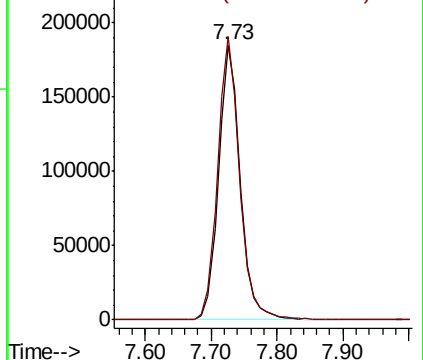
130 100

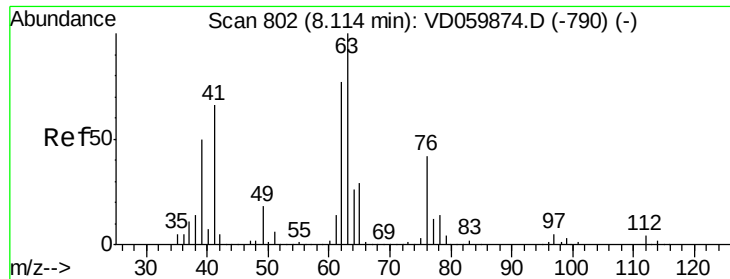
95 103.1 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

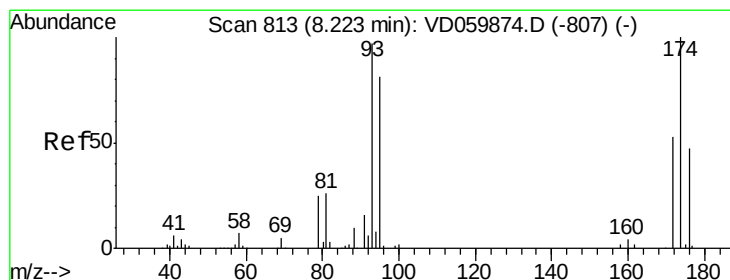
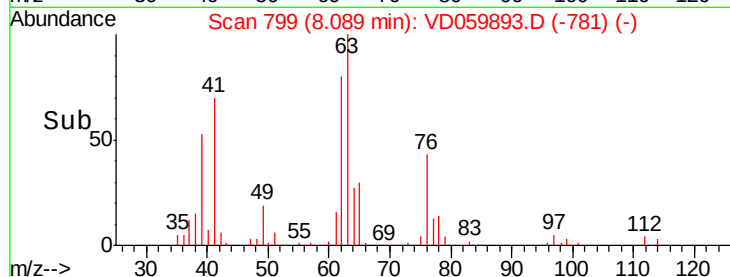
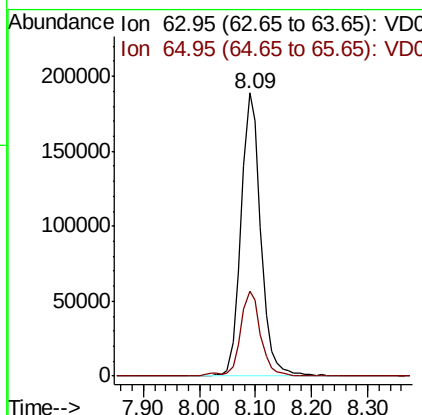
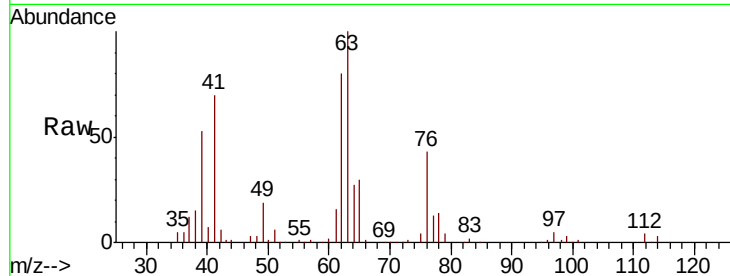




#45
 1,2-Dichloropropane
 Concen: 53.50 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

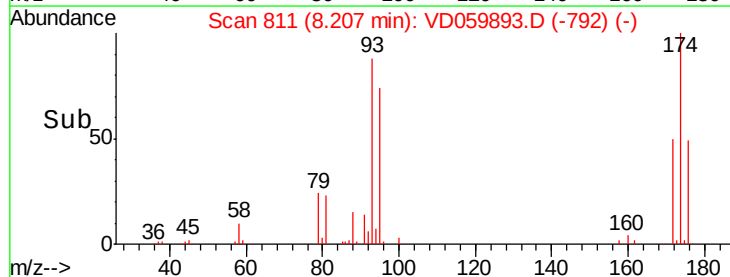
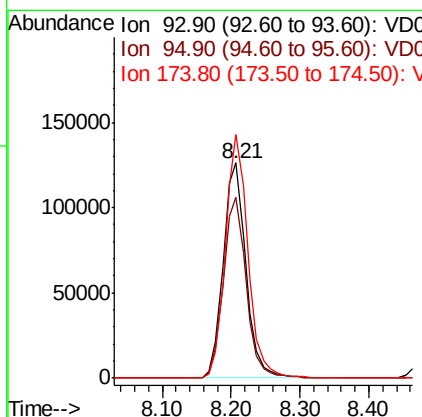
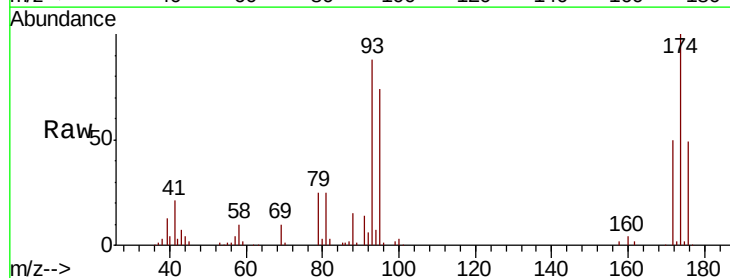
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

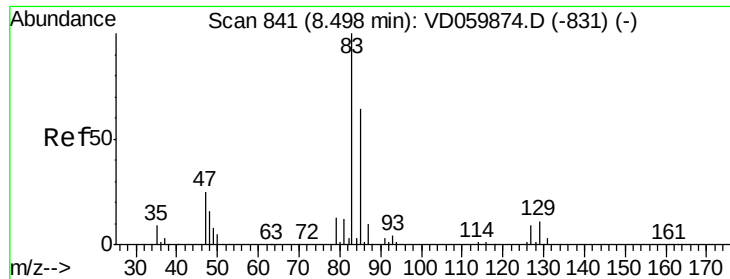
Tot Ion: 63 Resp: 461106
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.5 35.3



#46
 Dibromomethane
 Concen: 51.96 ug/l
 RT: 8.21 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 93 Resp: 287979
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.6 100.0
 174 113.1 82.4 123.6





#47

Bromodichloromethane

Concen: 52.80 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

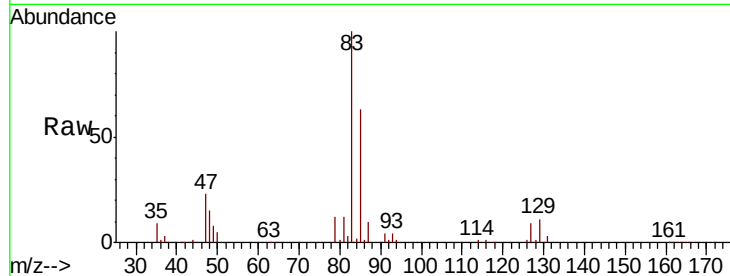
Tot Ion: 83 Resp: 662434

Ion Ratio Lower Upper

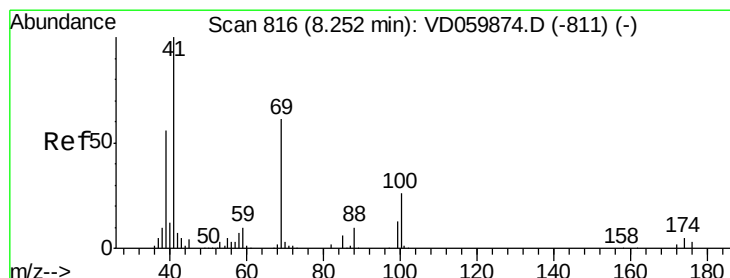
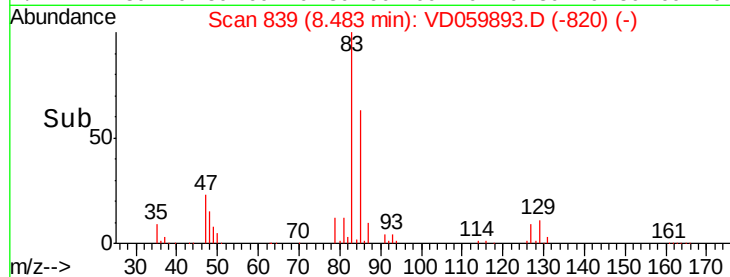
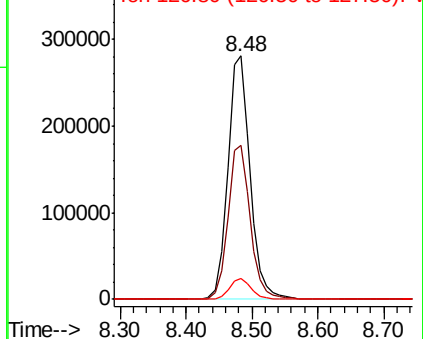
83 100

85 63.5 51.3 76.9

127 8.8 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: 71.14 ug/l

RT: 8.24 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

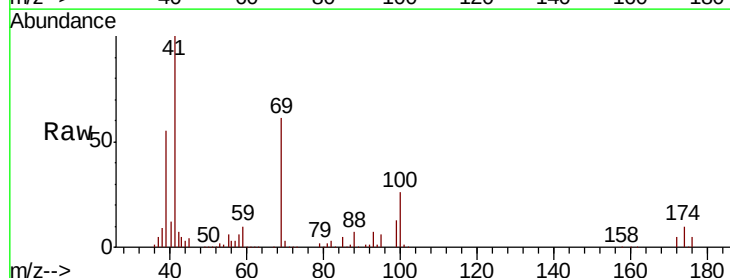
Tgt Ion: 41 Resp: 497919

Ion Ratio Lower Upper

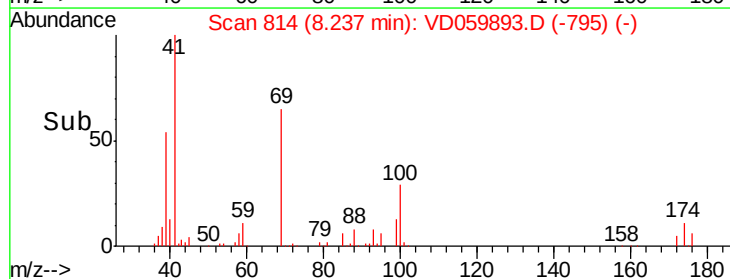
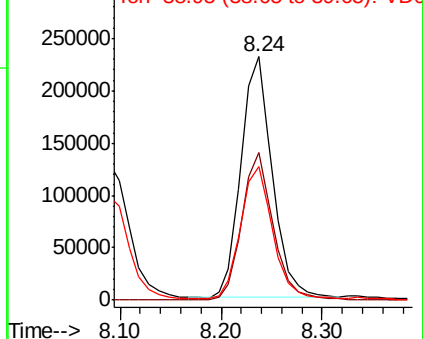
41 100

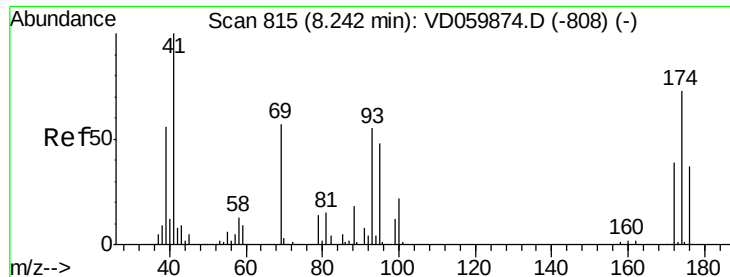
69 60.7 48.0 72.0

39 55.0 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: 1269.68 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

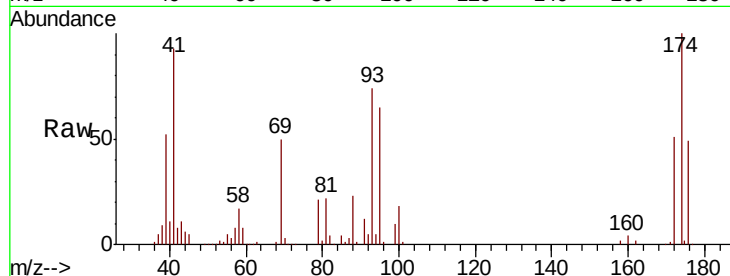
Tot Ion: 88 Resp: 79335

Ion Ratio Lower Upper

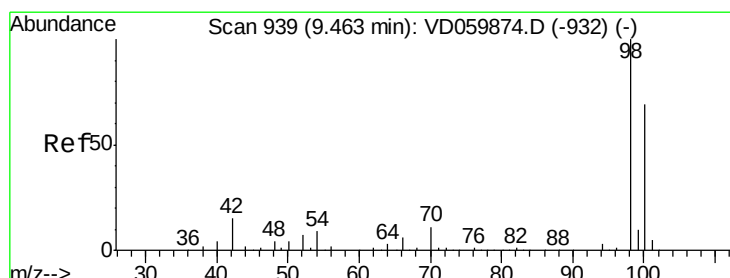
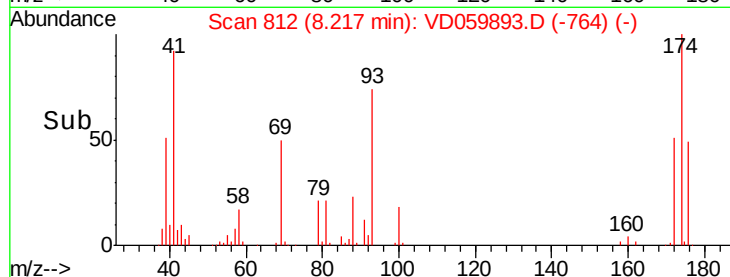
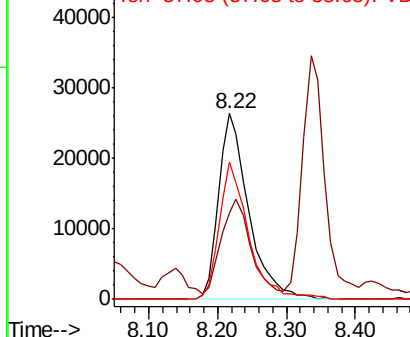
88 100

43 46.3 45.0 67.6

58 74.0 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: 1269.68 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059893.D

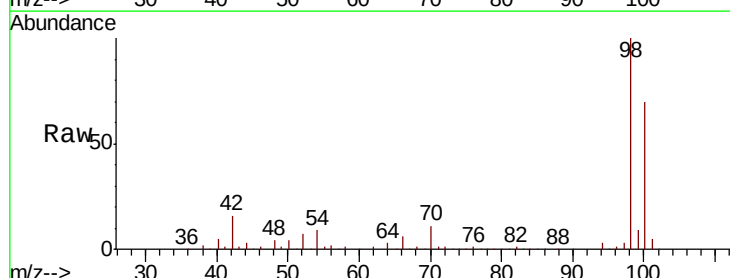
Acq: 23 Aug 2018 17:33

Tgt Ion: 98 Resp: 1258198

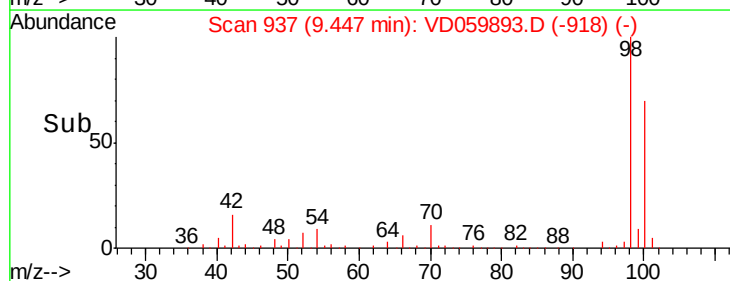
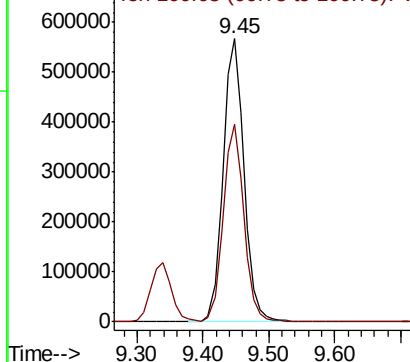
Ion Ratio Lower Upper

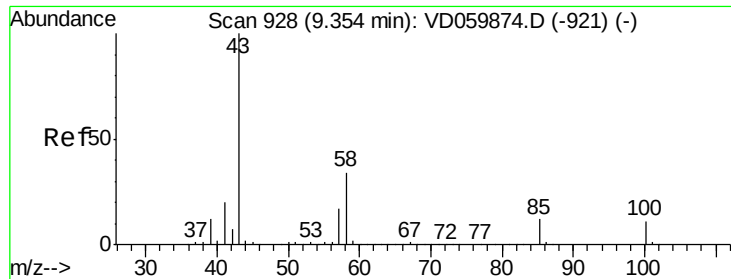
98 100

100 69.8 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: 304.64 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

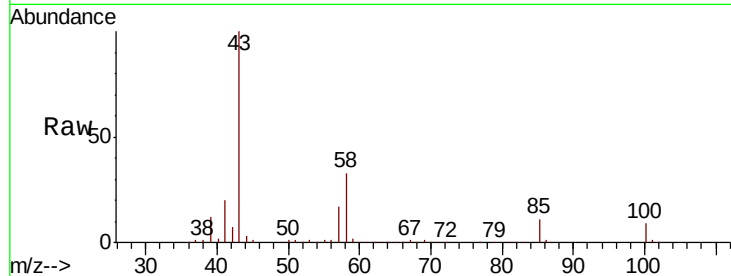
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 2726800

Ion Ratio Lower Upper

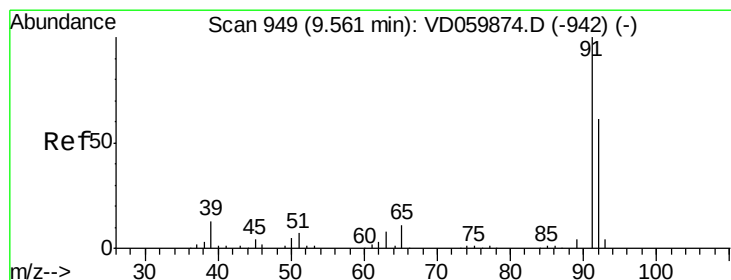
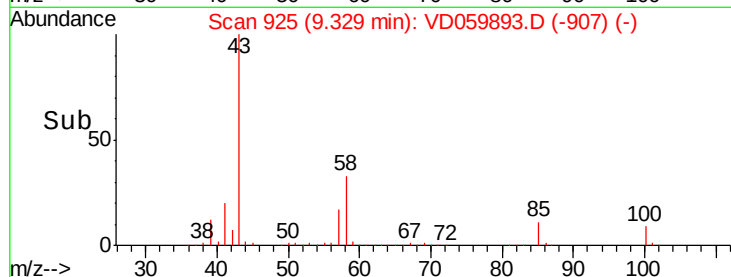
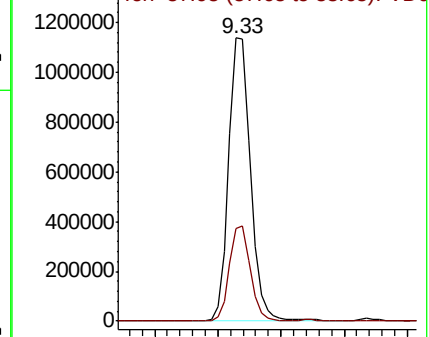
43 100

58 32.7 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: 46.24 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059893.D

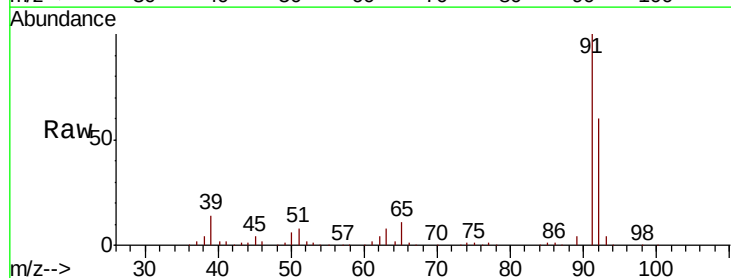
Acq: 23 Aug 2018 17:33

Tgt Ion: 92 Resp: 914350

Ion Ratio Lower Upper

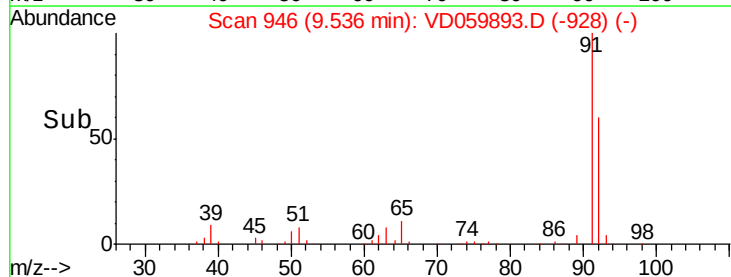
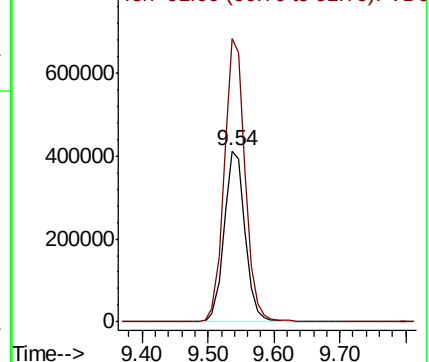
92 100

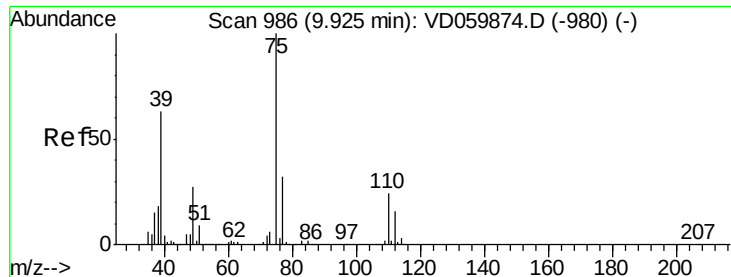
91 165.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

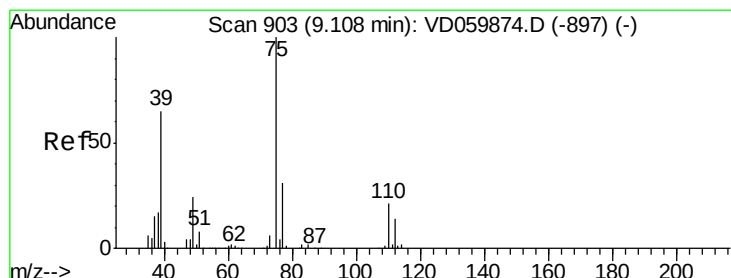
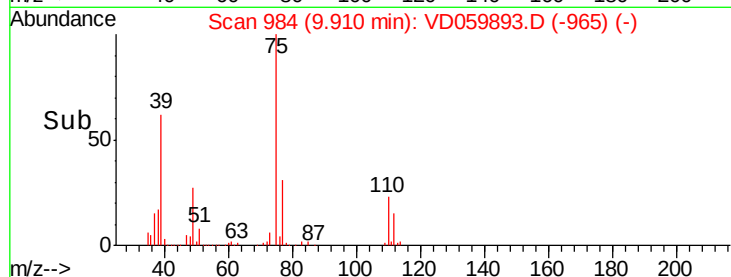
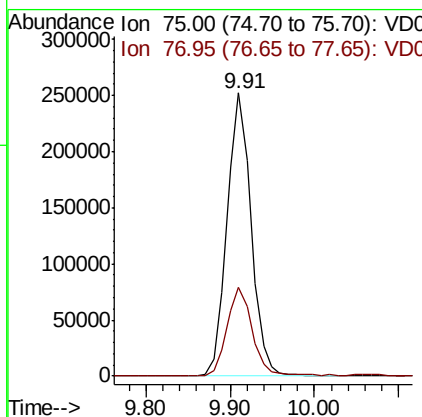
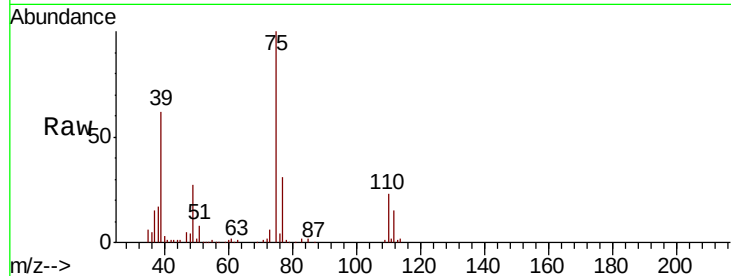




#53
 t-1,3-Dichloropropene
 Concen: 43.21 ug/l
 RT: 9.91 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

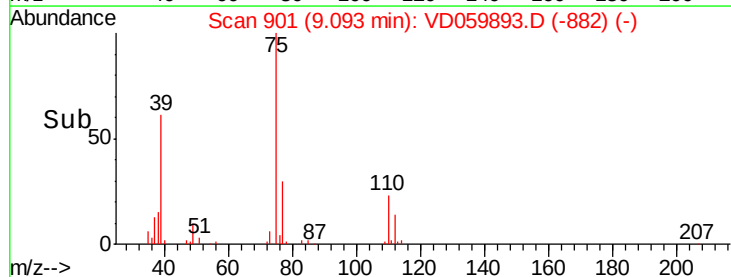
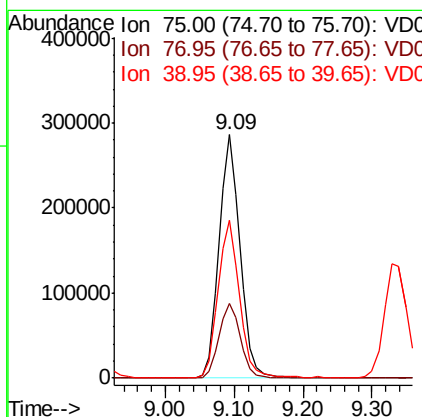
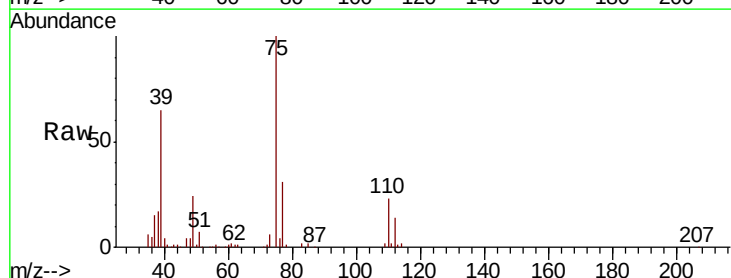
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

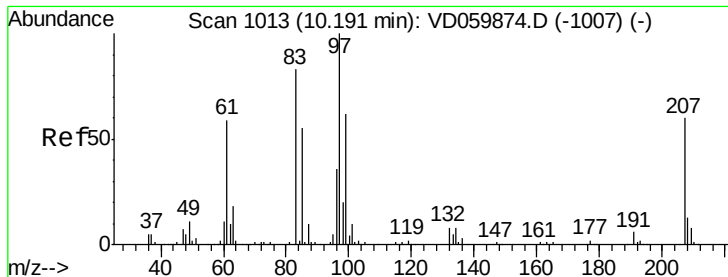
Tot Ion: 75 Resp: 501453
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 44.96 ug/l
 RT: 9.09 min Scan# 901
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 75 Resp: 604908
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.8 37.2
 39 64.8 52.1 78.1

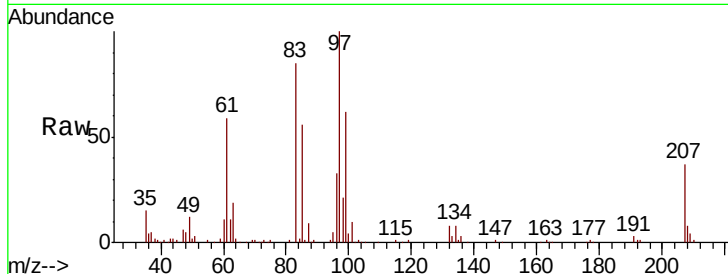




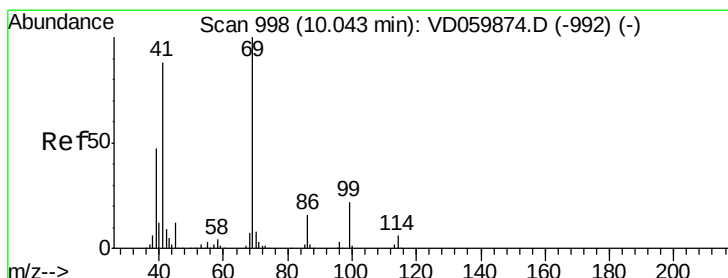
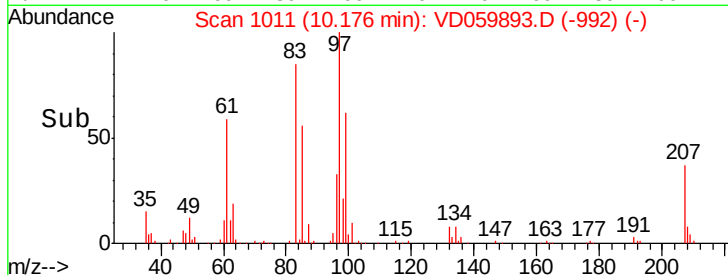
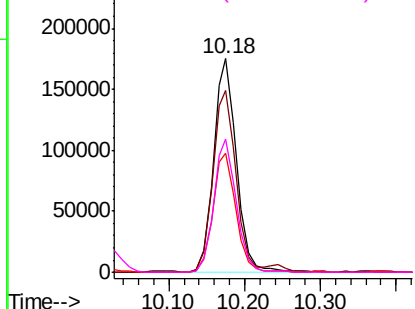
#55
 1,1,2-Trichloroethane
 Concen: 51.21 ug/l
 RT: 10.18 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

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

Tot Ion: 97 Resp: 370128
 Ion Ratio Lower Upper
 97 100
 83 85.2 66.7 100.1
 85 55.9 43.8 65.6
 99 62.2 49.8 74.6

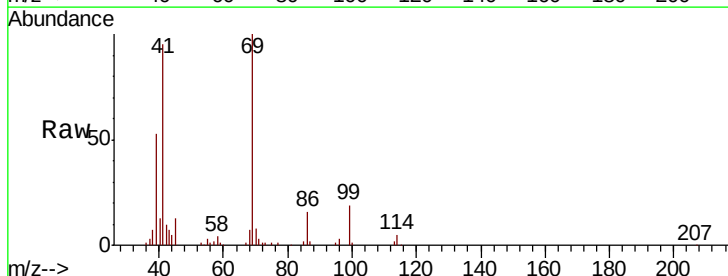


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

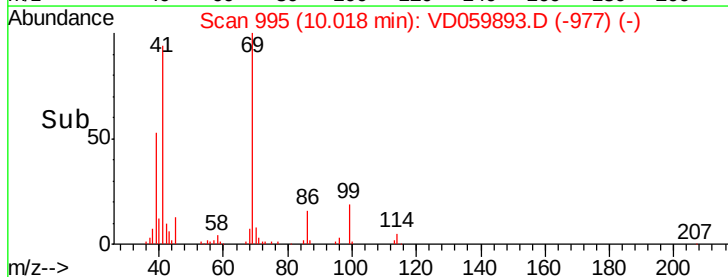
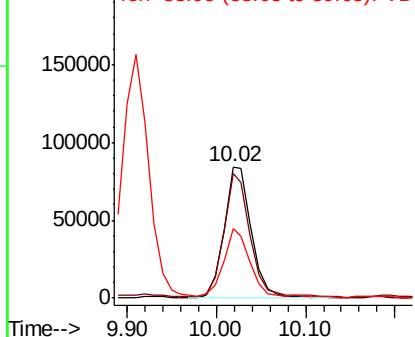


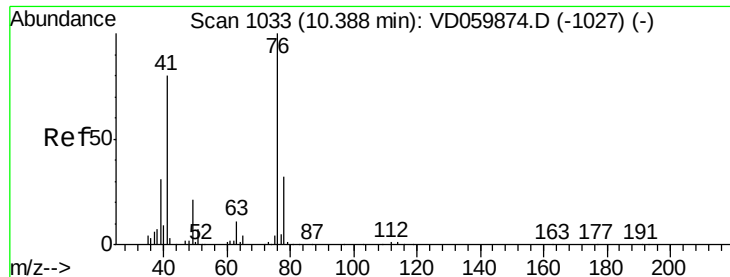
#56
 Ethyl methacrylate
 Concen: 21.73 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 69 Resp: 181289
 Ion Ratio Lower Upper
 69 100
 41 95.0 71.0 106.4
 39 53.4 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: 52.82 ug/l

RT: 10.37 min Scan# 1031

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

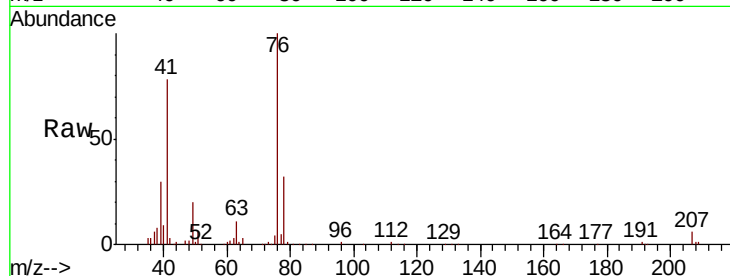
RA-081718-WSW-20-053

Tot Ion: 76 Resp: 552595

Ion Ratio Lower Upper

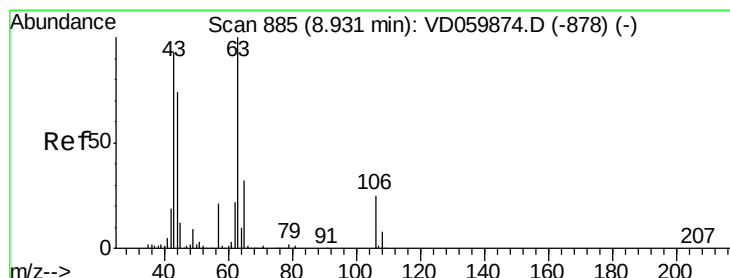
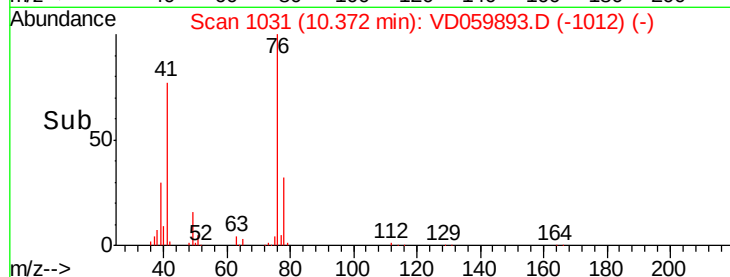
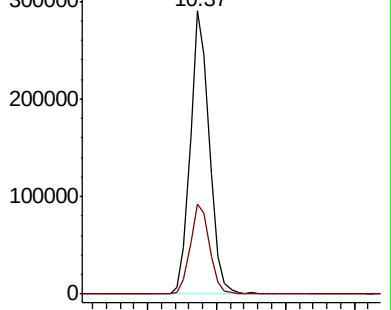
76 100

78 31.6 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: 256.19 ug/l

RT: 8.92 min Scan# 883

Delta R.T. -0.02 min

Lab File: VD059893.D

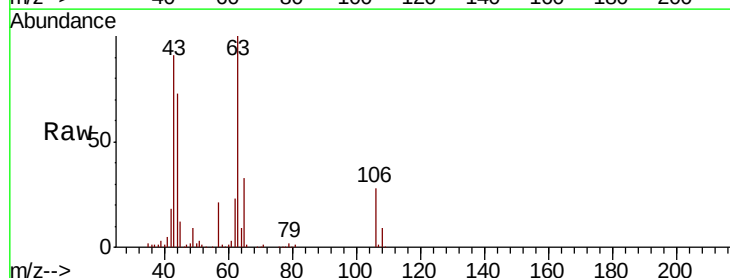
Acq: 23 Aug 2018 17:33

Tgt Ion: 63 Resp: 1025214

Ion Ratio Lower Upper

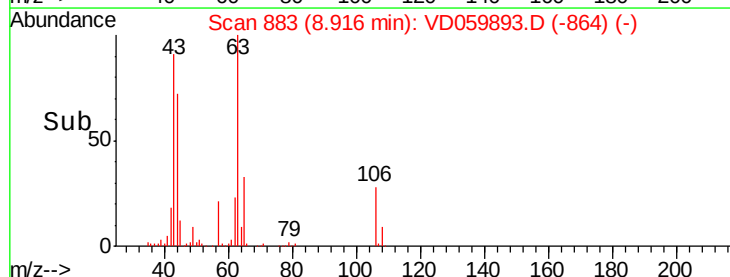
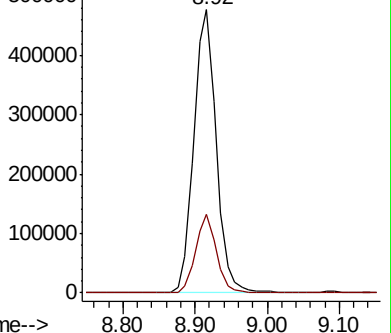
63 100

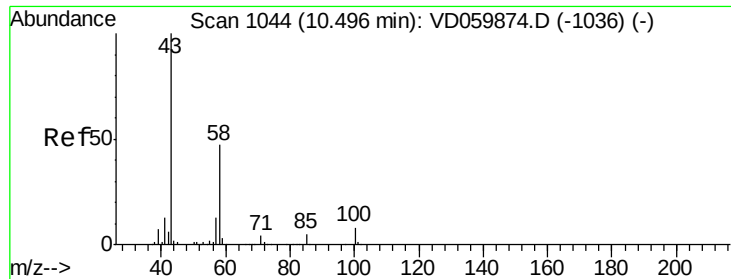
106 27.6 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

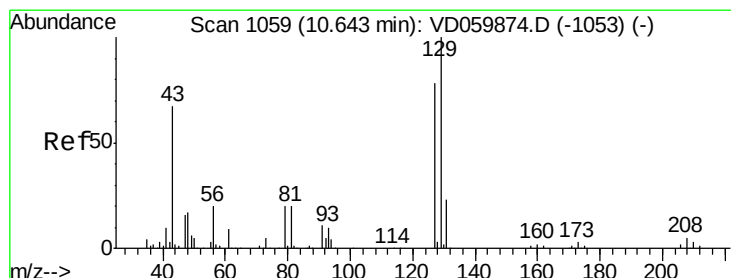
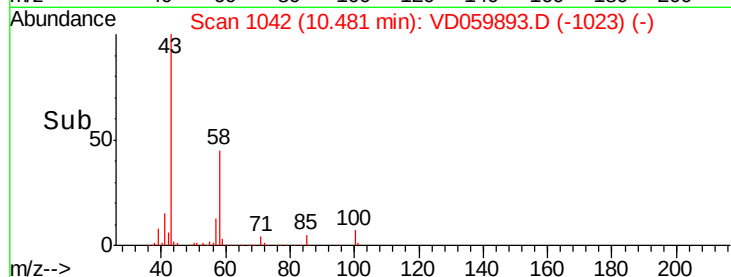
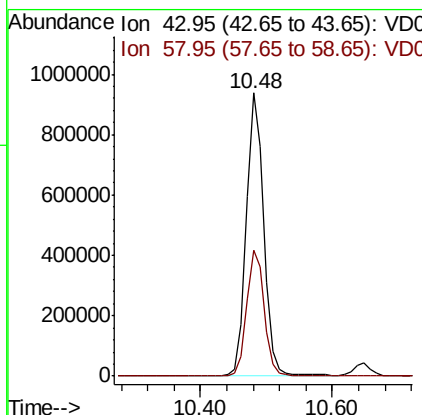
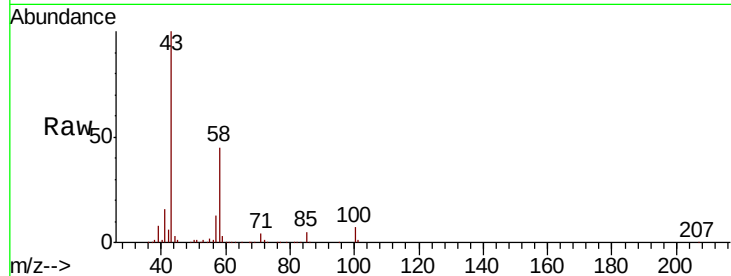




#59
2-Hexanone
Concen: 264.25 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

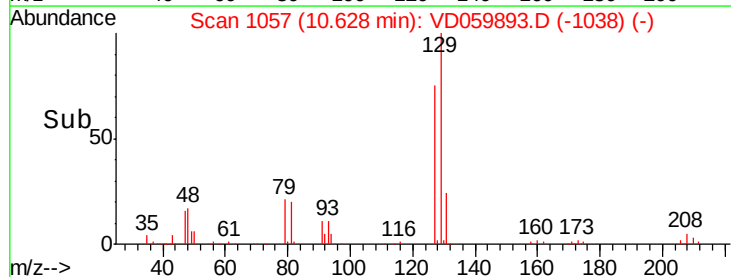
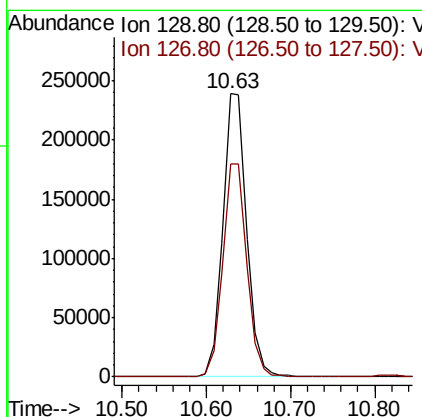
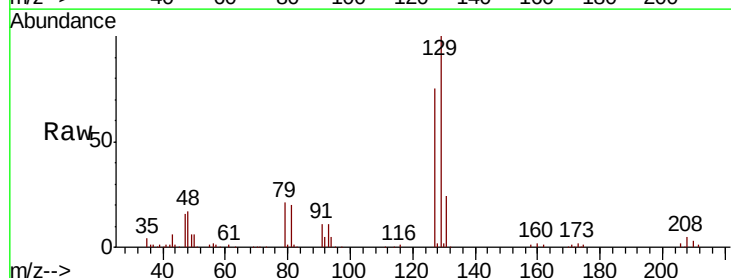
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

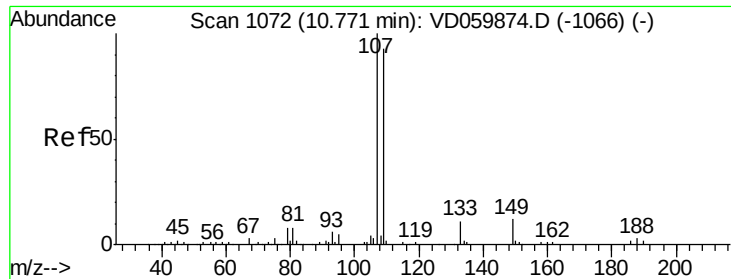
Tot Ion: 43 Resp: 1744560
Ion Ratio Lower Upper
43 100
58 44.5 23.3 69.8



#60
Dibromochloromethane
Concen: 51.43 ug/l
RT: 10.63 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 129 Resp: 467230
Ion Ratio Lower Upper
129 100
127 75.4 39.1 117.2

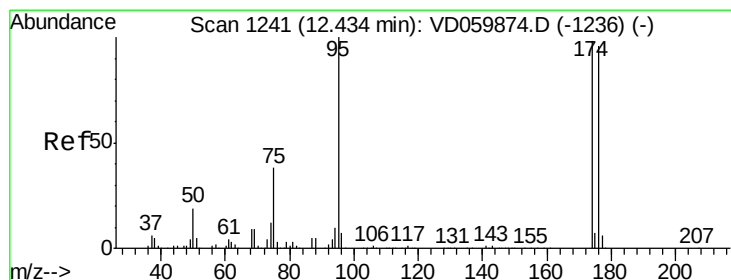
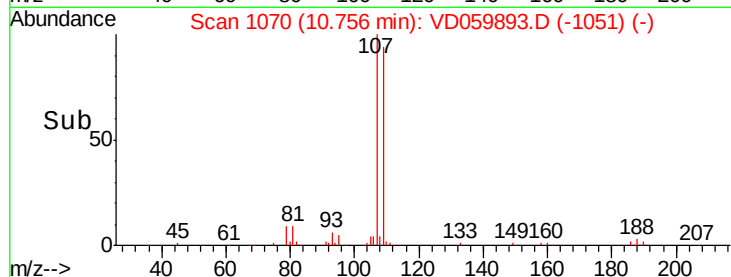
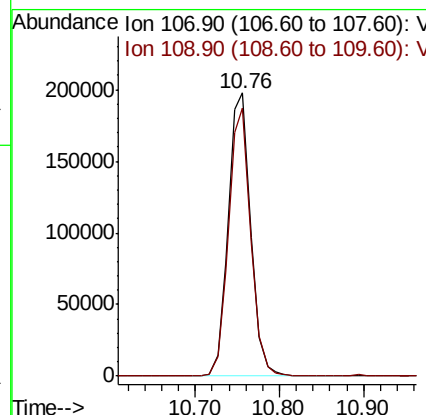
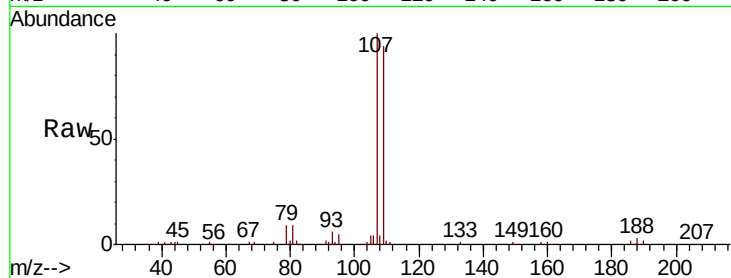




#61
 1,2-Dibromoethane
 Concen: 49.77 ug/l
 RT: 10.76 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

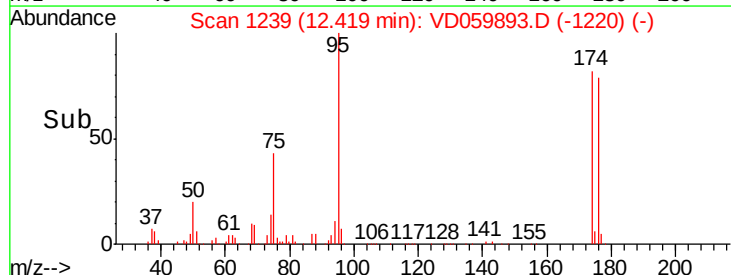
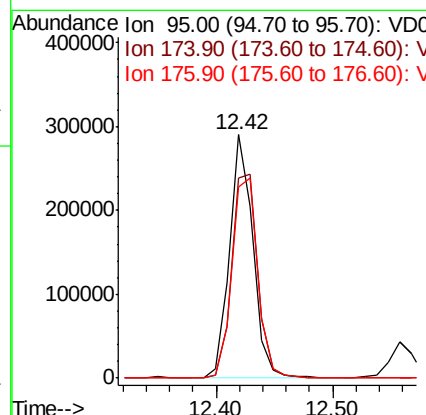
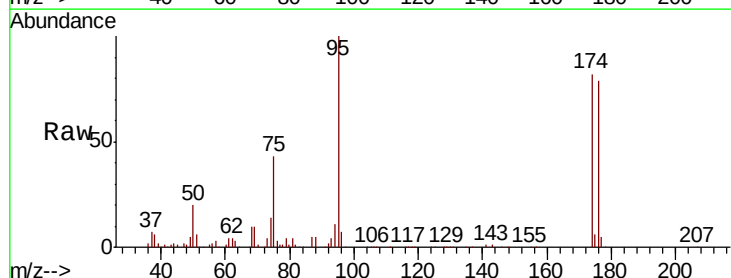
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

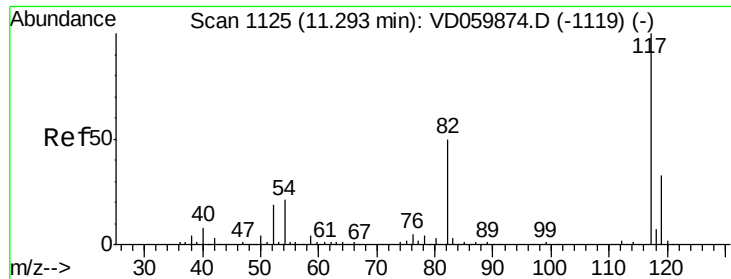
Tot Ion:107 Resp: 363724
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.77 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion: 95 Resp: 403731
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 195.6
 176 78.6 0.0 191.2

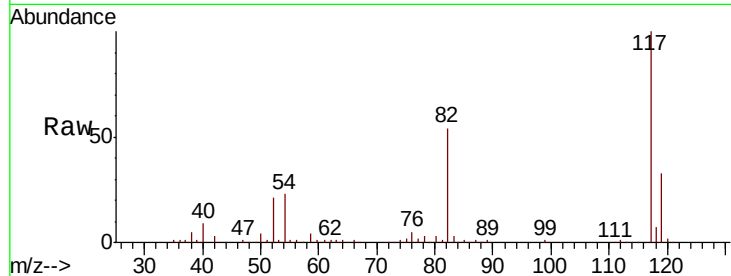




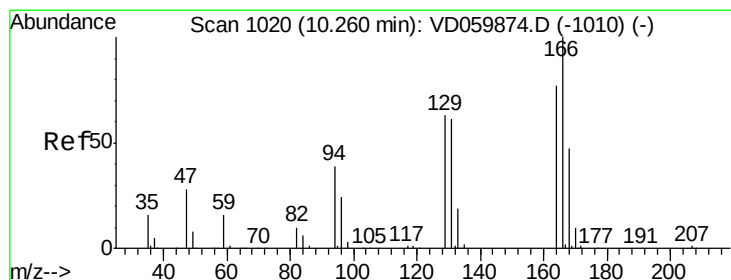
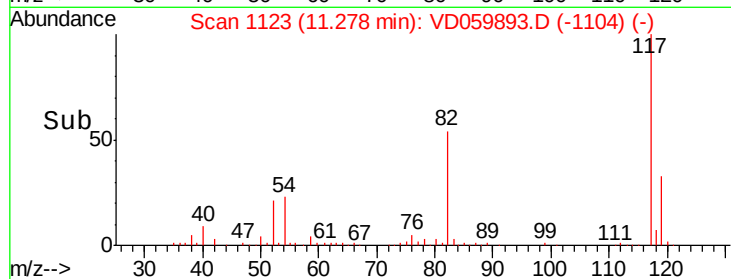
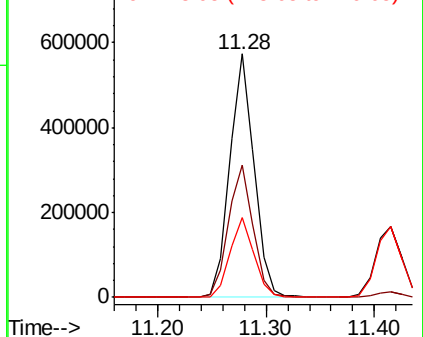
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

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

Tot Ion:117 Resp: 897215
Ion Ratio Lower Upper
117 100
82 54.1 40.1 60.1
119 32.5 26.7 40.1

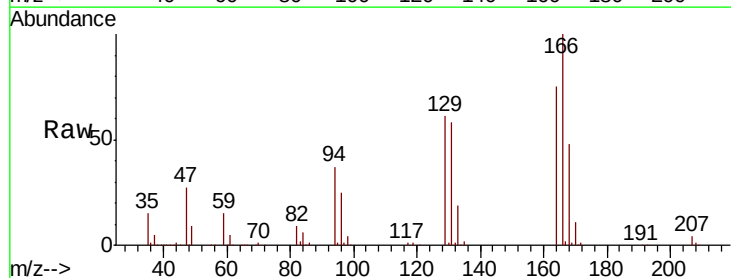


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

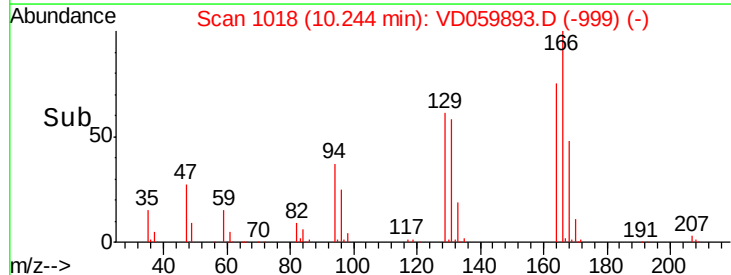
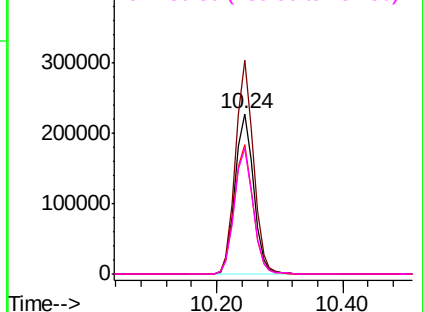


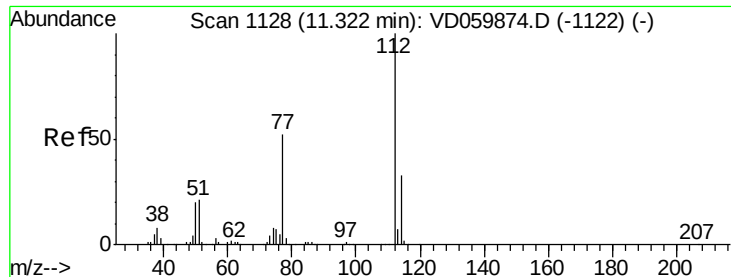
#64
Tetrachloroethene
Concen: 65.99 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion:164 Resp: 457821
Ion Ratio Lower Upper
164 100
166 133.1 103.4 155.2
129 80.7 65.2 97.8
131 77.9 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

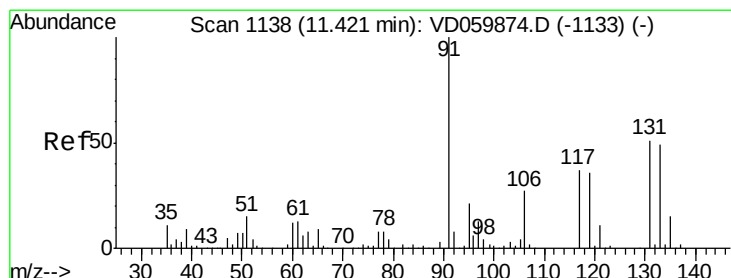
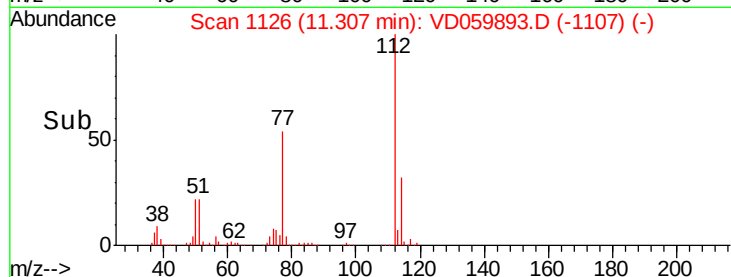
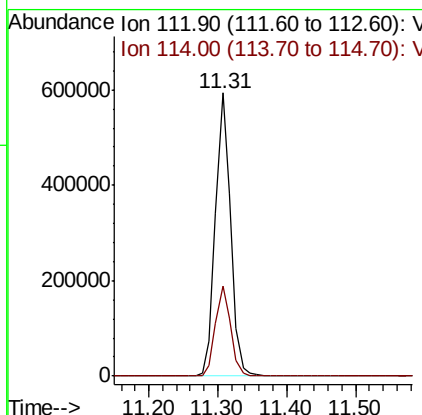
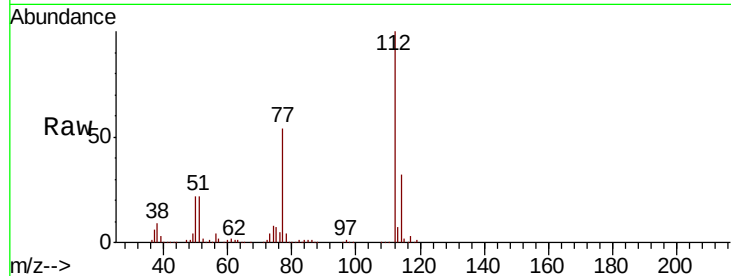




#65
Chlorobenzene
Concen: 50.63 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

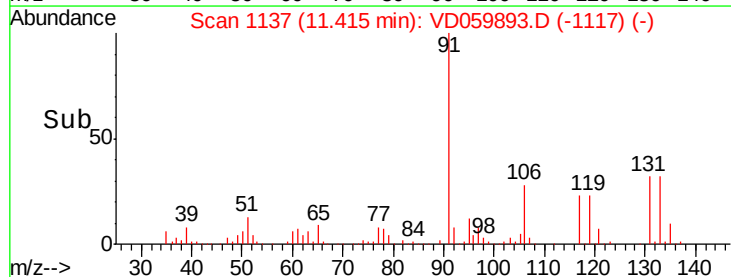
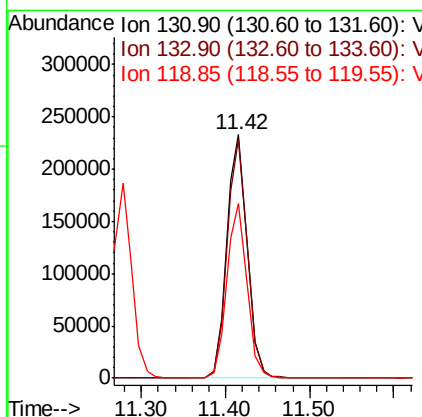
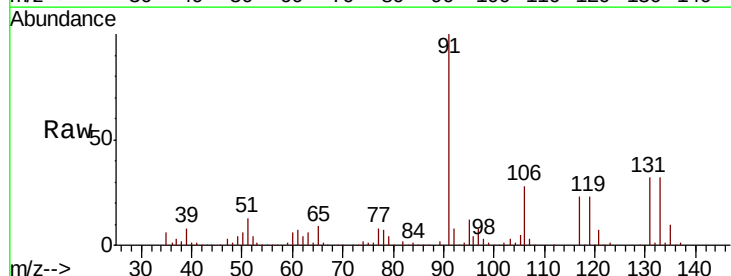
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

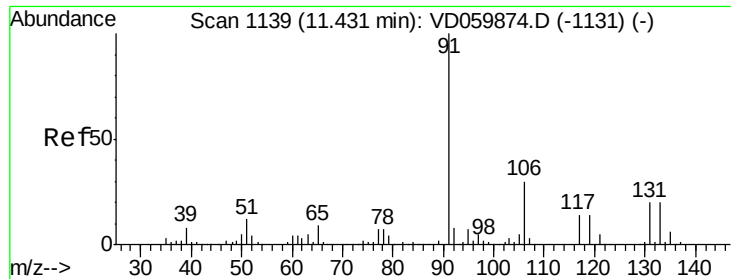
Tot Ion:112 Resp: 902703
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 59.61 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion:131 Resp: 388309
Ion Ratio Lower Upper
131 100
133 97.9 48.3 144.8
119 71.8 35.4 106.3

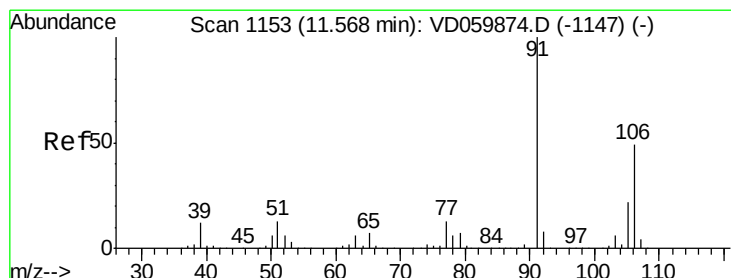
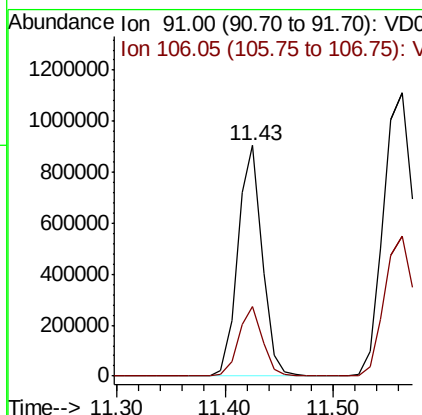
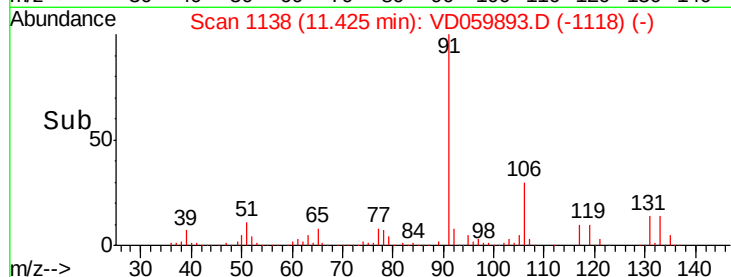
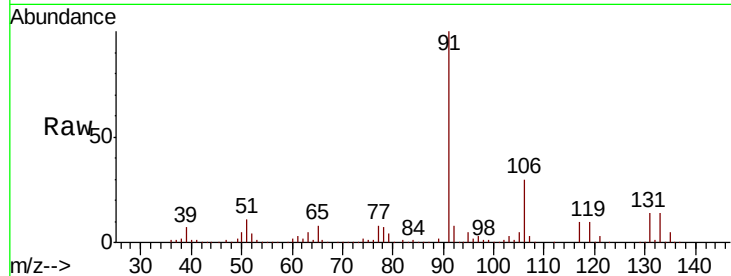




#67
Ethyl Benzene
Concen: 46.95 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

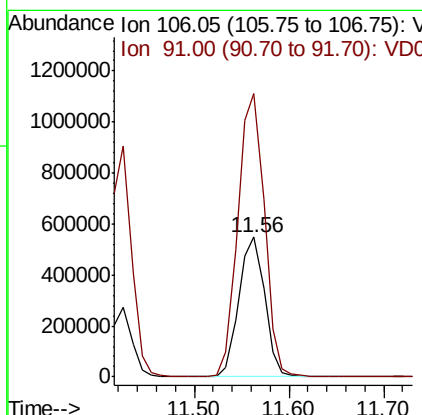
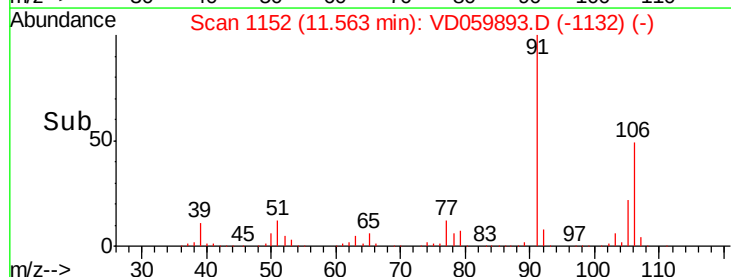
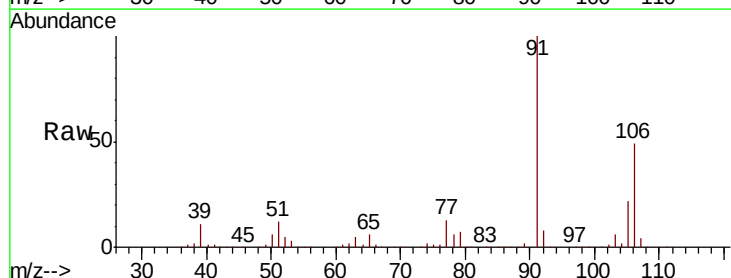
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

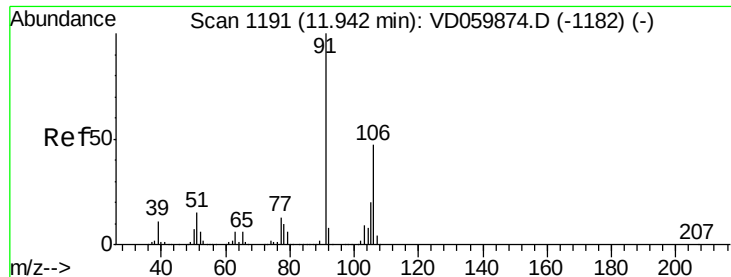
Tot Ion: 91 Resp: 1408368
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.8



#68
m/p-Xylenes
Concen: 94.75 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 106 Resp: 1034735
Ion Ratio Lower Upper
106 100
91 203.1 162.0 243.0

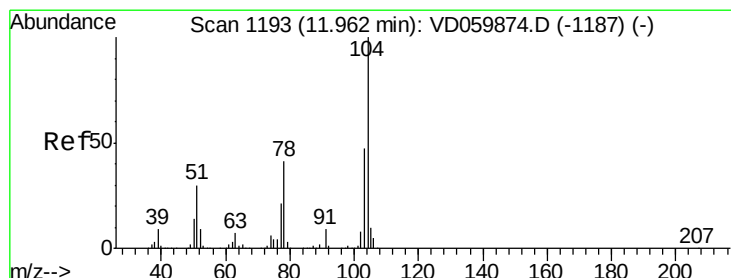
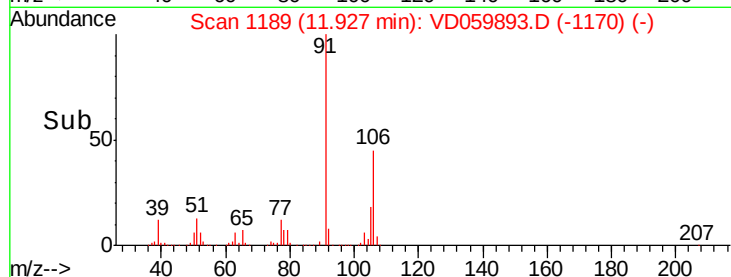
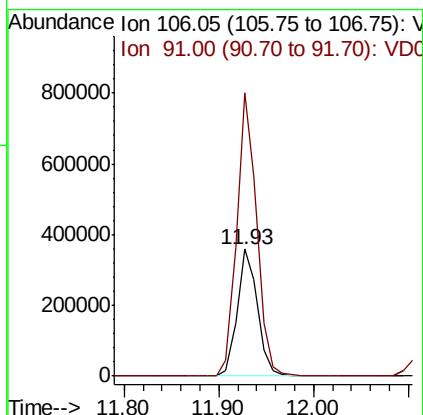
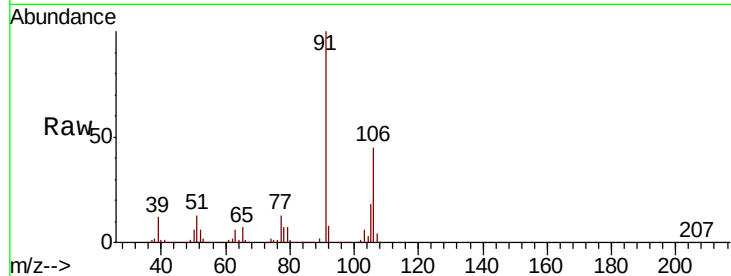




#69
o-Xylene
Concen: 49.51 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

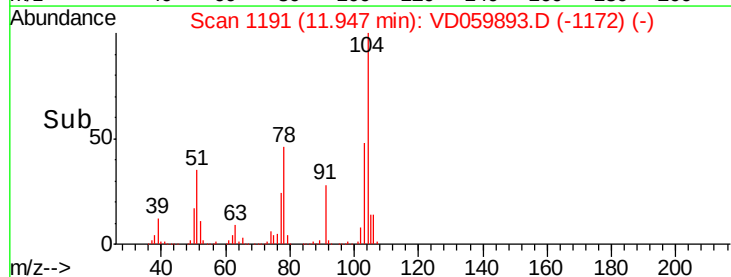
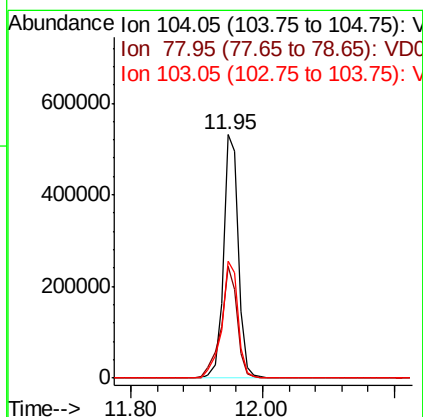
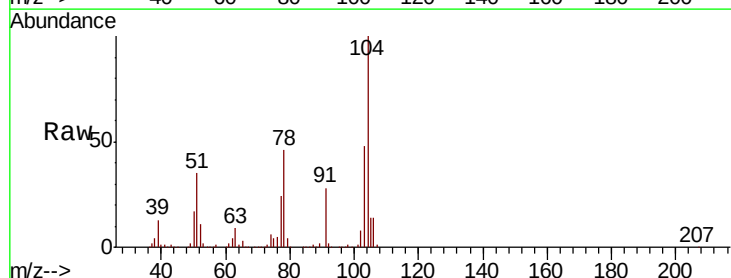
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

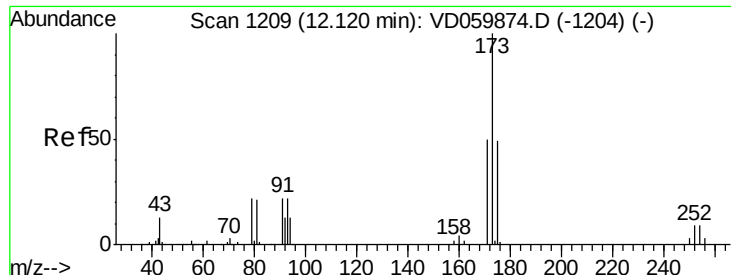
Tot Ion:106 Resp: 528785
Ion Ratio Lower Upper
106 100
91 223.0 107.3 322.0



#70
Styrene
Concen: 45.10 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion:104 Resp: 834206
Ion Ratio Lower Upper
104 100
78 46.0 32.6 49.0
103 47.9 37.7 56.5





#71

Bromoform

Concen: 58.86 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

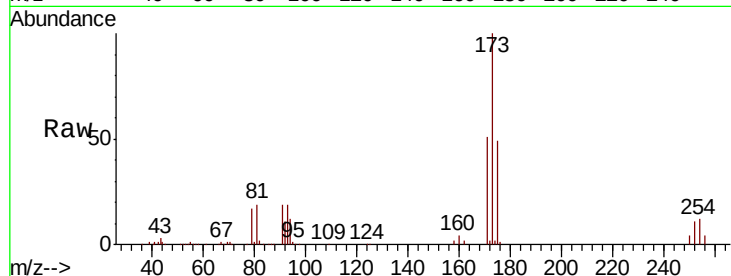
Tot Ion:173 Resp: 331743

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

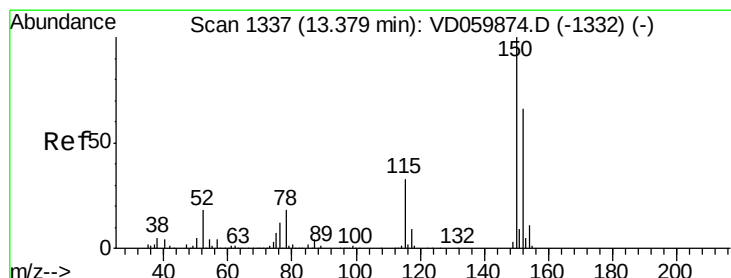
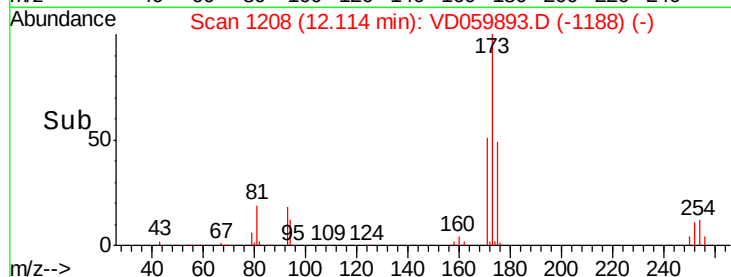
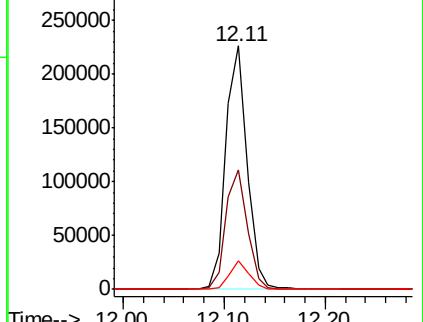
254 11.5 7.0 10.6#



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: 13.36 min Scan# 1335

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

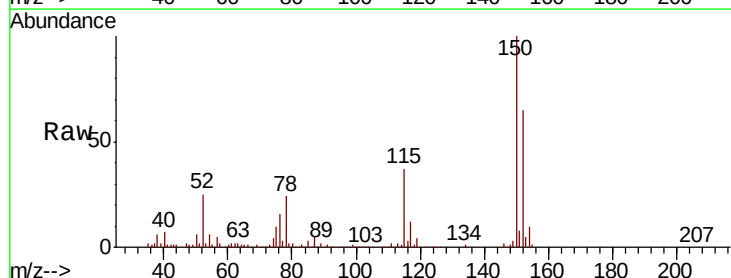
Tgt Ion:152 Resp: 330283

Ion Ratio Lower Upper

152 100

115 56.4 25.7 77.0

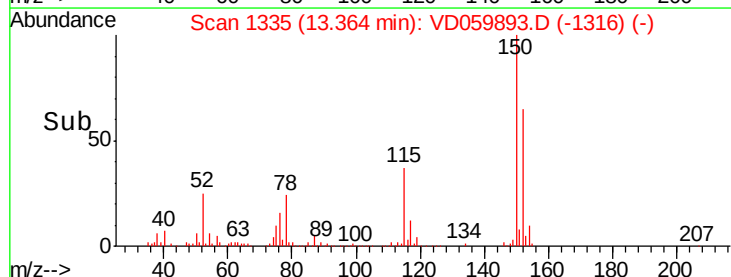
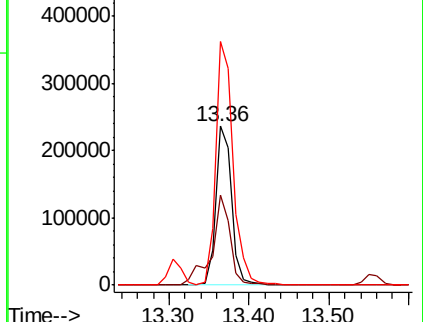
150 153.3 0.0 310.2

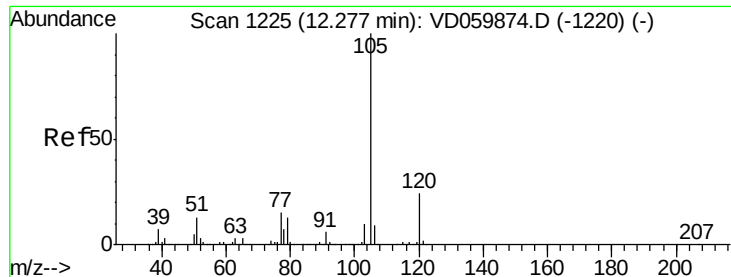


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

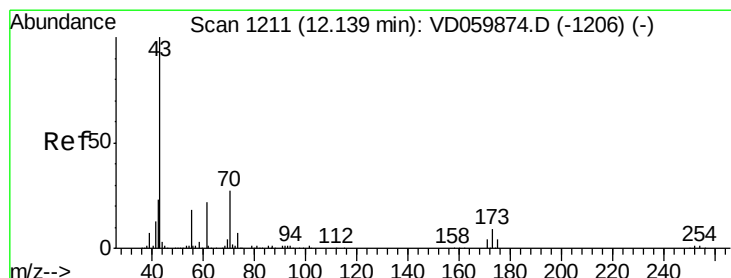
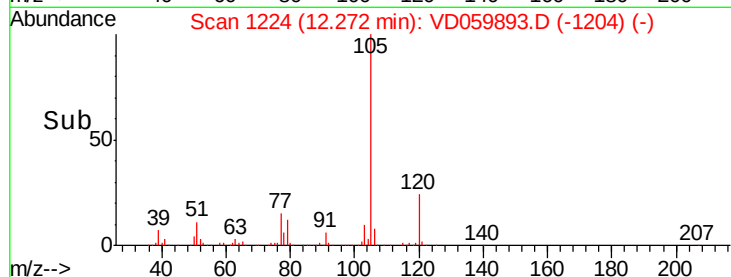
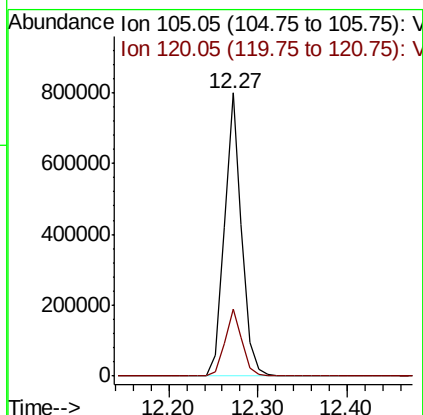
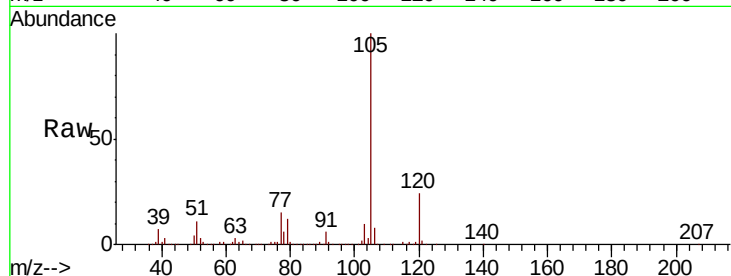




#73
Isopropylbenzene
Concen: 51.35 ug/l
RT: 12.27 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

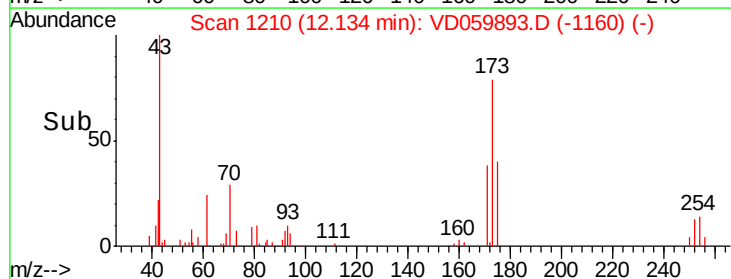
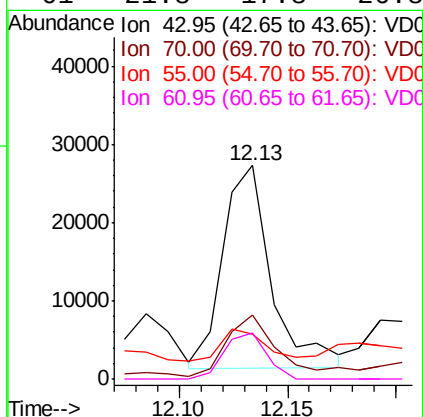
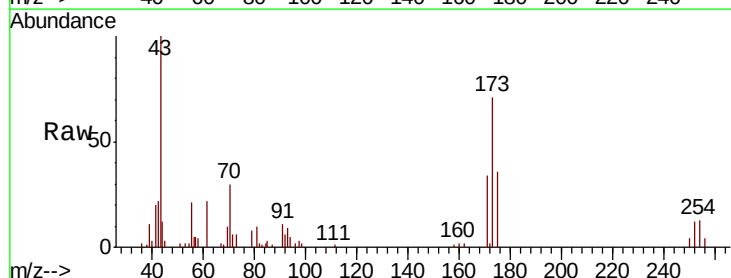
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

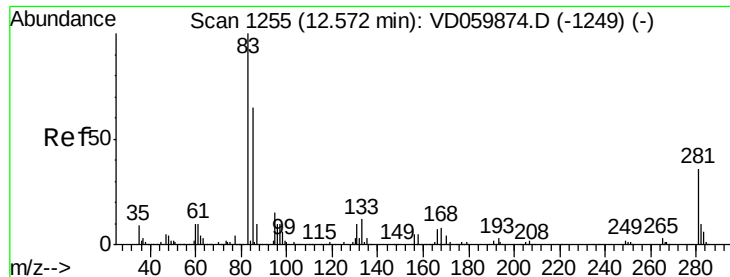
Tot Ion:105 Resp: 1082660
Ion Ratio Lower Upper
105 100
120 23.6 11.8 35.4



#74
N-ethyl acetate
Concen: 4.39 ug/l
RT: 12.13 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 43 Resp: 40524
Ion Ratio Lower Upper
43 100
70 29.8 21.4 32.2
55 21.1 14.1 21.1#
61 21.8 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 88.98 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

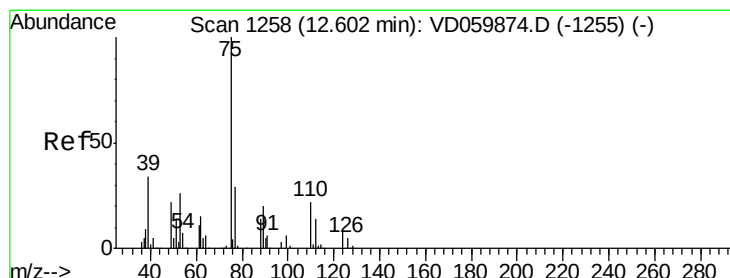
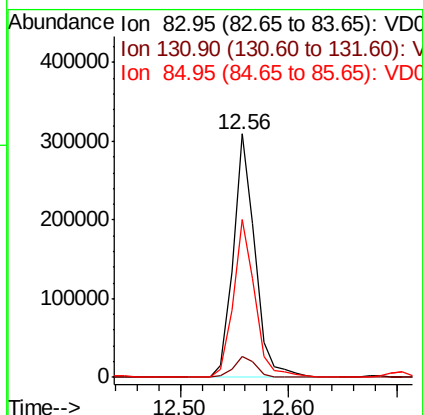
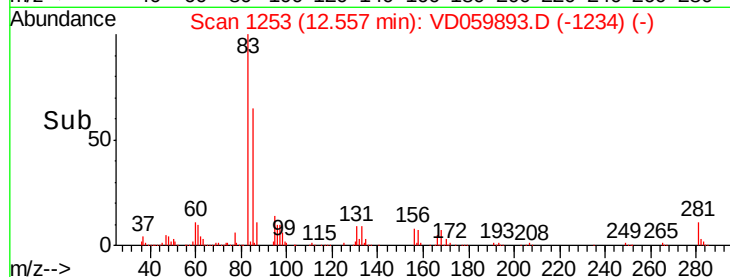
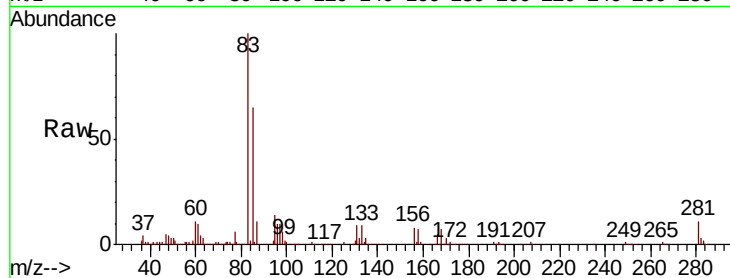
Tot Ion: 83 Resp: 433944

Ion Ratio Lower Upper

83 100

131 8.6 4.8 14.4

85 65.0 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 78.79 ug/l

RT: 12.60 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059893.D

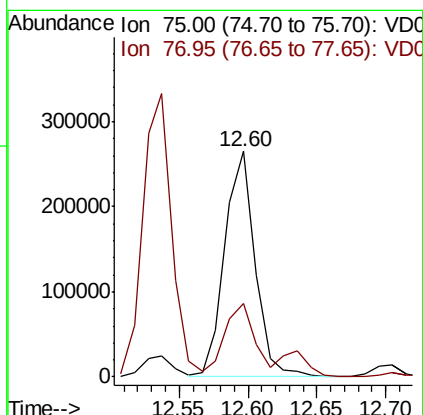
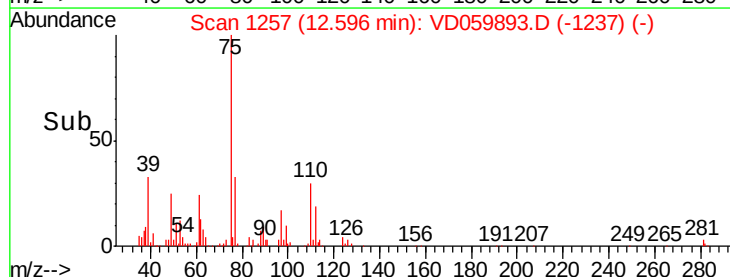
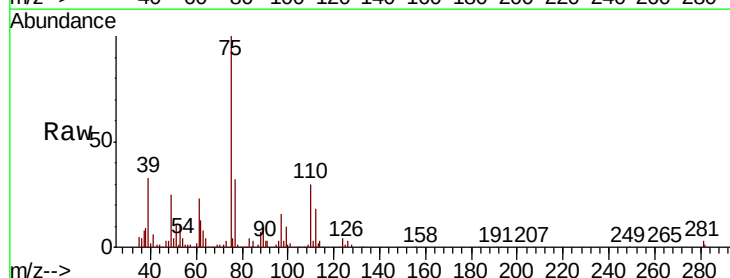
Acq: 23 Aug 2018 17:33

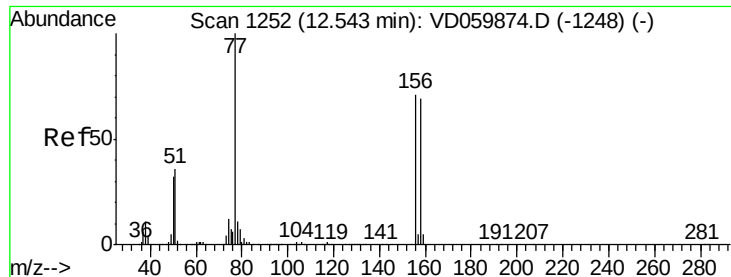
Tgt Ion: 75 Resp: 404450

Ion Ratio Lower Upper

75 100

77 32.4 16.4 49.2





#77

Bromobenzene

Concen: 64.80 ug/l

RT: 12.54 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

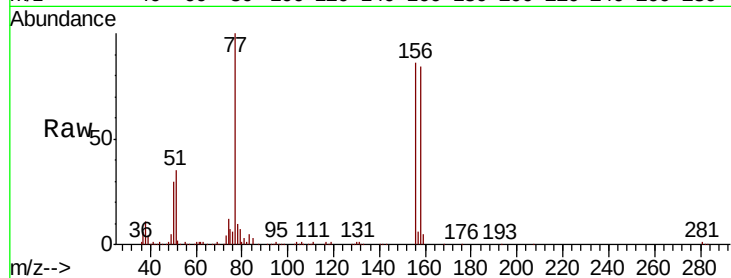
Tot Ion:156 Resp: 378768

Ion Ratio Lower Upper

156 100

77 116.3 70.2 210.4

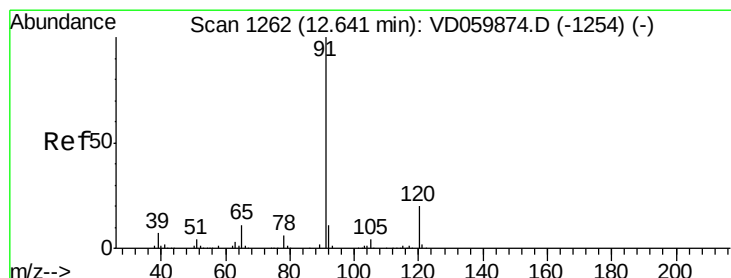
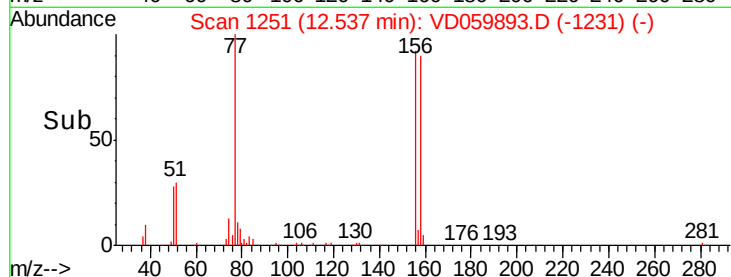
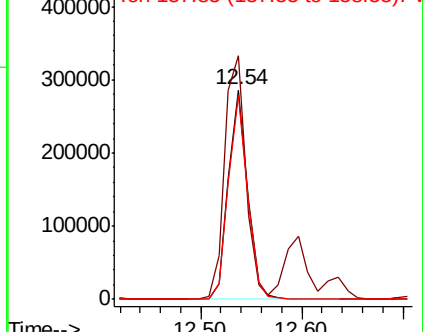
158 97.2 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 43.04 ug/l

RT: 12.64 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059893.D

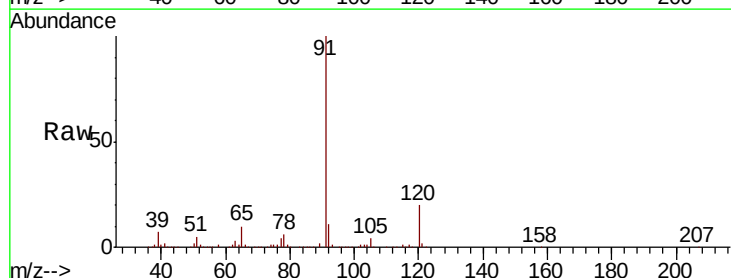
Acq: 23 Aug 2018 17:33

Tgt Ion: 91 Resp: 1148993

Ion Ratio Lower Upper

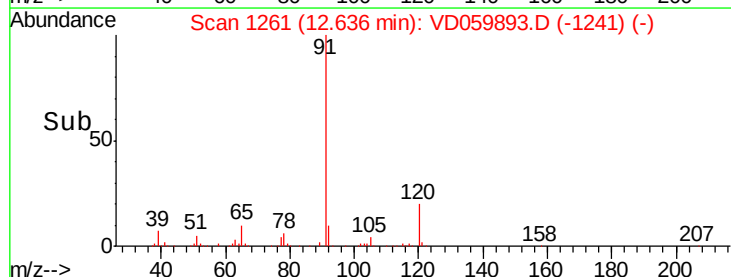
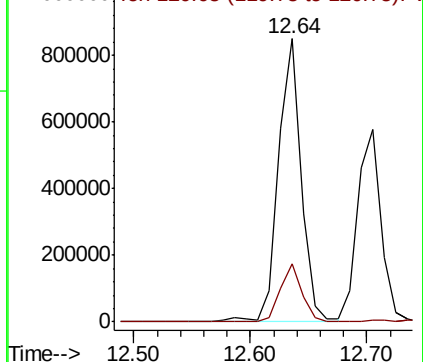
91 100

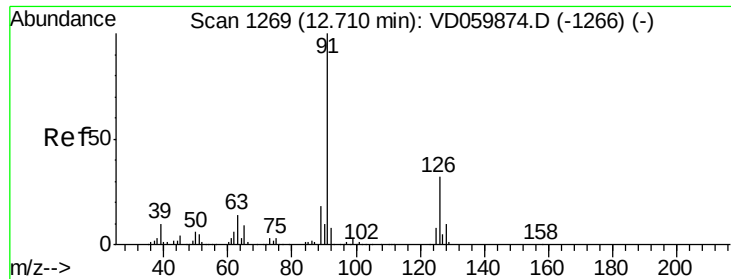
120 20.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.52 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

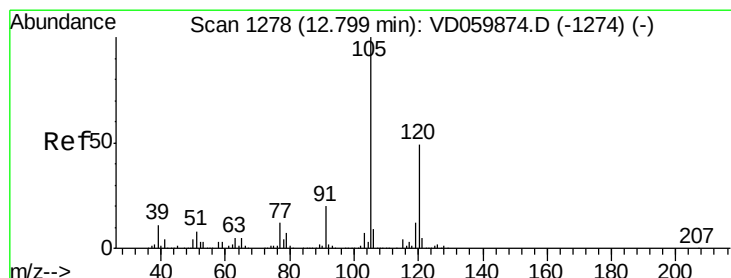
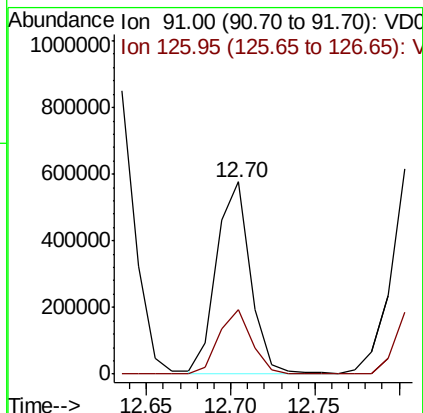
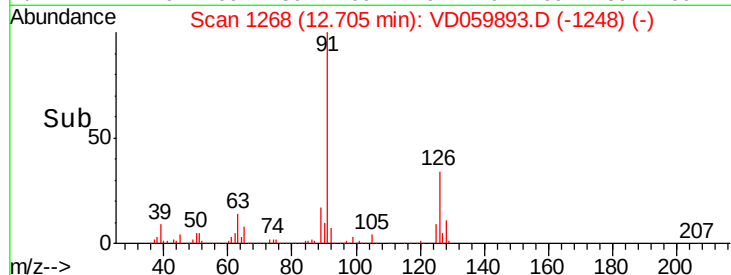
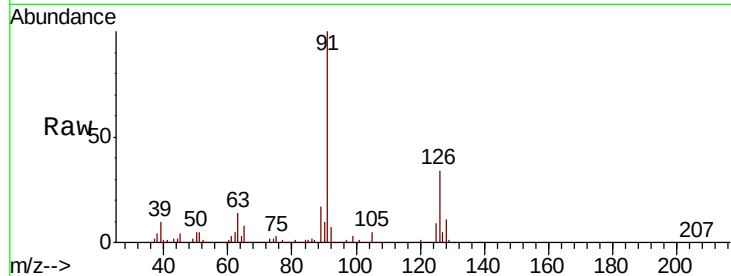
RA-081718-WSW-20-053

Tot Ion: 91 Resp: 807981

Ion Ratio Lower Upper

91 100

126 33.8 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 44.33 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059893.D

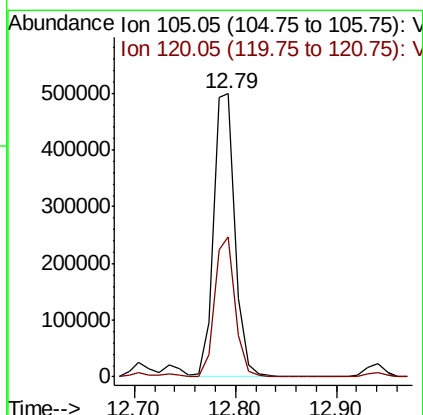
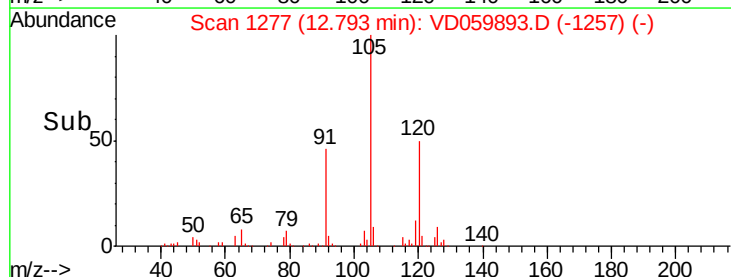
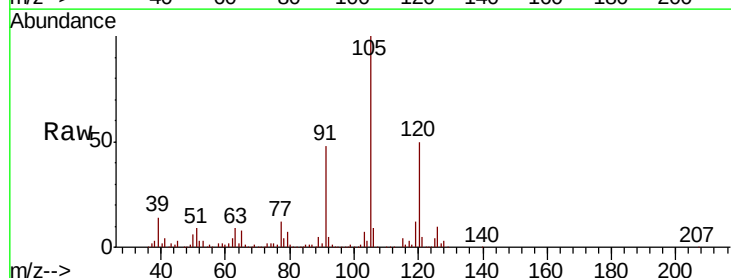
Acq: 23 Aug 2018 17:33

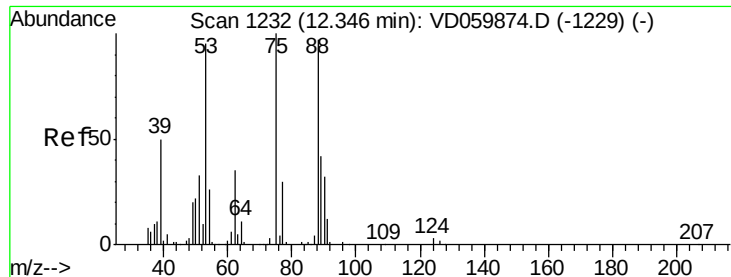
Tgt Ion: 105 Resp: 743095

Ion Ratio Lower Upper

105 100

120 49.7 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 54.81 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

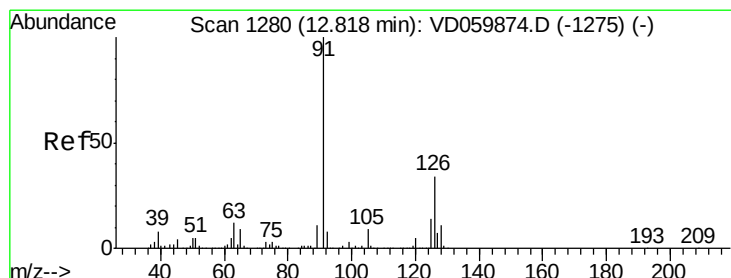
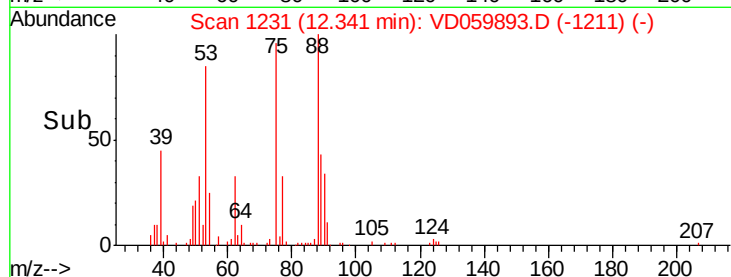
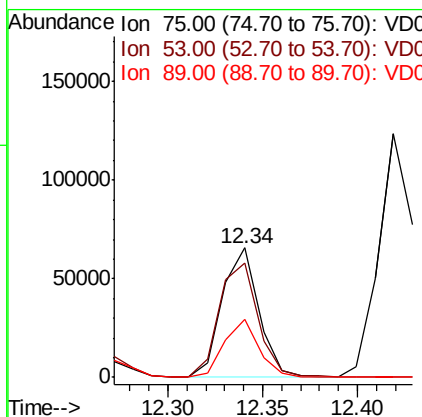
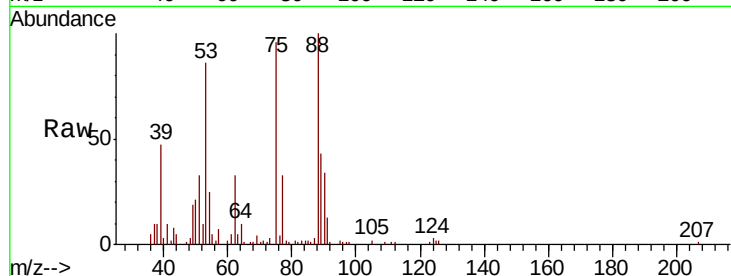
Tot Ion: 75 Resp: 87513

Ion Ratio Lower Upper

75 100

53 88.9 75.8 113.6

89 44.7 33.6 50.4



#82

4-Chlorotoluene

Concen: 50.20 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059893.D

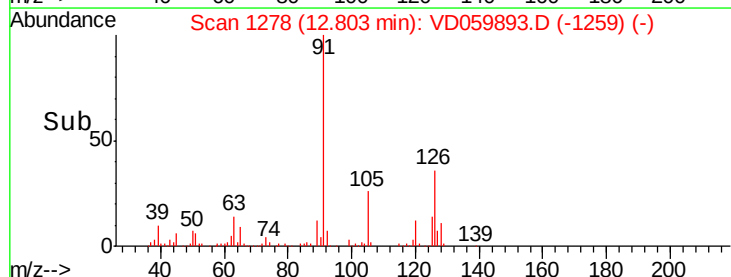
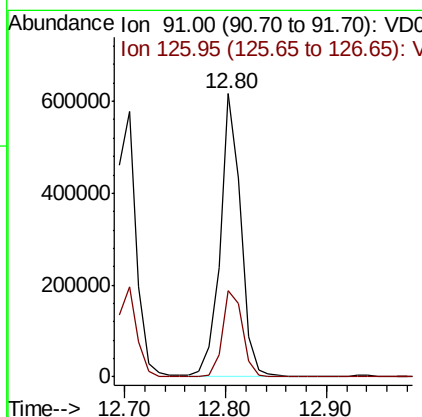
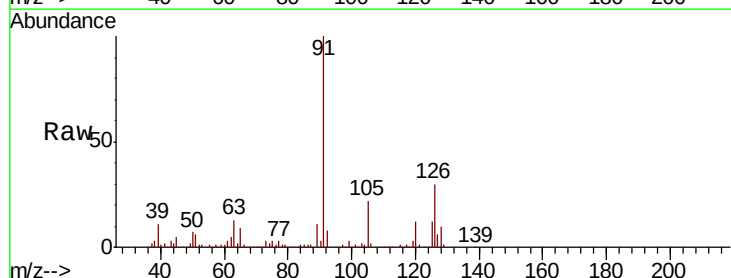
Acq: 23 Aug 2018 17:33

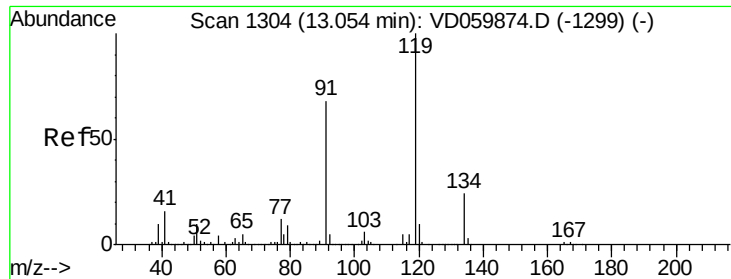
Tgt Ion: 91 Resp: 864558

Ion Ratio Lower Upper

91 100

126 30.3 17.1 51.2

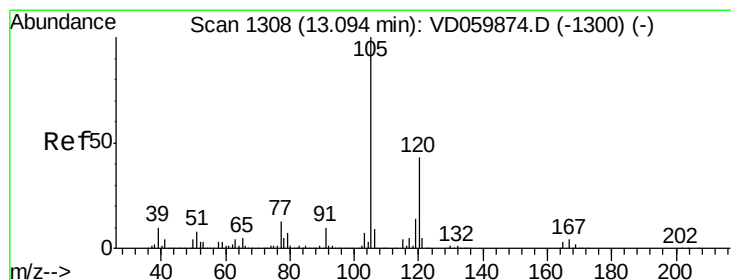
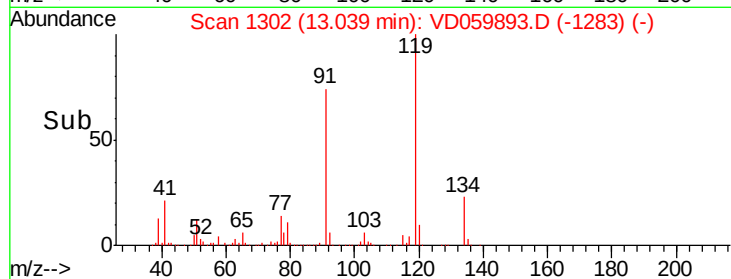
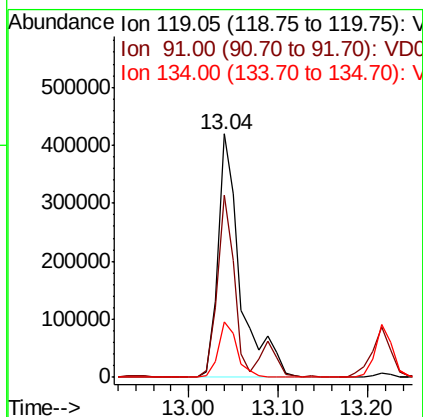
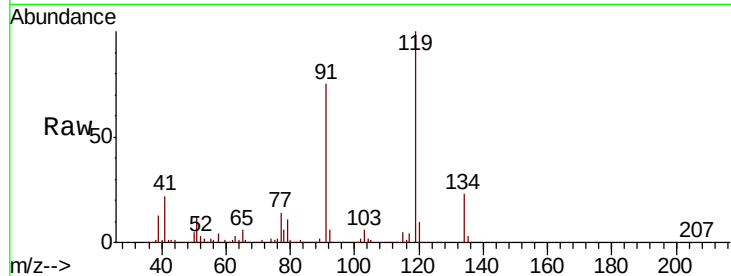




#83
 tert-Butylbenzene
 Concen: 38.60 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

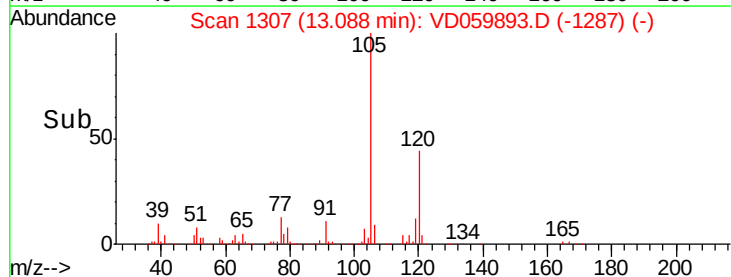
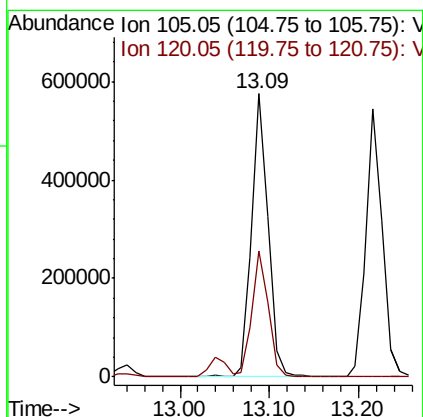
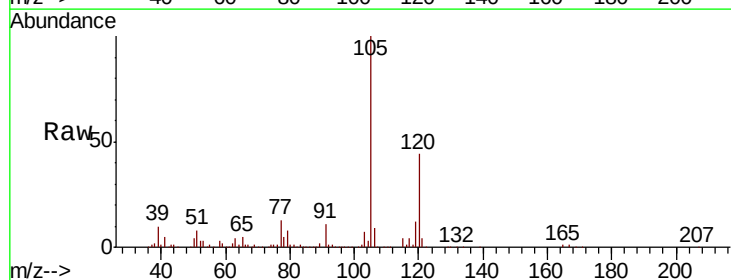
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

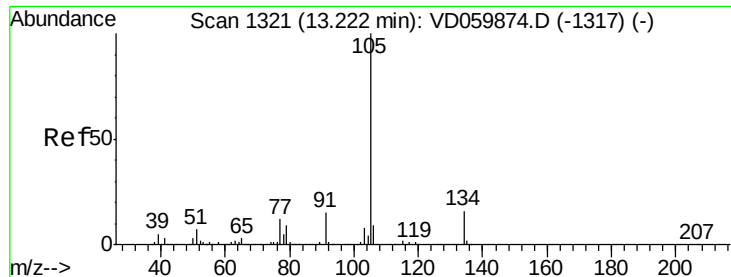
Tot Ion:119 Resp: 737055
 Ion Ratio Lower Upper
 119 100
 91 74.7 34.3 102.9
 134 22.7 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 41.91 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion:105 Resp: 732135
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.8 65.3





#85

sec-Butylbenzene

Concen: 30.57 ug/l

RT: 13.22 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

Instrument :

MSVOA_D

ClientSampleId :

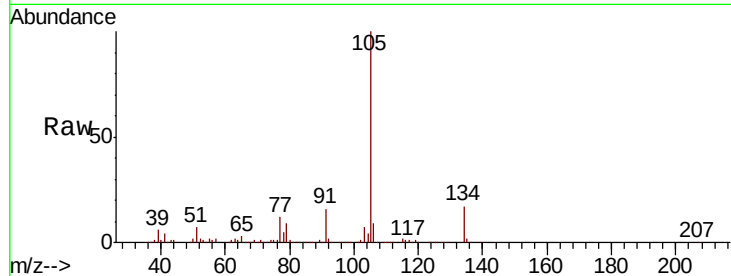
RA-081718-WSW-20-053

Tot Ion:105 Resp: 686449

Ion Ratio Lower Upper

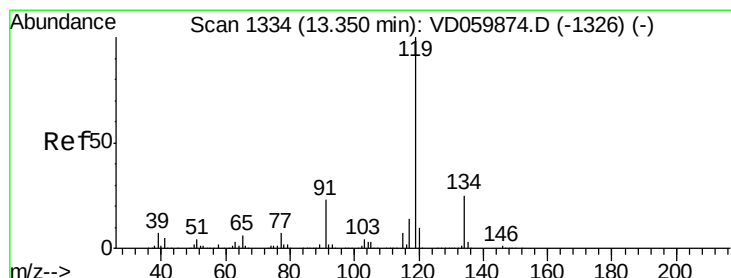
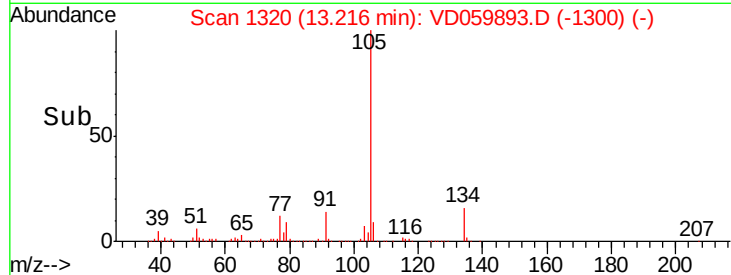
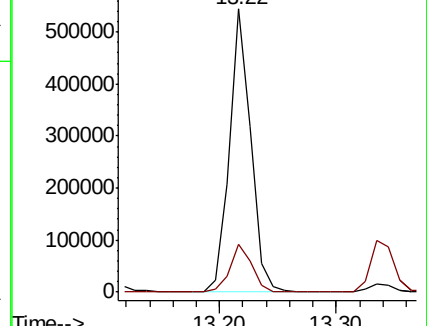
105 100

134 16.9 8.2 24.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 30.72 ug/l

RT: 13.33 min Scan# 1332

Delta R.T. -0.02 min

Lab File: VD059893.D

Acq: 23 Aug 2018 17:33

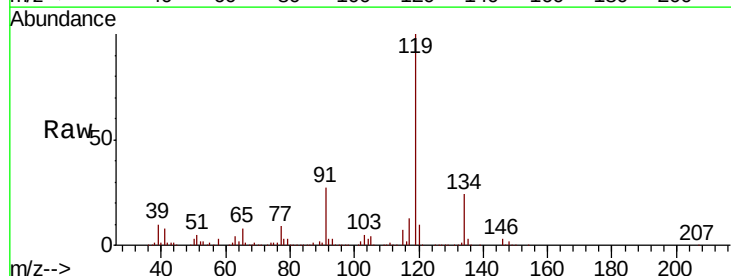
Tgt Ion:119 Resp: 560975

Ion Ratio Lower Upper

119 100

134 23.6 12.7 38.1

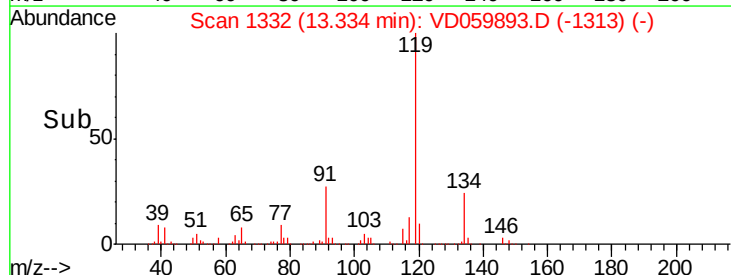
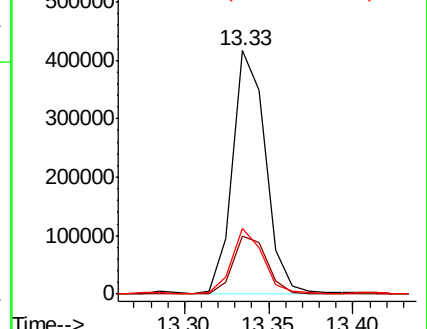
91 26.9 11.7 35.0

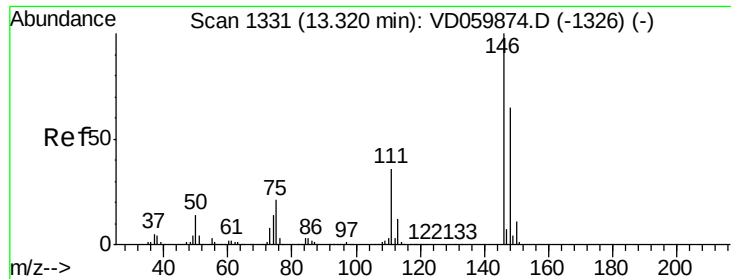


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

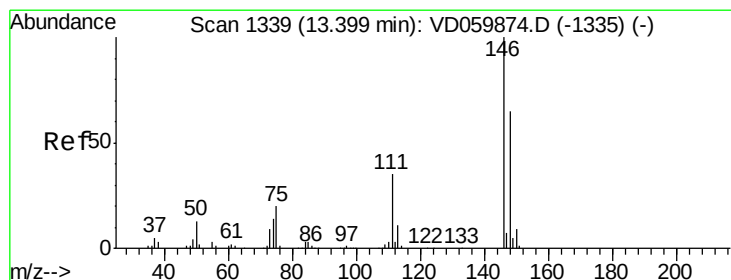
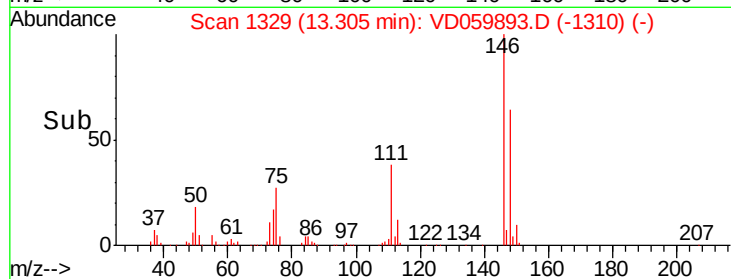
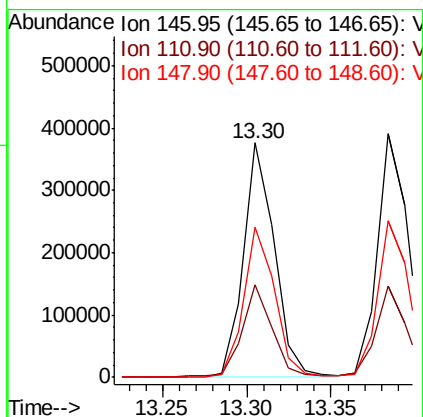
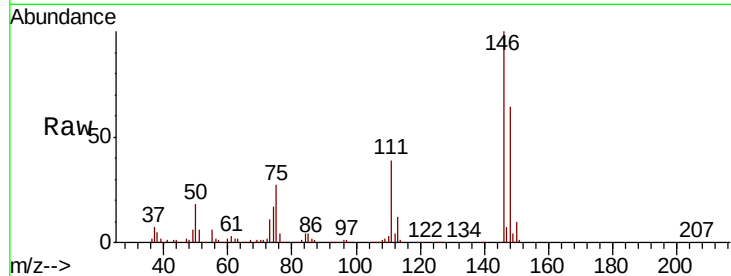




#87
 1,3-Dichlorobenzene
 Concen: 46.16 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

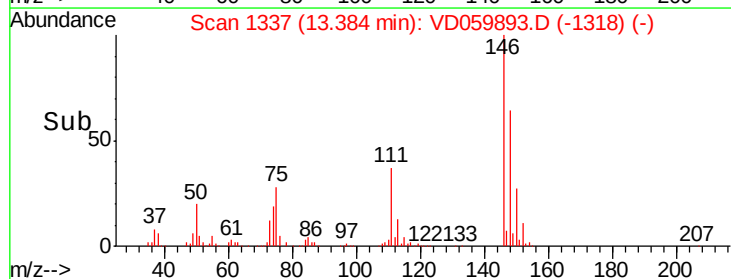
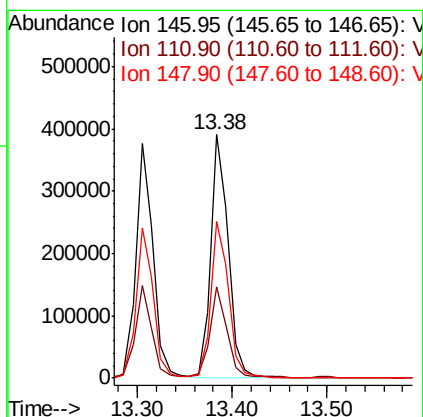
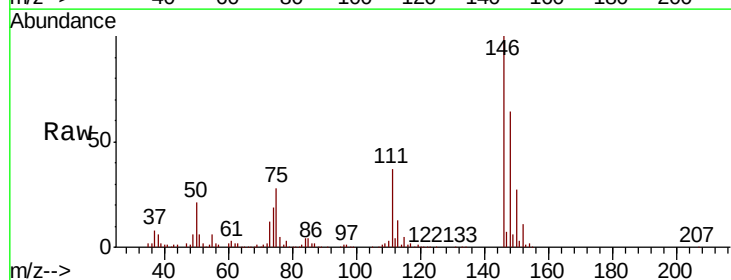
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

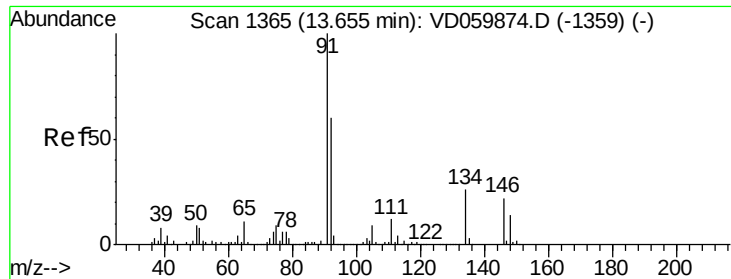
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	17.9	53.7
148	64.3	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 48.52 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	17.5	52.6
148	64.2	32.5	97.5

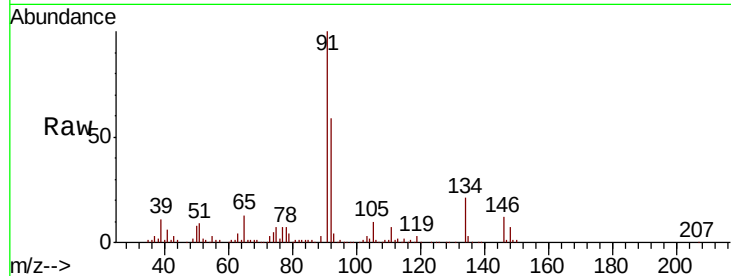




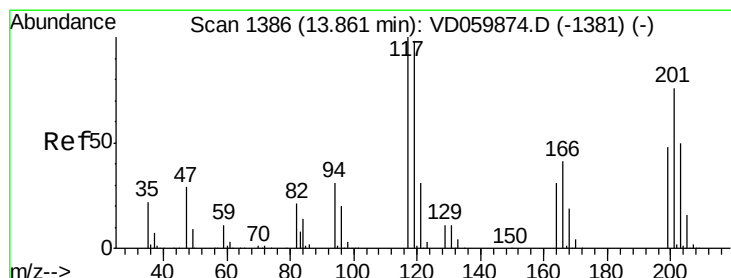
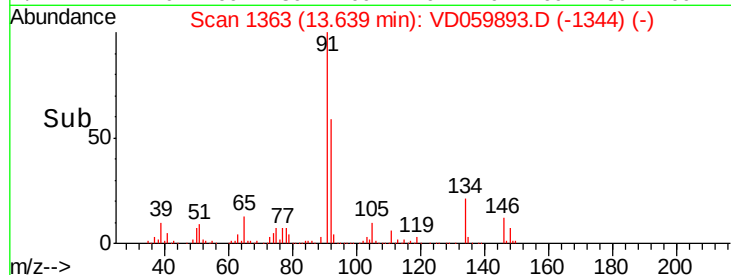
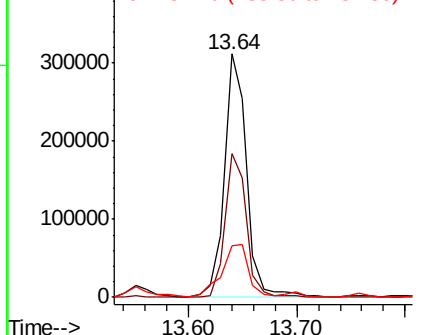
#89
n-Butylbenzene
Concen: 22.54 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

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

Tot Ion: 91 Resp: 439784
Ion Ratio Lower Upper
91 100
92 59.2 30.0 90.1
134 21.0 12.8 38.4

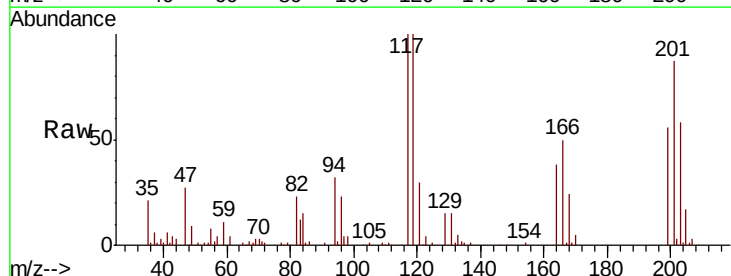


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

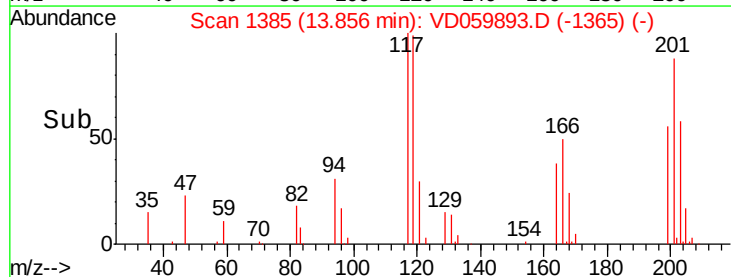
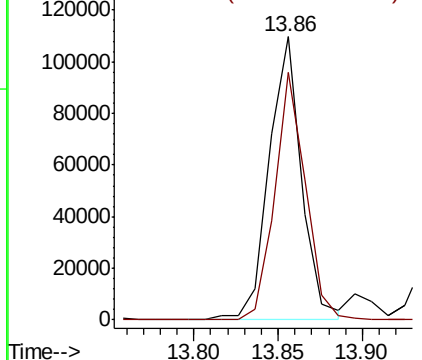


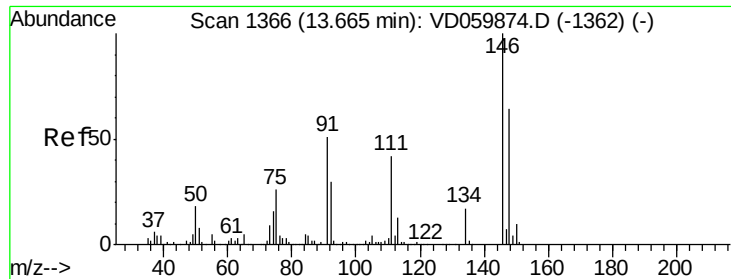
#90
Hexachloroethane
Concen: 29.90 ug/l
RT: 13.86 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion: 117 Resp: 146618
Ion Ratio Lower Upper
117 100
201 87.4 38.1 114.5



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

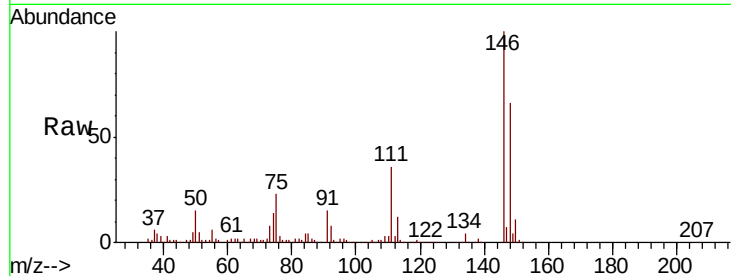




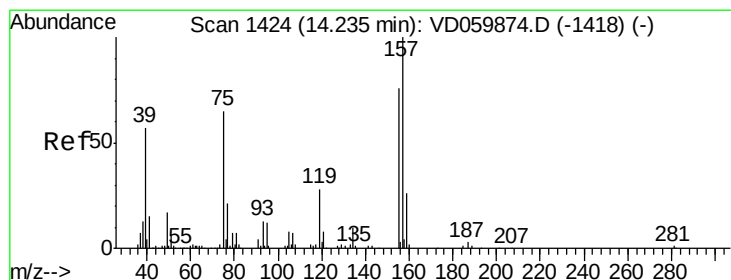
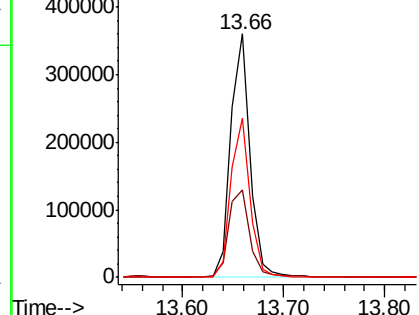
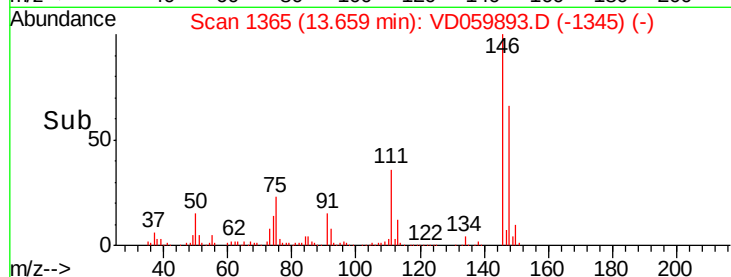
#91
 1,2-Dichlorobenzene
 Concen: 53.60 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	21.1	63.1
148	65.6	32.2	96.6

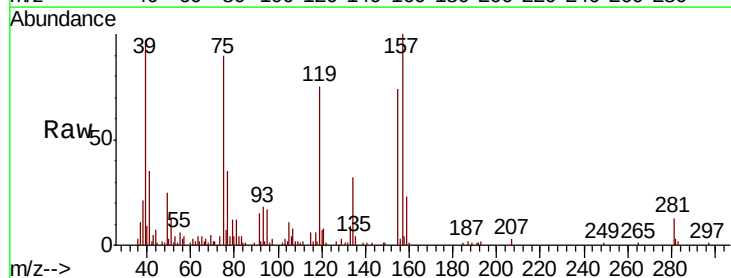


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

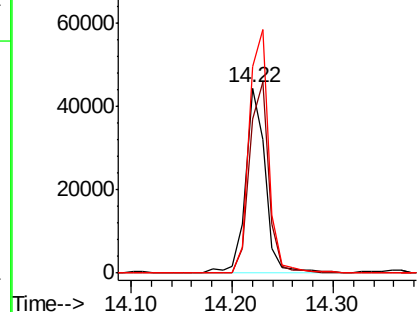
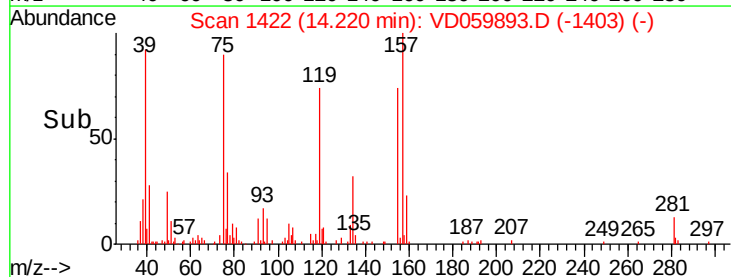


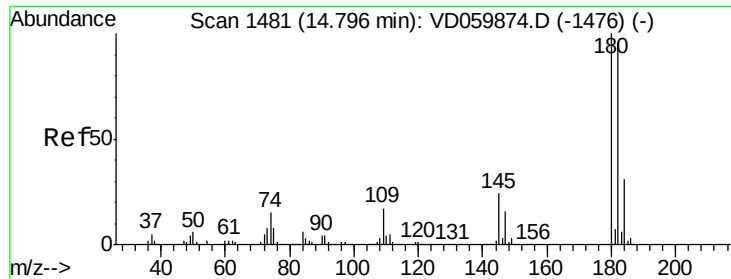
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 80.26 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	58.2	174.6
157	111.5	76.8	230.4



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

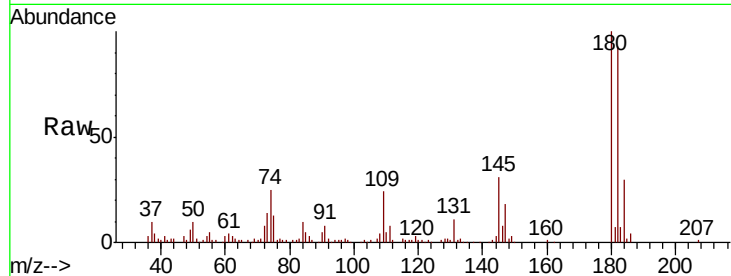




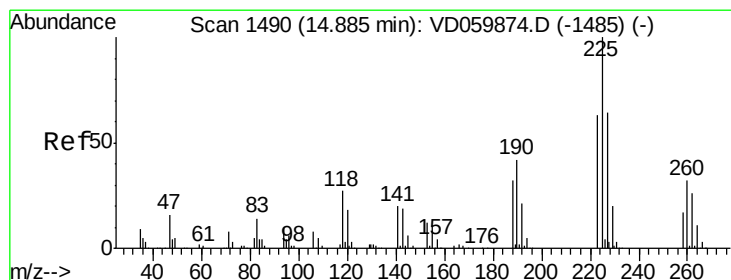
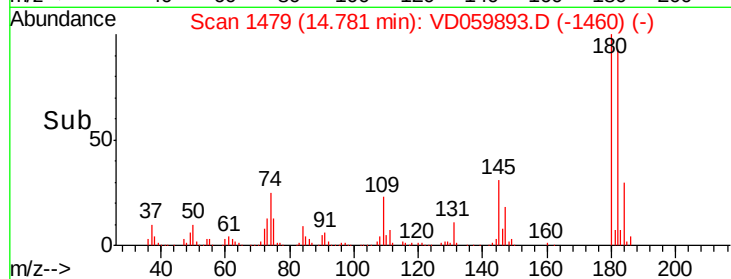
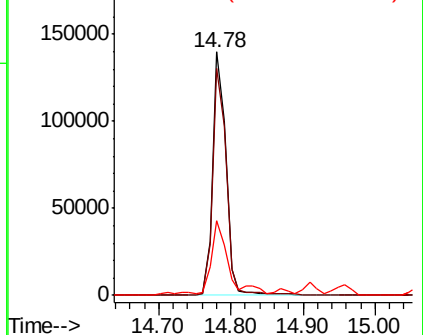
#93
 1,2,4-Trichlorobenzene
 Concen: 23.37 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.7
145	30.9	12.2	36.4

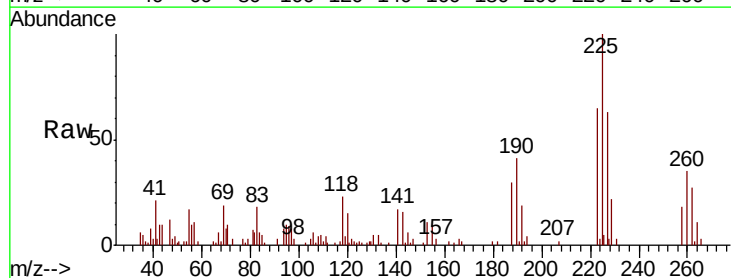


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

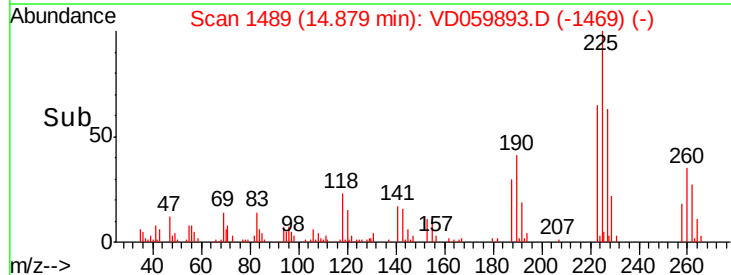
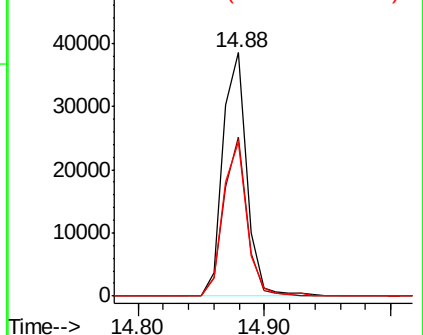


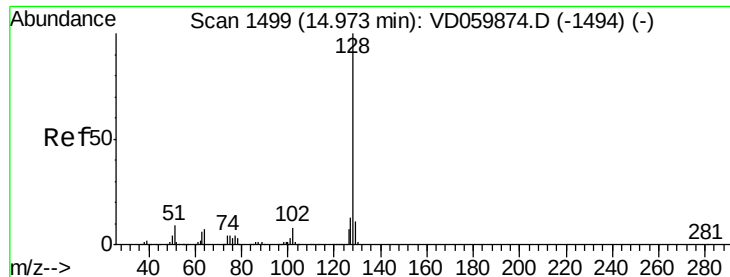
#94
 Hexachlorobutadiene
 Concen: 10.13 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059893.D
 Acq: 23 Aug 2018 17:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.6	94.8
227	63.4	32.0	96.0



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

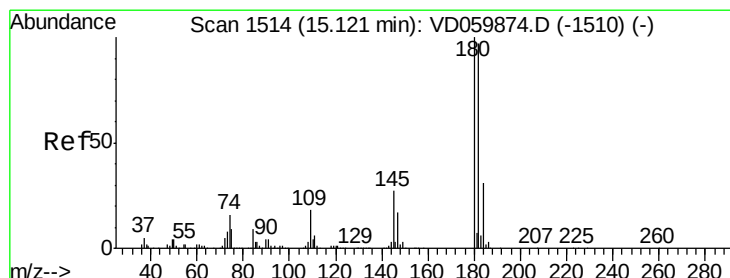
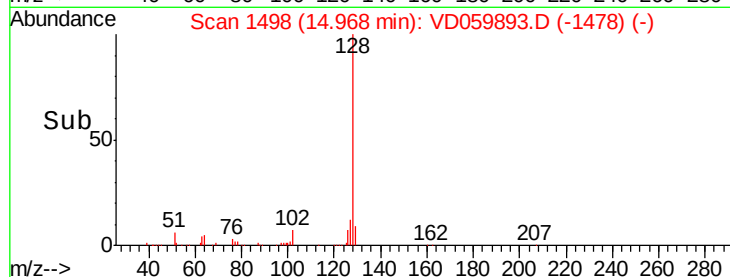
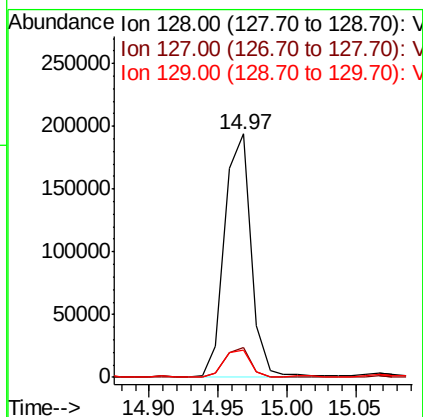
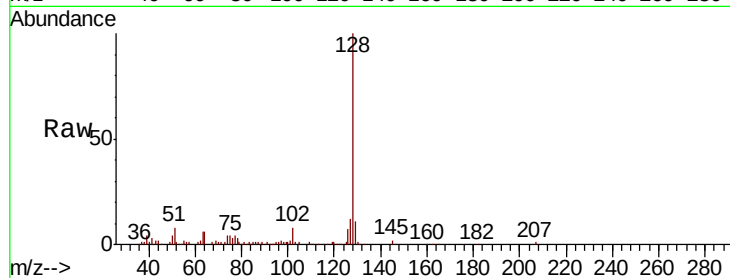




#95
Naphthalene
Concen: 22.51 ug/l
RT: 14.97 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

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

Tot Ion:128 Resp: 261318
Ion Ratio Lower Upper
128 100
127 12.4 10.0 15.0
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 24.70 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.02 min
Lab File: VD059893.D
Acq: 23 Aug 2018 17:33

Tgt Ion:180 Resp: 160495
Ion Ratio Lower Upper
180 100
182 93.8 48.6 145.8
145 37.0 13.6 40.8

