

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082418\
 Data File : VD059906.D
 Acq On : 24 Aug 2018 14:54
 Operator : JC/SY
 Sample : J4559-11MSD
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Aug 24 22:43:02 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	65520	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	104298	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	88542	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	36730	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	55301	100.14	ug/l	-0.03
Spiked Amount			Recovery	=	200.28%	
35) Dibromofluoromethane	6.30	113	50117	61.29	ug/l	-0.03
Spiked Amount			Recovery	=	122.58%	
50) Toluene-d8	9.44	98	119049	52.46	ug/l	-0.03
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.42	95	47789	51.85	ug/l	-0.02
Spiked Amount			Recovery	=	103.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	29435	50.26	ug/l	93
3) Chloromethane	1.73	50	34631	65.27	ug/l	99
4) Vinyl Chloride	1.84	62	22327	53.67	ug/l	95
5) Bromomethane	2.15	94	15586	216.99	ug/l #	80
6) Chloroethane	2.24	64	12953	Below	Cal	91
7) Trichlorofluoromethane	2.50	101	30765	63.92	ug/l	94
8) Diethyl Ether	2.80	74	11529	106.77	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.07	101	15034	51.01	ug/l #	85
10) Methyl Iodide	3.22	142	15285	48.77	ug/l #	84
11) Tert butyl alcohol	3.94	59	51043	1211.37	ug/l	100
12) 1,1-Dichloroethene	3.06	96	14581	63.55	ug/l	95
13) Acrolein	2.96	56	13279	726.59	ug/l	99
14) Allyl chloride	3.51	41	42195	81.28	ug/l	97
15) Acrylonitrile	4.05	53	166518	1055.30	ug/l	99
16) Acetone	3.14	43	135767	1349.43	ug/l	98
17) Carbon Disulfide	3.30	76	37677	52.90	ug/l	100
18) Methyl Acetate	3.53	43	101967	485.49	ug/l	99
19) Methyl tert-butyl Ether	4.09	73	139241	107.27	ug/l	98
20) Methylene Chloride	3.70	84	57218	88.04	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	34987	55.34	ug/l	90
22) Diisopropyl ether	4.83	45	218978	82.71	ug/l	95
23) Vinyl Acetate	4.78	43	531800	359.34	ug/l	100
24) 1,1-Dichloroethane	4.73	63	77355	67.63	ug/l	98
25) 2-Butanone	5.60	43	357482	1199.70	ug/l	100
26) 2,2-Dichloropropane	5.57	77	55448	57.99	ug/l	95
27) cis-1,2-Dichloroethene	5.57	96	47366	68.43	ug/l	93
28) Bromochloromethane	5.90	49	49036	89.46	ug/l	99
29) Tetrahydrofuran	5.93	42	158615	1118.11	ug/l	99
30) Chloroform	6.08	83	81839	70.41	ug/l	97
31) Cyclohexane	6.35	56	29768	28.31	ug/l	96
32) 1,1,1-Trichloroethane	6.28	97	54479	55.22	ug/l	91
36) 1,1-Dichloropropene	6.50	75	41328	43.71	ug/l	96
37) Ethyl Acetate	5.67	43	97573	132.62	ug/l #	94
38) Carbon Tetrachloride	6.48	117	38988	40.86	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	14567	14.26	µg/l	93
40) Benzene	6.77	78	138000	56.13	µg/l	95
41) Methacrylonitrile	5.92	41	144858	390.87	µg/l #	80
42) 1,2-Dichloroethane	6.88	62	65420	82.89	µg/l	98
43) Isopropyl Acetate	8.34	43	102472	107.06	µg/l #	97
44) Trichloroethene	7.72	130	33634	46.47	µg/l	100
45) 1,2-Dichloropropane	8.08	63	41743	60.75	µg/l	99
46) Dibromomethane	8.20	93	39001	88.27	µg/l	98
47) Bromodichloromethane	8.47	83	66251	66.23	µg/l	98
48) Methyl methacrylate	8.23	41	77757	139.36	µg/l	94
49) 1,4-Dioxane	8.21	88	22210	4458.63	µg/l	96
51) 4-Methyl-2-Pentanone	9.32	43	671902	941.60	µg/l	94
52) Toluene	9.54	92	80800	51.26	µg/l	99
53) t-1,3-Dichloropropene	9.90	75	71503	77.29	µg/l	99
54) cis-1,3-Dichloropropene	9.08	75	70663	65.88	µg/l	96
55) 1,1,2-Trichloroethane	10.17	97	51792	89.88	µg/l	98
56) Ethyl methacrylate	10.02	69	64255	96.62	µg/l	95
57) 1,3-Dichloropropane	10.36	76	74728	89.60	µg/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	179124	561.47	µg/l	100
59) 2-Hexanone	10.47	43	509333	967.72	µg/l	96
60) Dibromochloromethane	10.63	129	54165	74.78	µg/l	95
61) 1,2-Dibromoethane	10.75	107	55020	94.43	µg/l	96
64) Tetrachloroethene	10.23	164	26401	38.56	µg/l	98
65) Chlorobenzene	11.30	112	89465	50.85	µg/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	36828	57.29	µg/l	96
67) Ethyl Benzene	11.42	91	127452	43.06	µg/l	95
68) m/p-Xylenes	11.55	106	94020	87.24	µg/l	90
69) o-Xylene	11.93	106	48767	46.26	µg/l	90
70) Styrene	11.95	104	90395	49.53	µg/l	95
71) Bromoform	12.10	173	47621	85.62	µg/l	97
73) Isopropylbenzene	12.26	105	87932	37.50	µg/l	100
74) N-amyl acetate	12.12	43	82841	80.69	µg/l	97
75) 1,1,2,2-Tetrachloroethane	12.55	83	82974	153.00	µg/l	96
76) 1,2,3-Trichloropropane	12.59	75	90003	157.66	µg/l	99
77) Bromobenzene	12.53	156	43815	67.40	µg/l	94
78) n-propylbenzene	12.63	91	103406	34.83	µg/l	98
79) 2-Chlorotoluene	12.69	91	79560	47.38	µg/l	96
80) 1,3,5-Trimethylbenzene	12.78	105	71229	38.21	µg/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	24269	136.67	µg/l	95
82) 4-Chlorotoluene	12.80	91	96990	50.64	µg/l	98
83) tert-Butylbenzene	13.04	119	70568	33.23	µg/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	81162	41.77	µg/l	99
85) sec-Butylbenzene	13.22	105	53787	21.54	µg/l	97
86) p-Isopropyltoluene	13.33	119	46104	22.70	µg/l	98
87) 1,3-Dichlorobenzene	13.30	146	53130	45.78	µg/l	99
88) 1,4-Dichlorobenzene	13.38	146	59635	51.50	µg/l	97
89) n-Butylbenzene	13.64	91	39795	17.88	µg/l	94
90) Hexachloroethane	13.85	117	9967	18.28	µg/l	96
91) 1,2-Dichlorobenzene	13.65	146	57528	58.30	µg/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	14346	172.05	µg/l	91

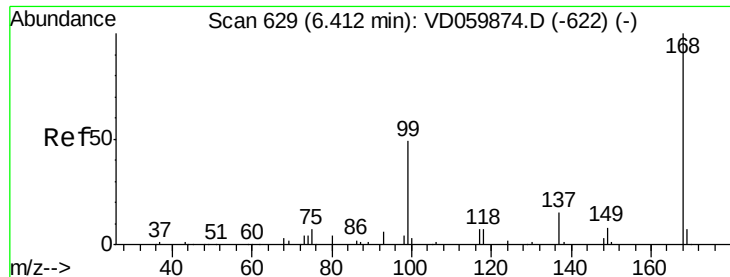
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD082418\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	21700	25.68	ug/l	97
94) Hexachlorobutadiene	14.87	225	4433	8.00	ug/l	98
95) Naphthalene	14.96	128	100495	77.83	ug/l	98
96) 1,2,3-Trichlorobenzene	15.11	180	21753	30.10	ug/l	95

(#) = 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: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

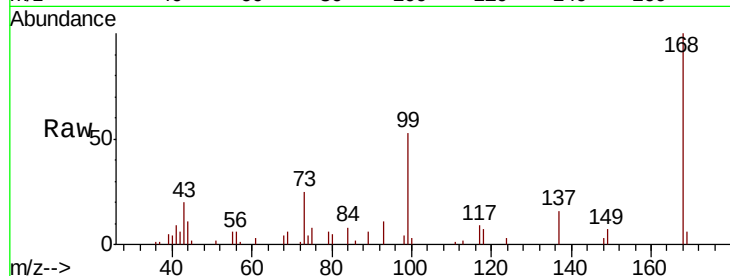
RA-081718-WSW-20-053MSD

Tot Ion:168 Resp: 65520

Ion Ratio Lower Upper

168 100

99 53.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.39

30000

25000

20000

15000

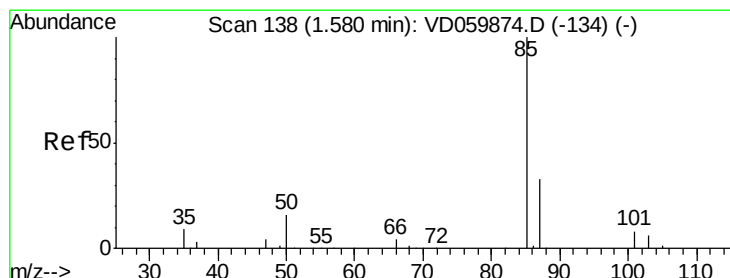
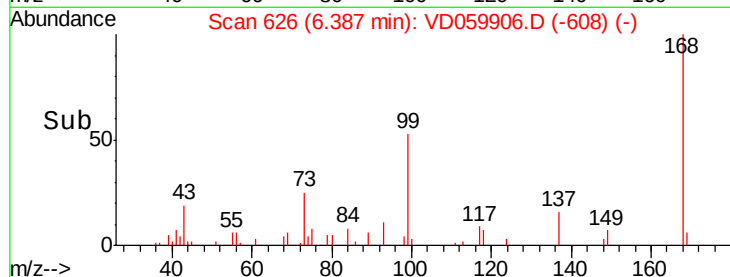
10000

5000

0

6.30 6.40 6.50

Time-->



#2

Dichlorodifluoromethane

Concen: 50.26 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059906.D

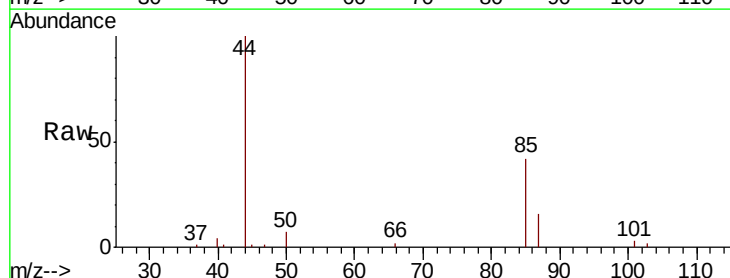
Acq: 24 Aug 2018 14:54

Tgt Ion: 85 Resp: 29435

Ion Ratio Lower Upper

85 100

87 37.7 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

15000

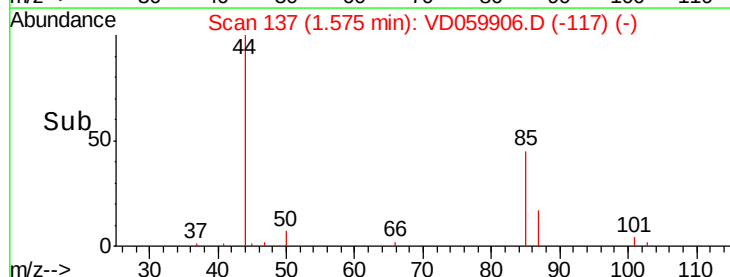
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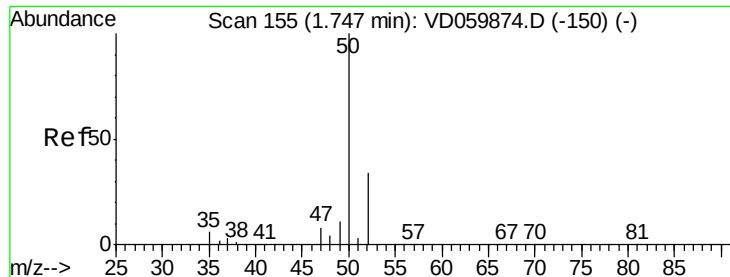
5000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 65.27 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

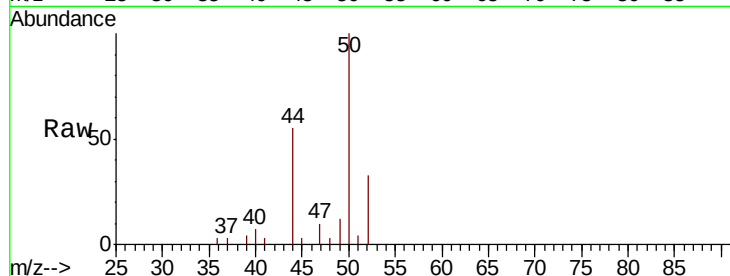
RA-081718-WSW-20-053MSD

Tot Ion: 50 Resp: 34631

Ion Ratio Lower Upper

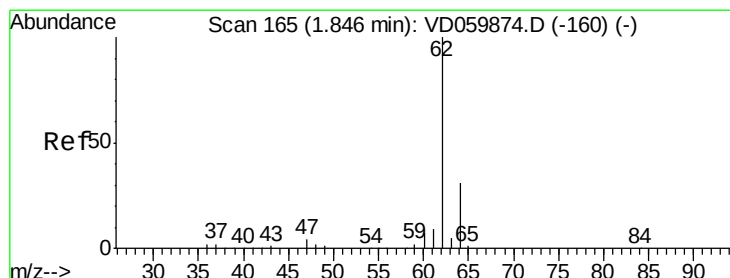
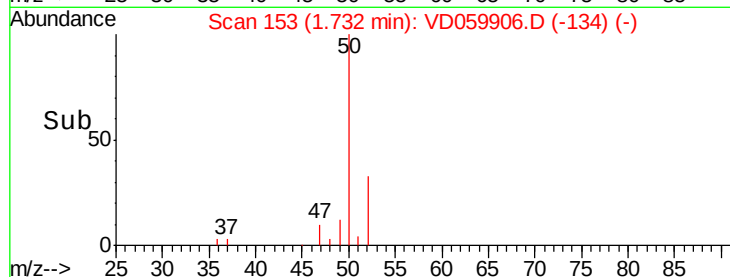
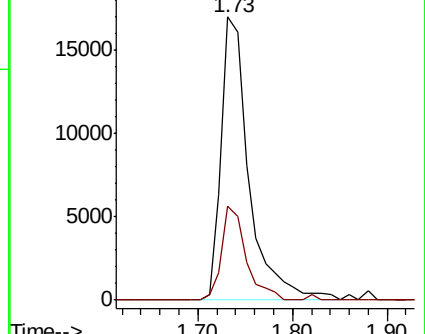
50 100

52 33.3 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 53.67 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059906.D

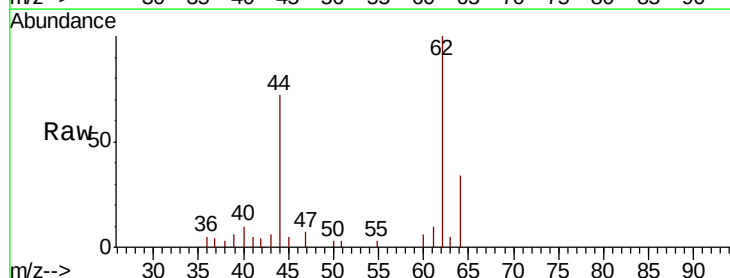
Acq: 24 Aug 2018 14:54

Tgt Ion: 62 Resp: 22327

Ion Ratio Lower Upper

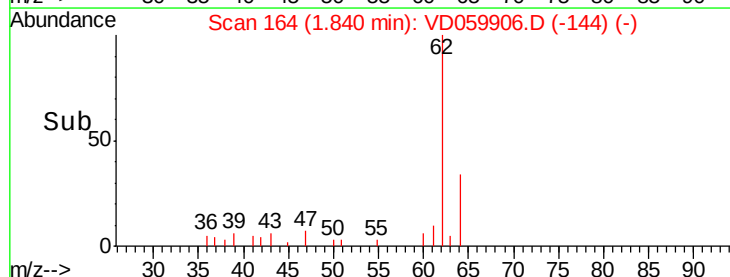
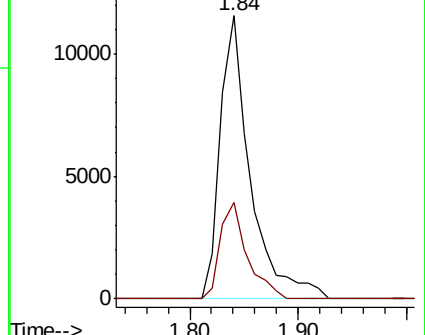
62 100

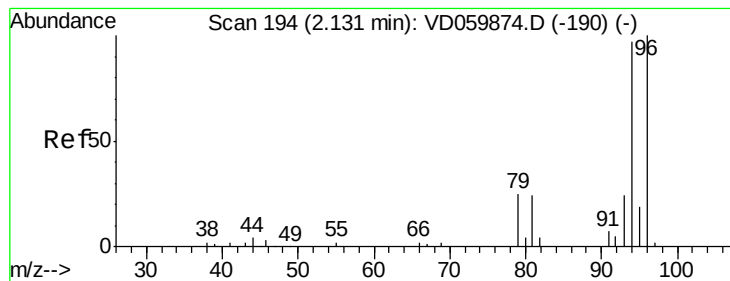
64 34.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 216.99 ug/l

RT: 2.15 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

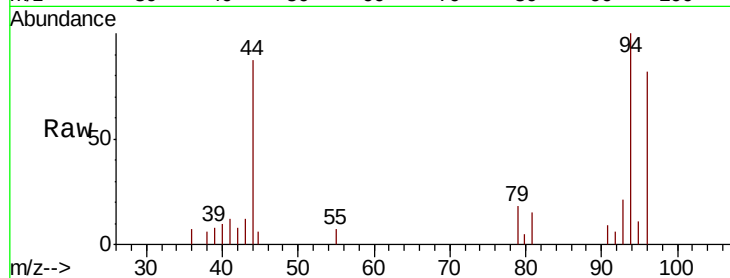
RA-081718-WSW-20-053MSD

Tot Ion: 94 Resp: 15586

Ion Ratio Lower Upper

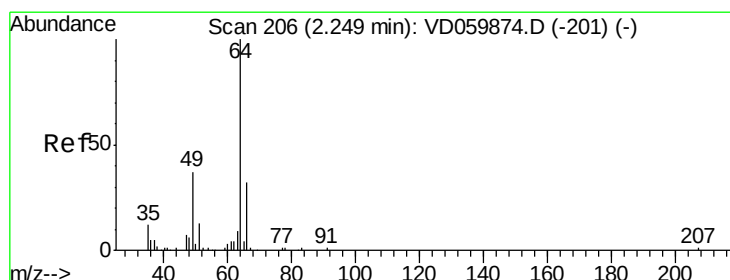
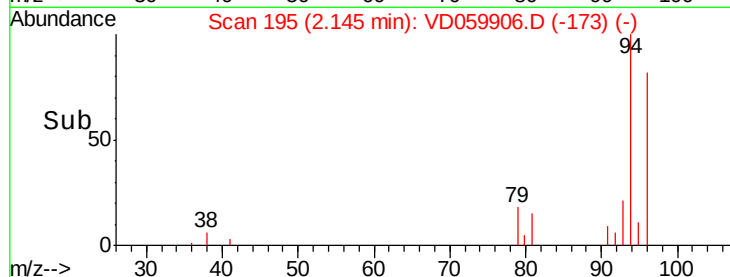
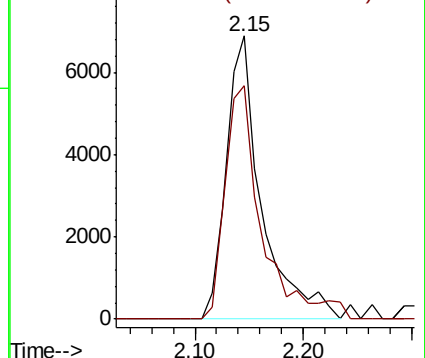
94 100

96 82.4 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: Below Cal

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059906.D

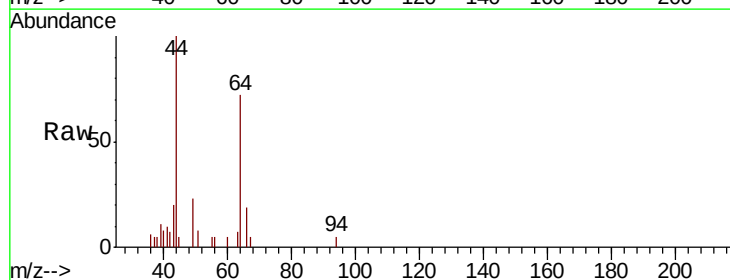
Acq: 24 Aug 2018 14:54

Tgt Ion: 64 Resp: 12953

Ion Ratio Lower Upper

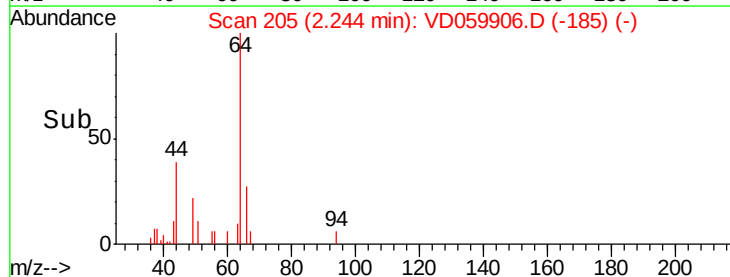
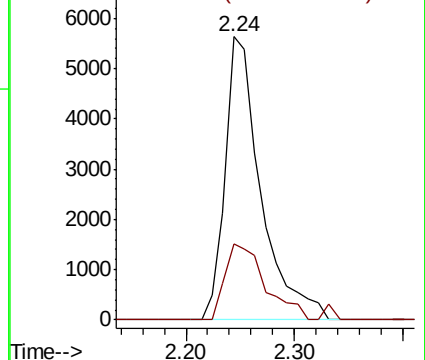
64 100

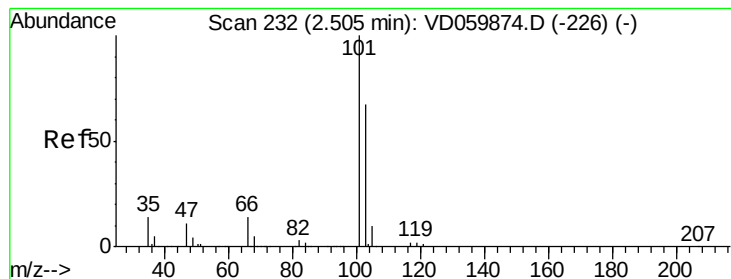
66 26.9 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



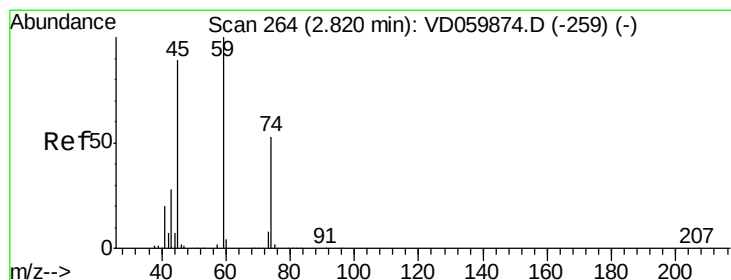
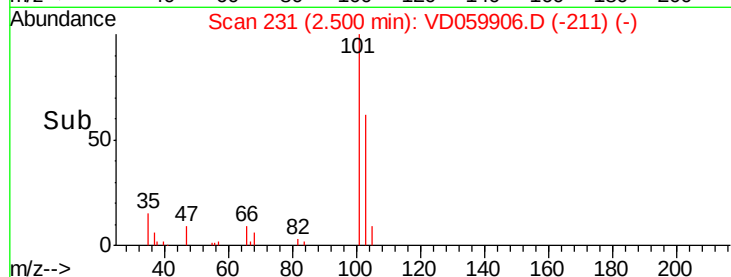
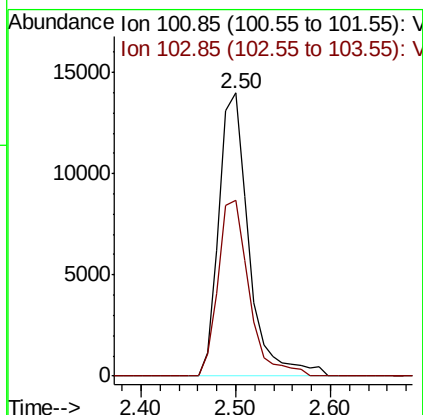
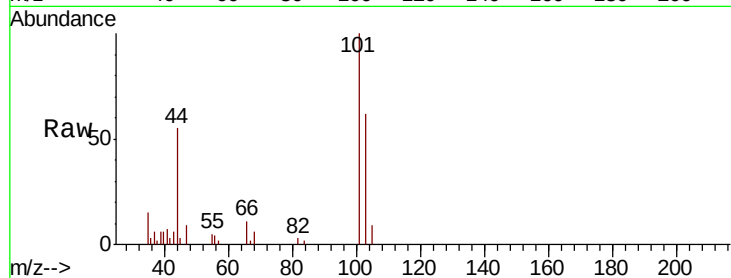


#7

Trichlorofluoromethane
 Concen: 63.92 ug/l
 RT: 2.50 min Scan# 231
 Delta R.T. -0.01 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

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

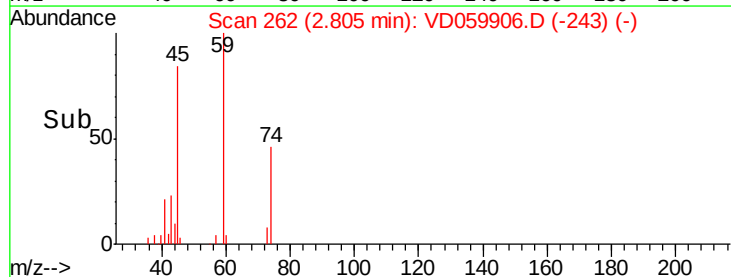
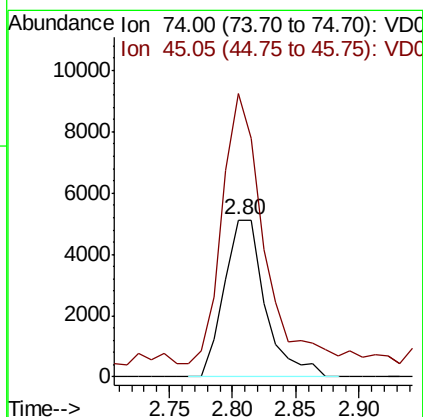
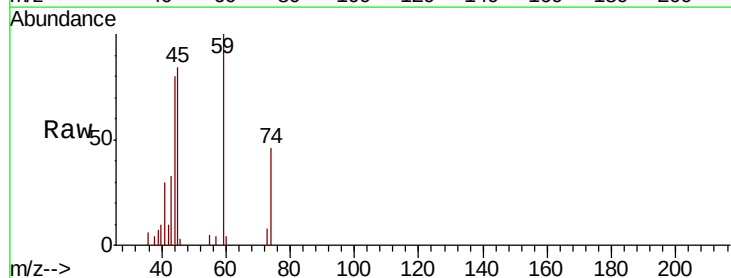
Tot Ion:101 Resp: 30765
 Ion Ratio Lower Upper
 101 100
 103 62.3 53.7 80.5

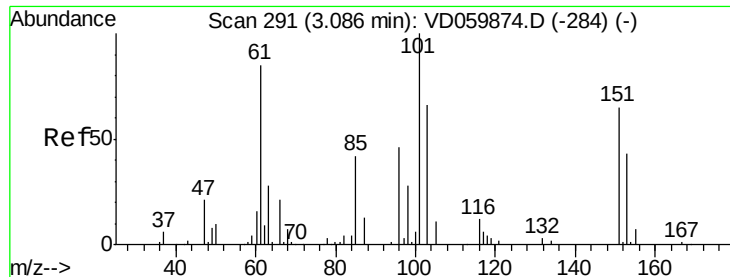


#8

Diethyl Ether
 Concen: 106.77 ug/l
 RT: 2.80 min Scan# 262
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 74 Resp: 11529
 Ion Ratio Lower Upper
 74 100
 45 180.0 85.7 257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.01 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

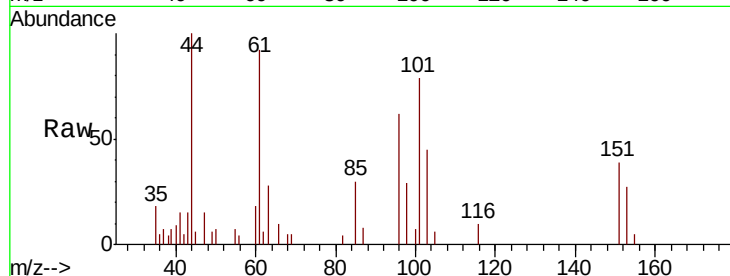
Tot Ion:101 Resp: 15034

Ion Ratio Lower Upper

101 100

85 38.2 33.6 50.4

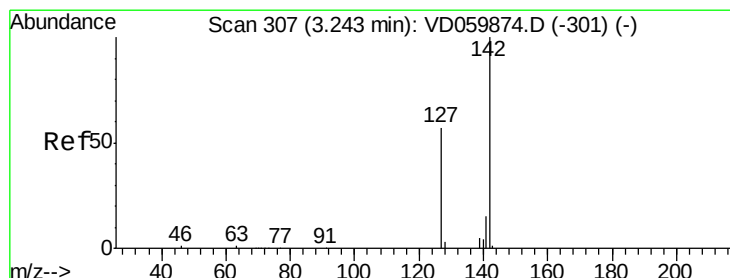
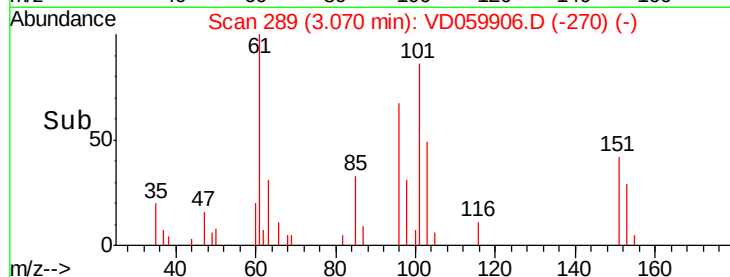
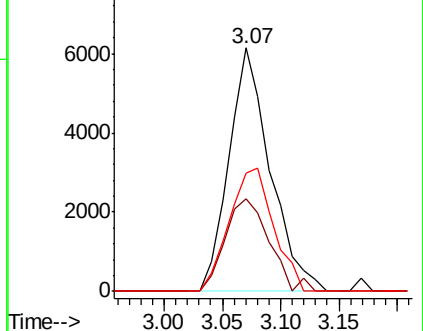
151 48.8 52.0 78.0#



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: 48.77 ug/l

RT: 3.22 min Scan# 304

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

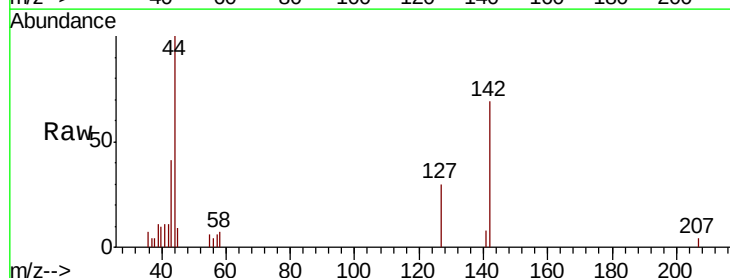
Tgt Ion:142 Resp: 15285

Ion Ratio Lower Upper

142 100

127 43.8 45.8 68.6#

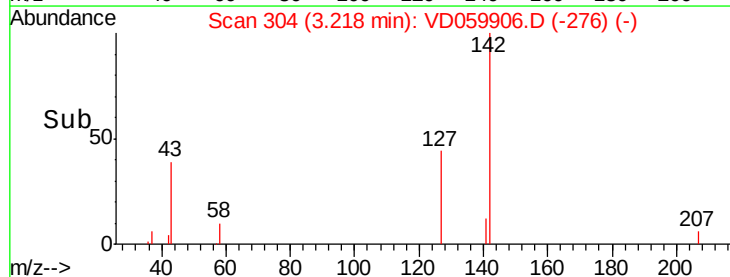
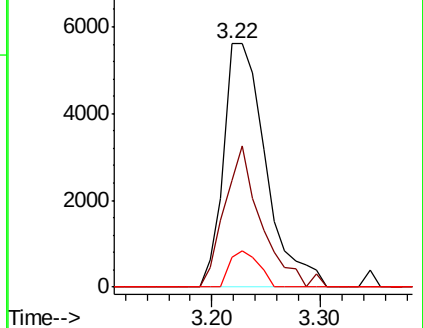
141 12.0 11.6 17.4

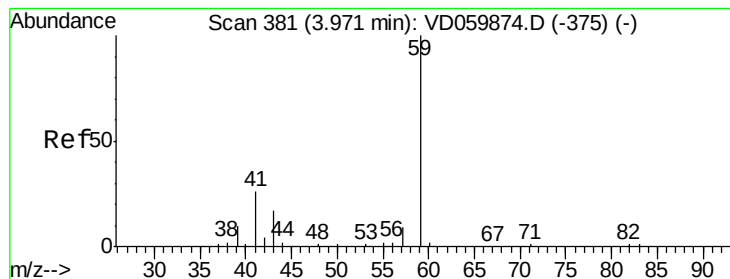


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



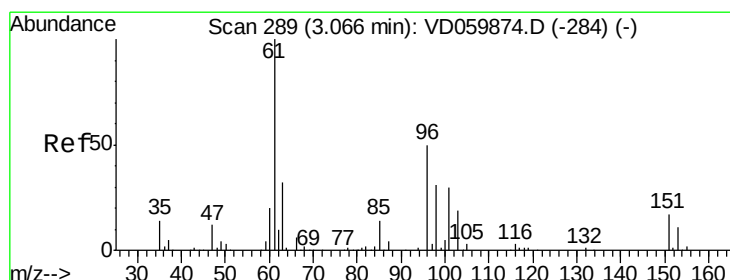
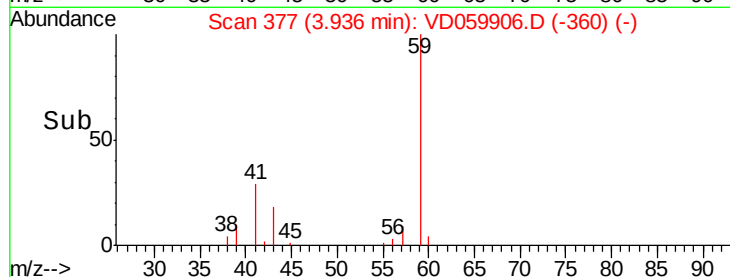
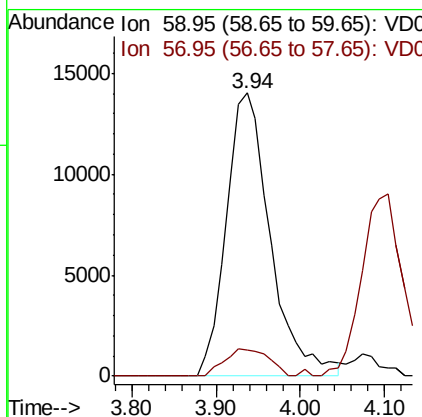
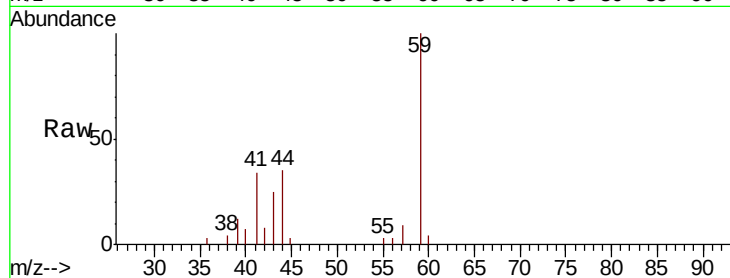


#11

Tert butyl alcohol
 Concen: 1211.37 ug/l
 RT: 3.94 min Scan# 377
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

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

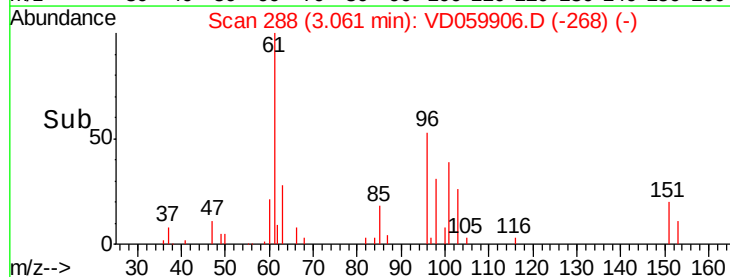
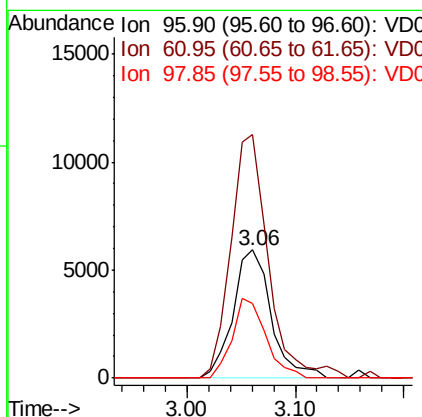
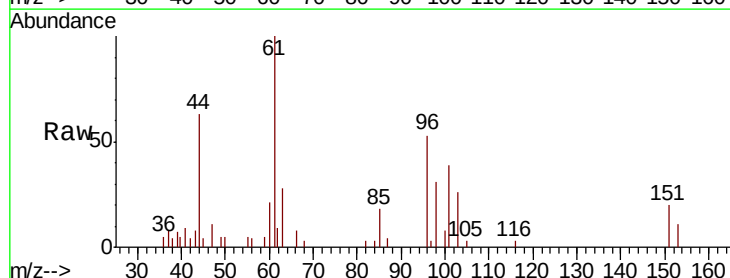
Tot Ion: 59 Resp: 51043
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.4 11.0

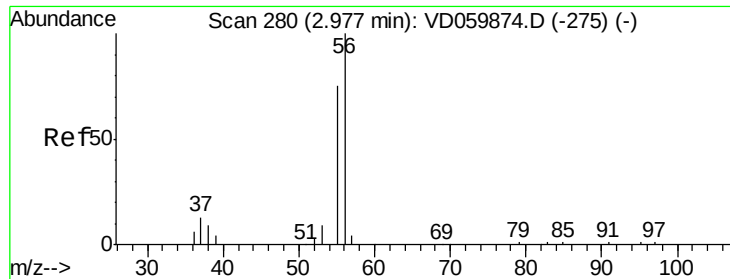


#12

1,1-Dichloroethene
 Concen: 63.55 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 96 Resp: 14581
 Ion Ratio Lower Upper
 96 100
 61 189.9 158.8 238.2
 98 57.9 48.7 73.1





#13

Acrolein

Concen: 726.59 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

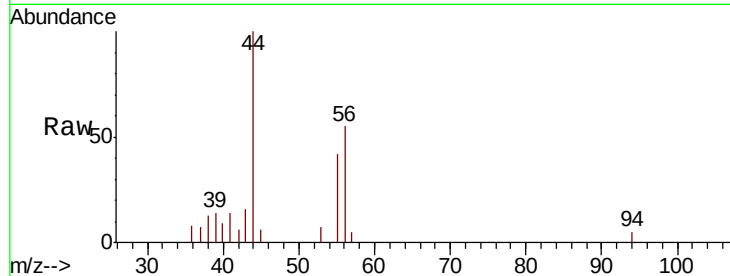
RA-081718-WSW-20-053MSD

Tot Ion: 56 Resp: 13279

Ion Ratio Lower Upper

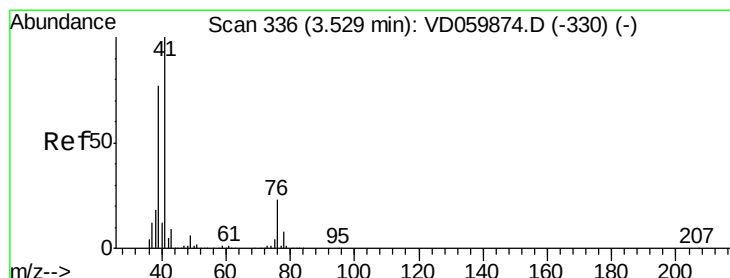
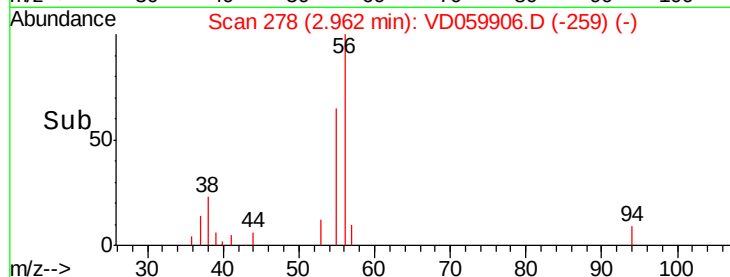
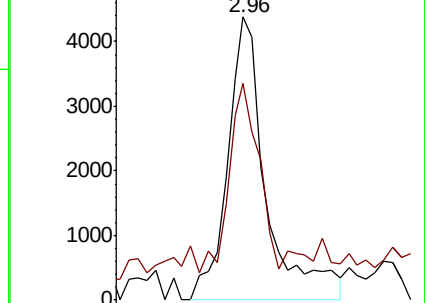
56 100

55 76.6 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 81.28 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

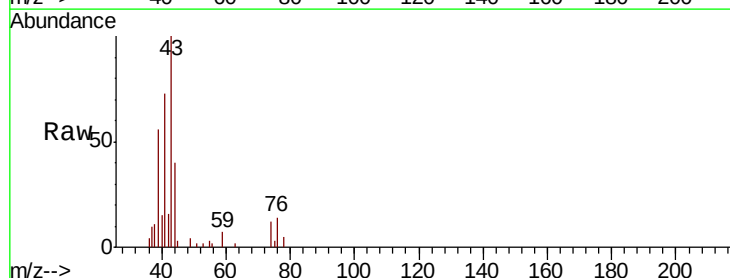
Tgt Ion: 41 Resp: 42195

Ion Ratio Lower Upper

41 100

39 76.3 61.8 92.6

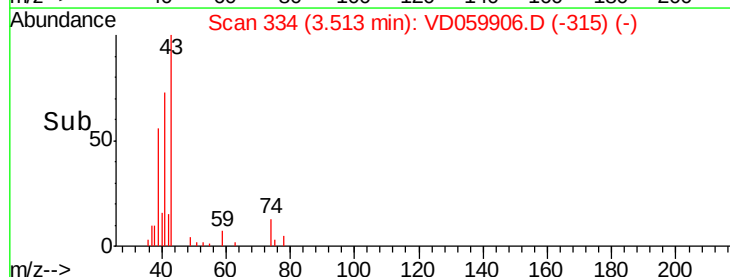
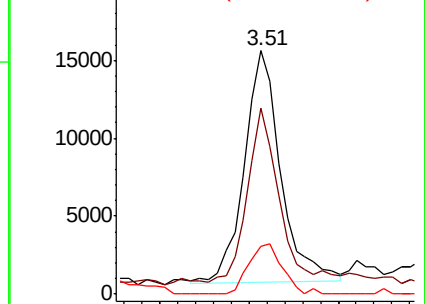
76 19.5 19.4 29.2

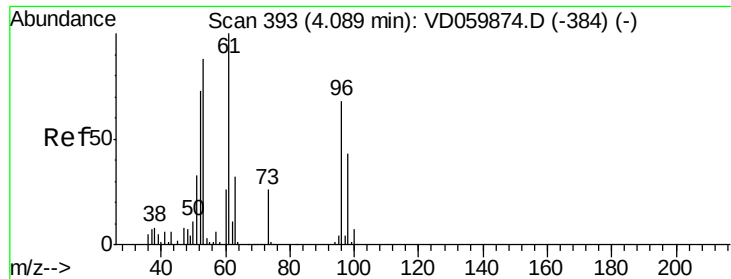


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 1055.30 ug/l

RT: 4.05 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

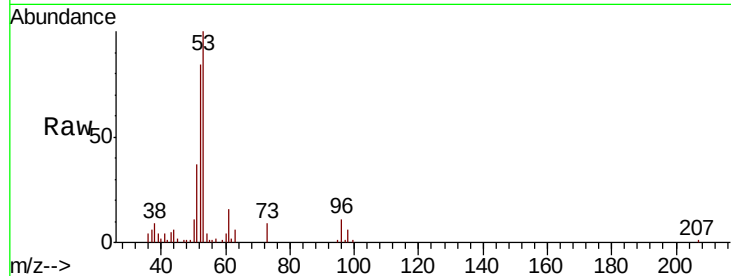
Tot Ion: 53 Resp: 166518

Ion Ratio Lower Upper

53 100

52 83.6 66.9 100.3

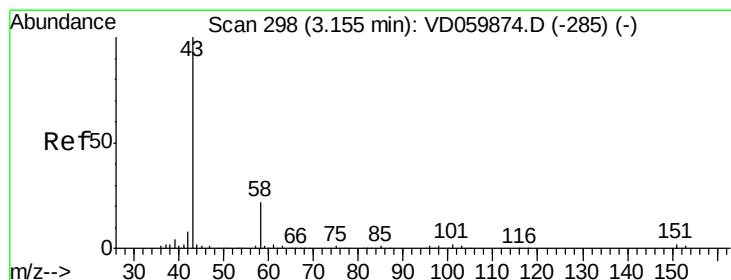
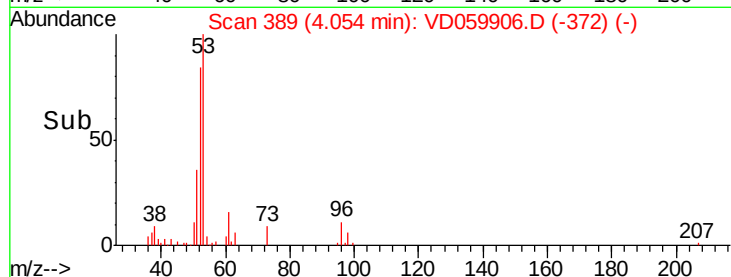
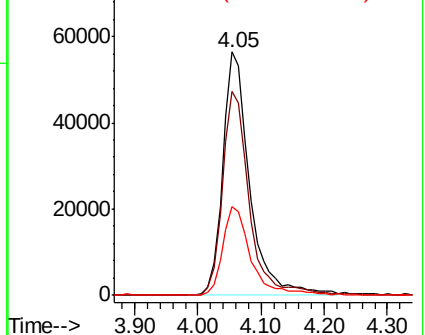
51 36.7 30.3 45.5



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: 1349.43 ug/l

RT: 3.14 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059906.D

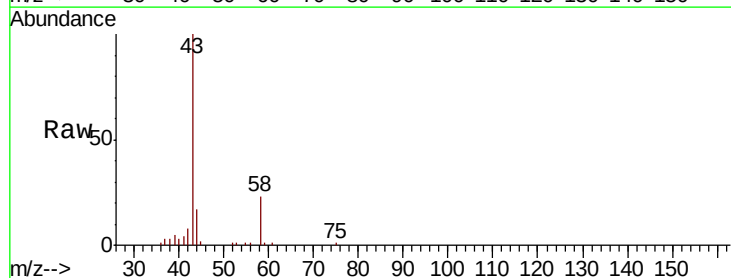
Acq: 24 Aug 2018 14:54

Tgt Ion: 43 Resp: 135767

Ion Ratio Lower Upper

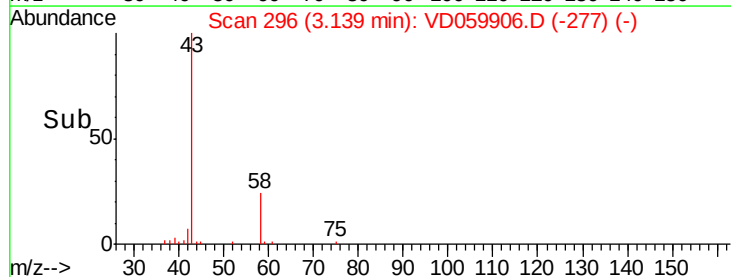
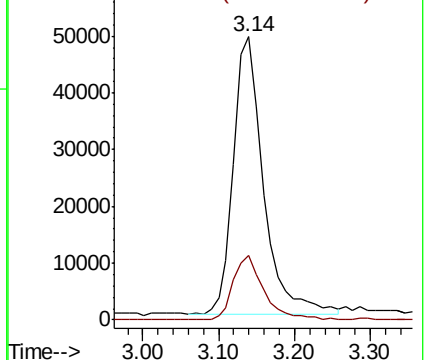
43 100

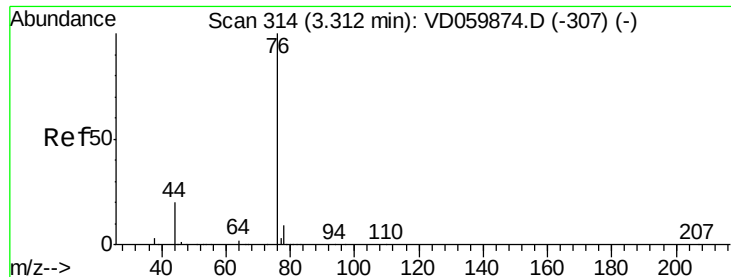
58 23.0 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

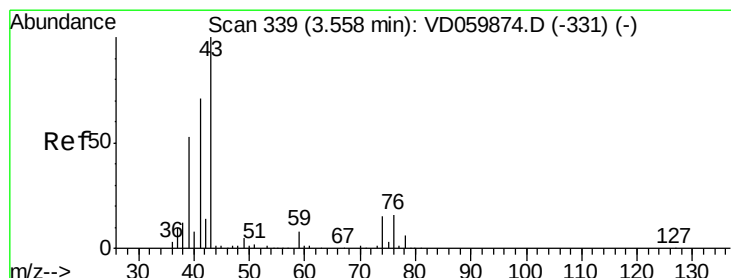
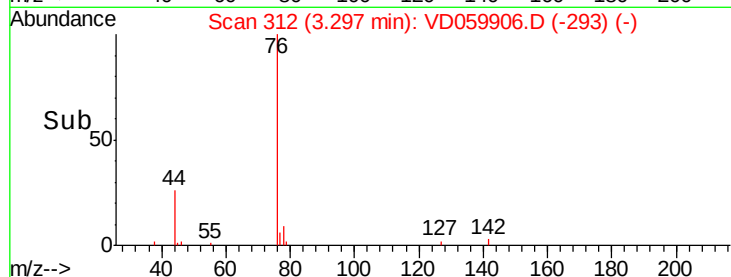
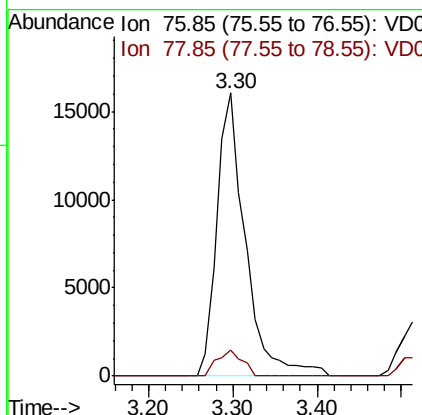
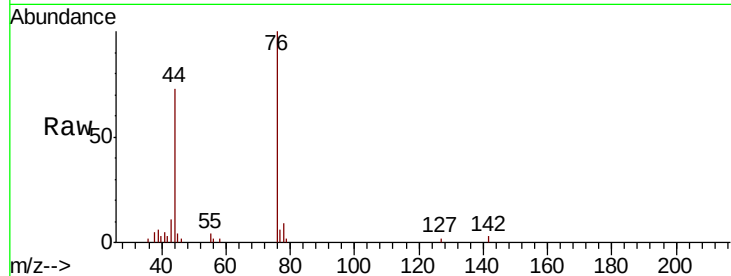




#17
Carbon Disulfide
Concen: 52.90 ug/l
RT: 3.30 min Scan# 312
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

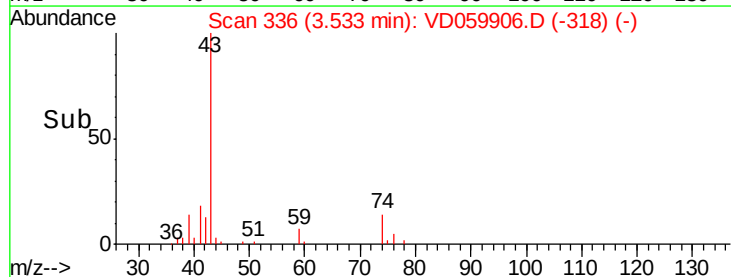
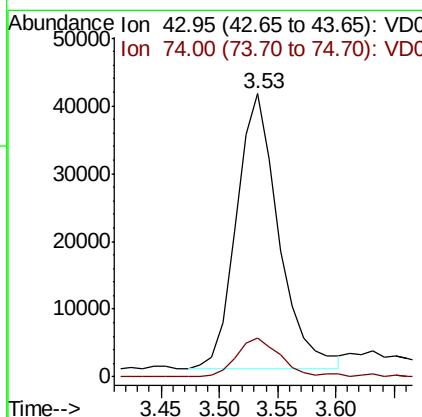
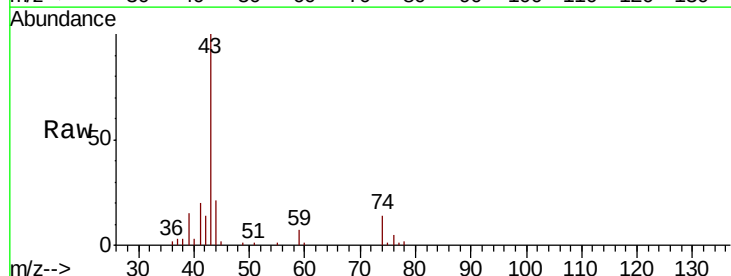
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

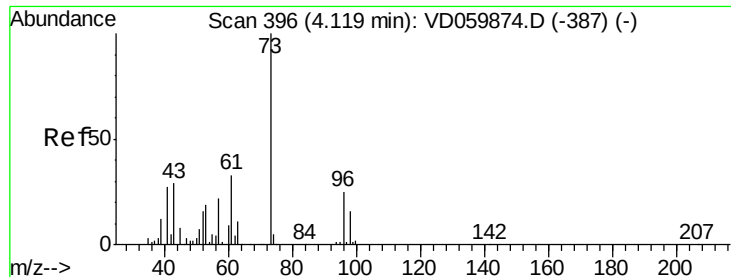
Tot Ion: 76 Resp: 37677
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2



#18
Methyl Acetate
Concen: 485.49 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion: 43 Resp: 101967
Ion Ratio Lower Upper
43 100
74 13.5 11.2 16.8



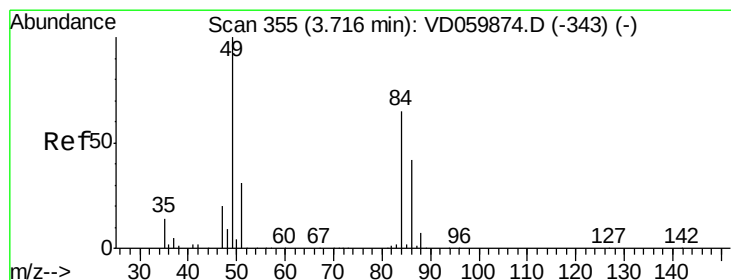
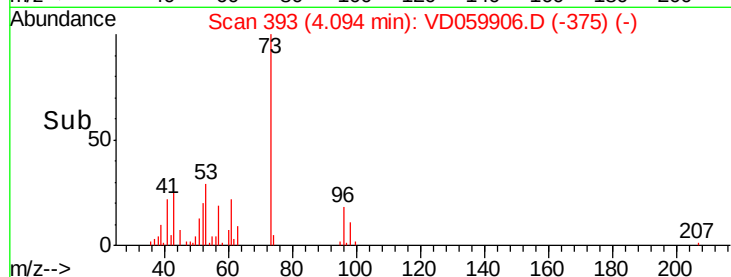
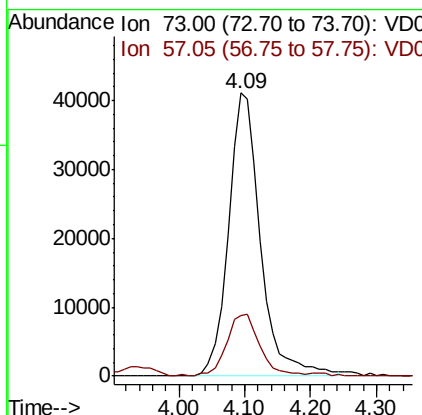
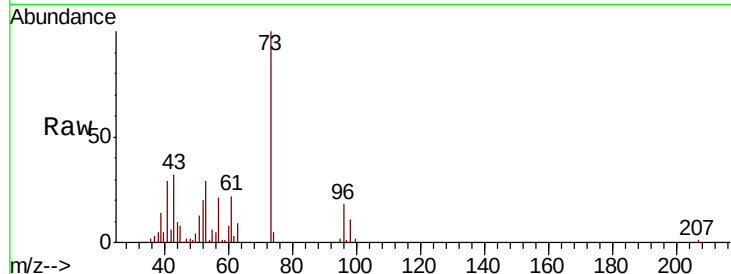


#19

Methyl tert-butyl Ether
 Concen: 107.27 ug/l
 RT: 4.09 min Scan# 393
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

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

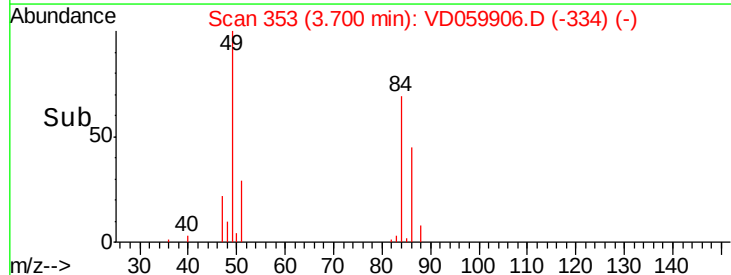
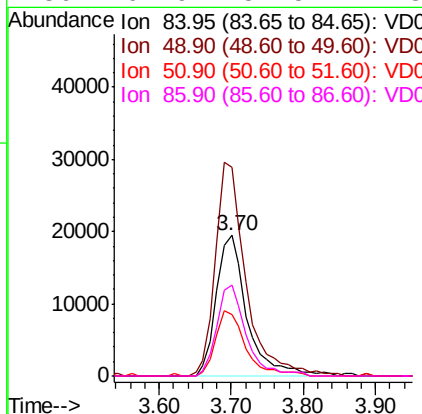
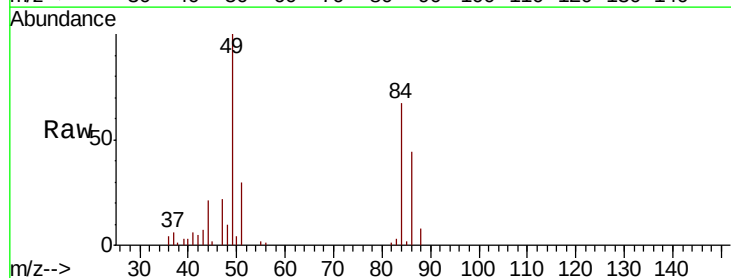
Tot Ion: 73 Resp: 139241
 Ion Ratio Lower Upper
 73 100
 57 21.4 17.9 26.9

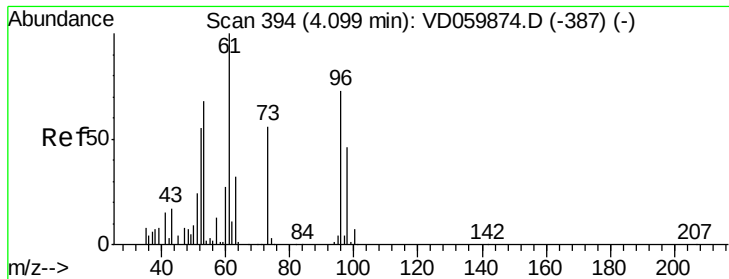


#20

Methylene Chloride
 Concen: 88.04 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 84 Resp: 57218
 Ion Ratio Lower Upper
 84 100
 49 148.9 122.6 183.8
 51 44.2 38.4 57.6
 86 64.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 55.34 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

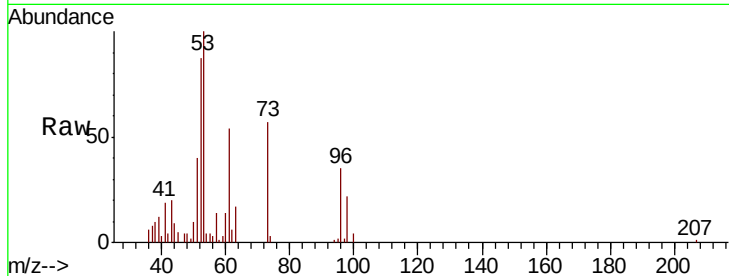
Tot Ion: 96 Resp: 34987

Ion Ratio Lower Upper

96 100

61 153.8 110.2 165.4

98 61.4 50.9 76.3

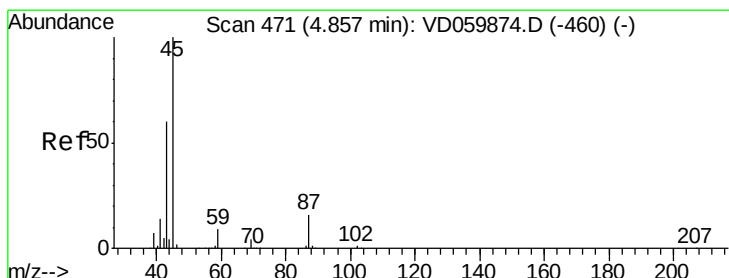
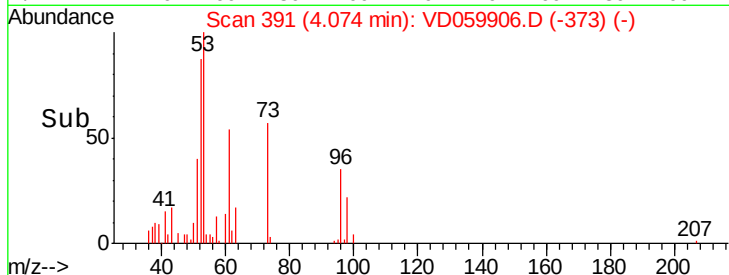
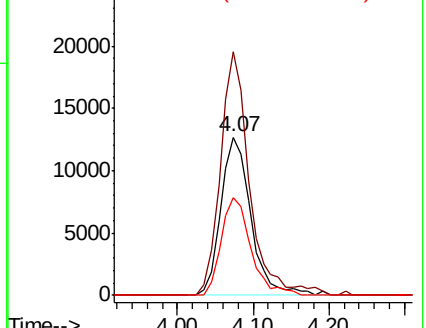


Abundance

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: 82.71 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Tgt Ion: 45 Resp: 218978

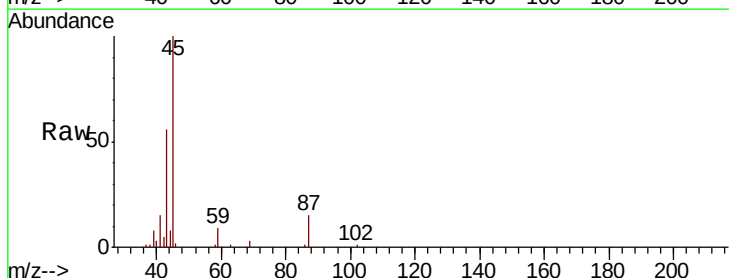
Ion Ratio Lower Upper

45 100

43 55.8 48.6 72.8

87 14.9 13.3 19.9

59 8.9 7.1 10.7



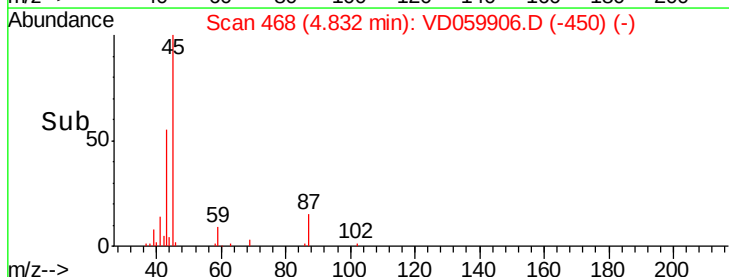
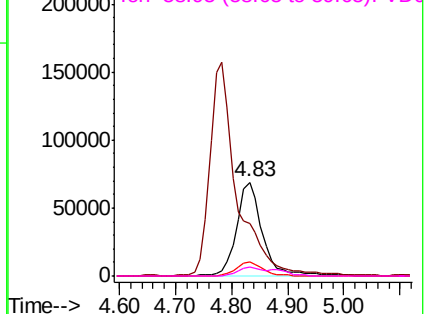
Abundance

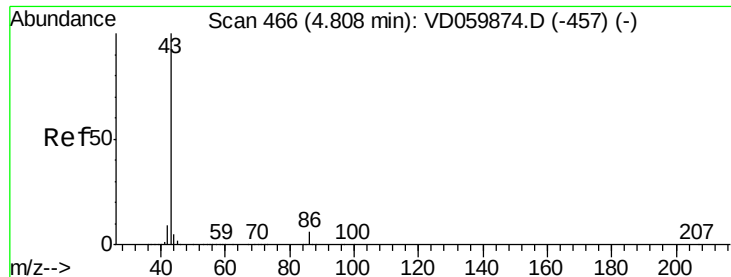
Ion 45.05 (44.75 to 45.75): VDC

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: 359.34 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

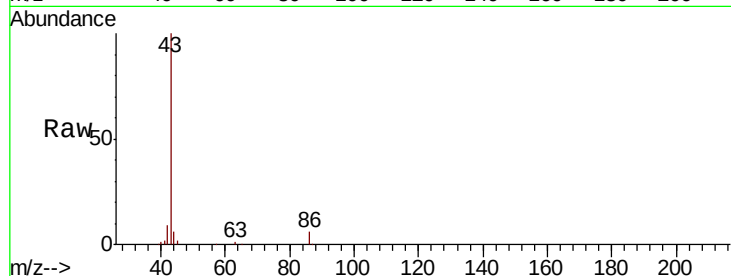
RA-081718-WSW-20-053MSD

Tot Ion: 43 Resp: 531800

Ion Ratio Lower Upper

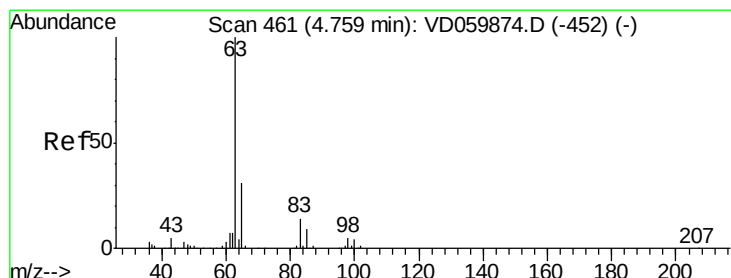
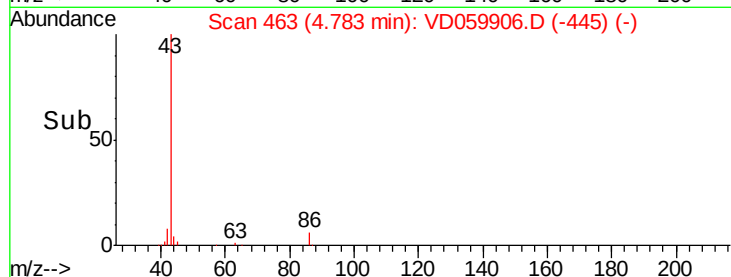
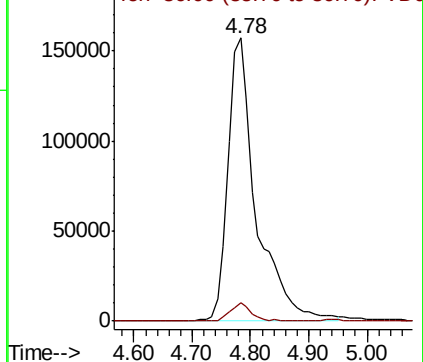
43 100

86 6.4 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: 67.63 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

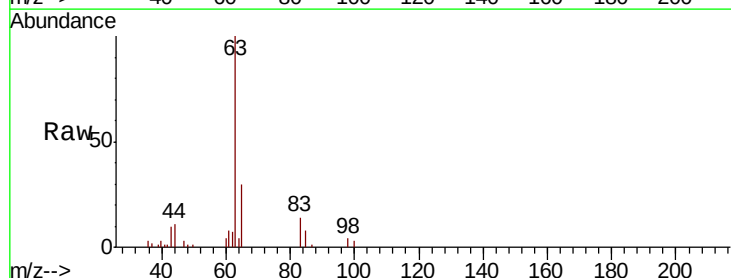
Tgt Ion: 63 Resp: 77355

Ion Ratio Lower Upper

63 100

98 4.4 2.7 8.1

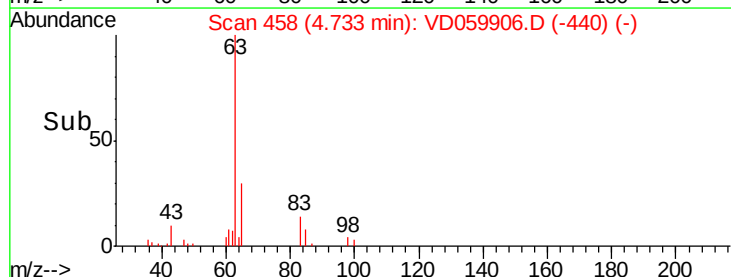
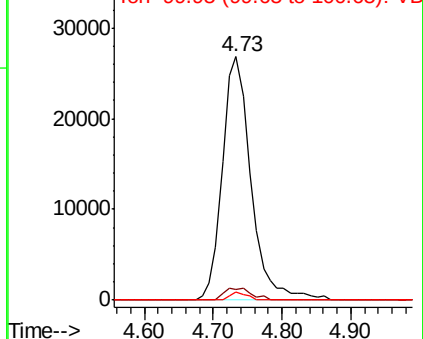
100 3.4 1.8 5.3

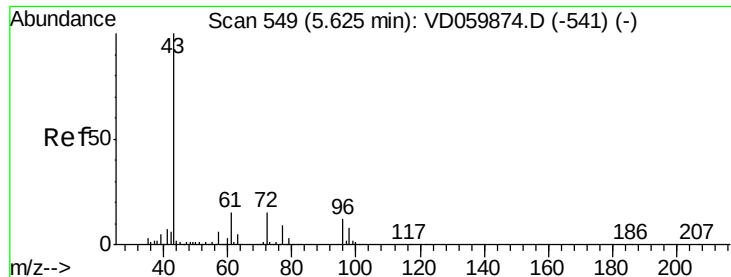


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 1199.70 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

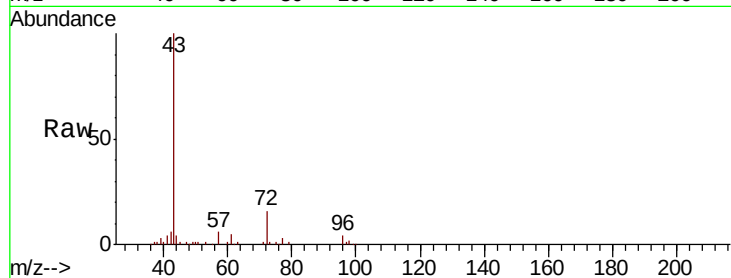
RA-081718-WSW-20-053MSD

Tot Ion: 43 Resp: 357482

Ion Ratio Lower Upper

43 100

72 15.6 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

150000

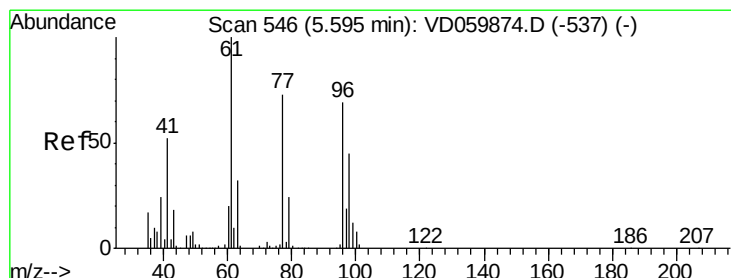
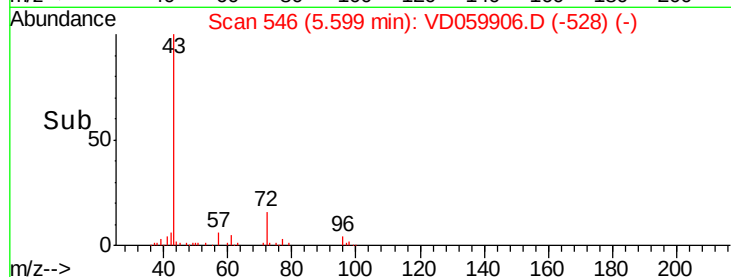
100000

50000

0

5.50 5.60 5.70

Time-->



#26

2,2-Dichloropropane

Concen: 57.99 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059906.D

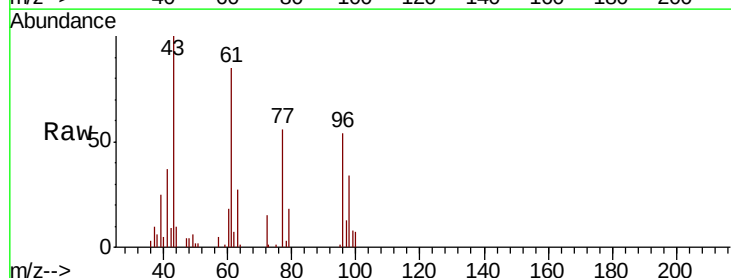
Acq: 24 Aug 2018 14:54

Tgt Ion: 77 Resp: 55448

Ion Ratio Lower Upper

77 100

97 23.5 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

20000

15000

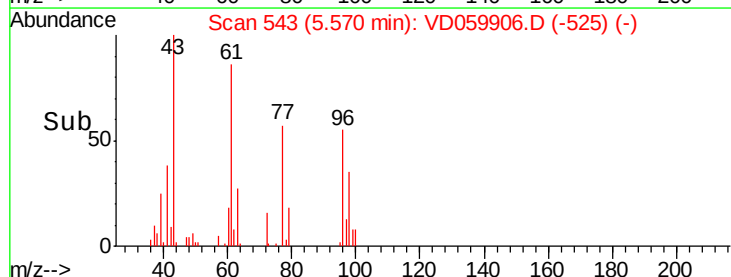
10000

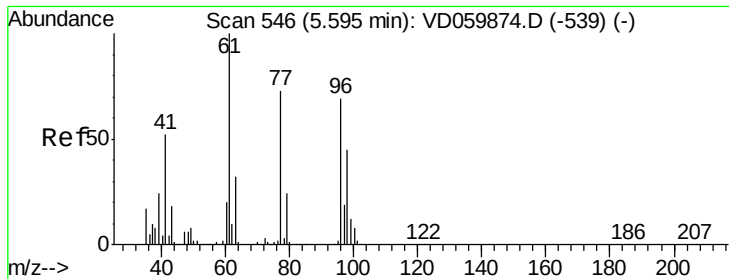
5000

0

5.50 5.60 5.70

Time-->



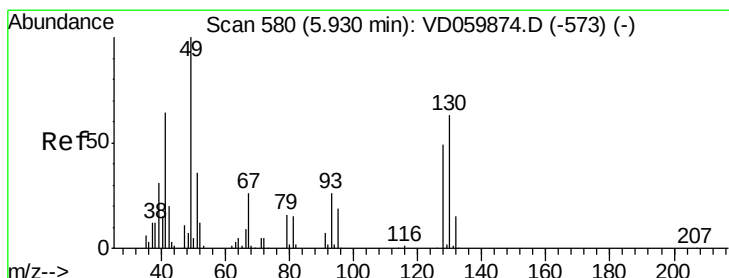
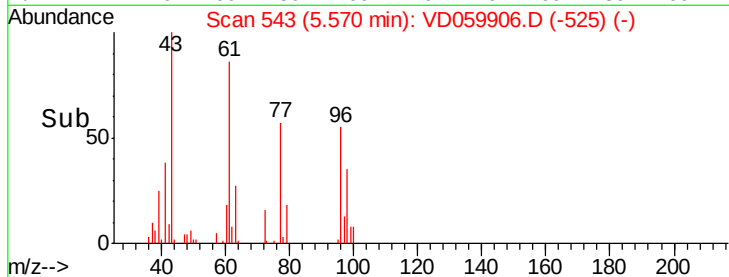
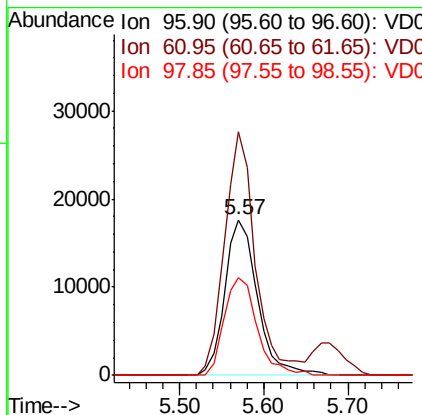
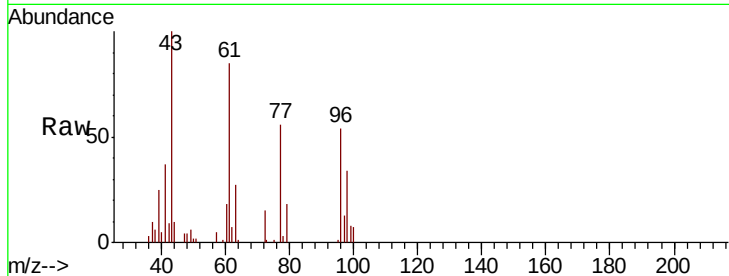


#27

cis-1,2-Dichloroethene
 Concen: 68.43 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

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

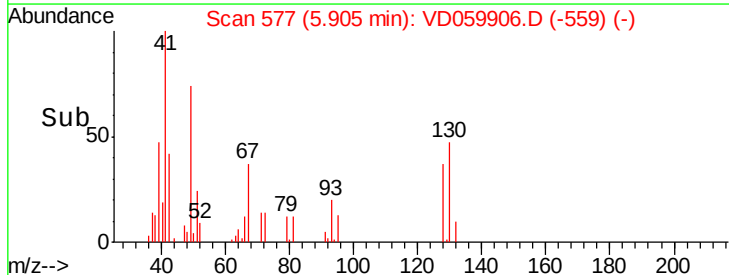
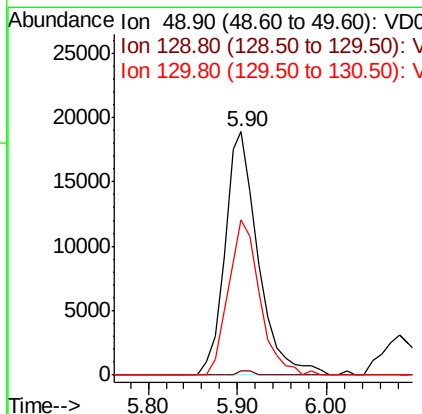
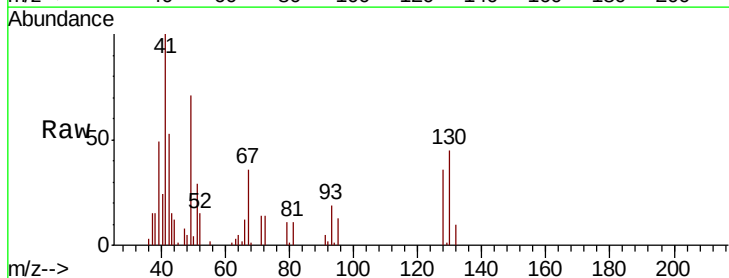
Tot Ion: 96 Resp: 47366
 Ion Ratio Lower Upper
 96 100
 61 156.8 0.0 290.2
 98 62.8 0.0 130.4

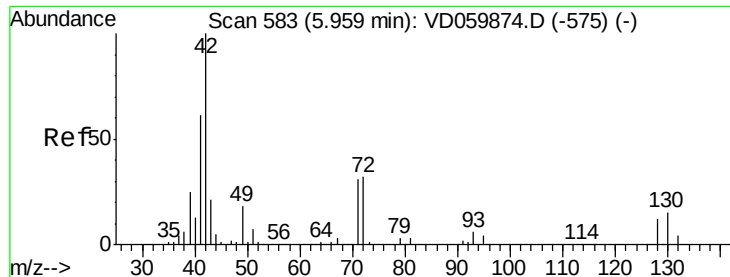


#28

Bromochloromethane
 Concen: 89.46 ug/l
 RT: 5.90 min Scan# 577
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 49 Resp: 49036
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 3.2
 130 64.0 50.6 75.8





#29

Tetrahydrofuran

Concen: 1118.11 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

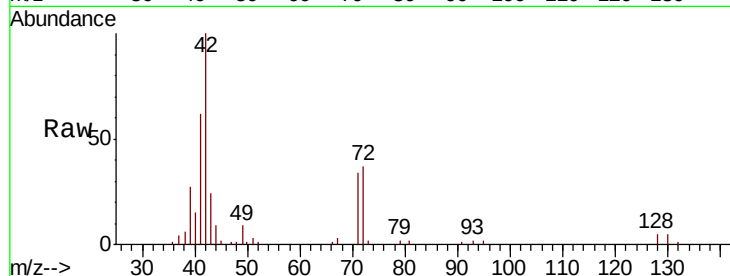
Tot Ion: 42 Resp: 158615

Ion Ratio Lower Upper

42 100

72 31.5 25.7 38.5

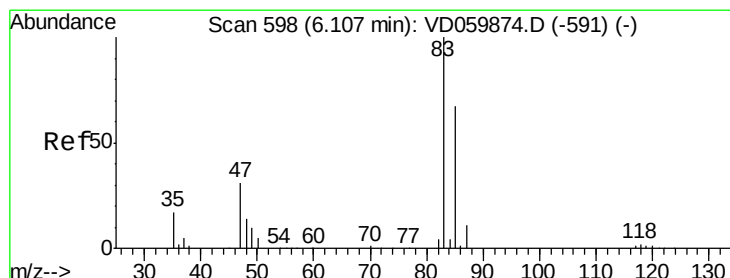
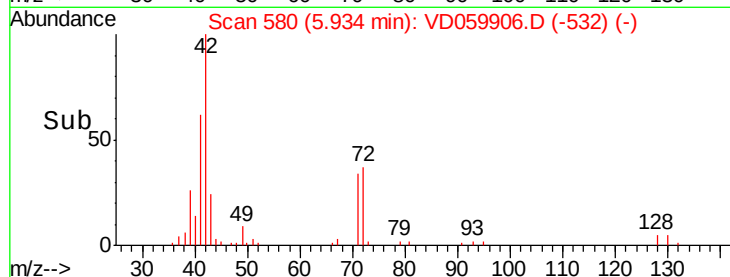
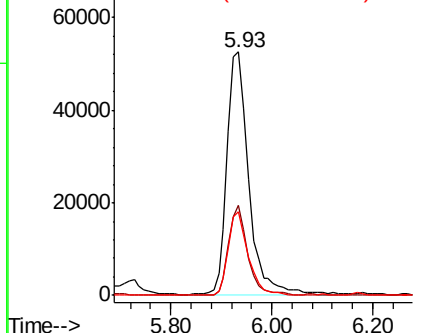
71 30.7 25.3 37.9



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 70.41 ug/l

RT: 6.08 min Scan# 595

Delta R.T. -0.03 min

Lab File: VD059906.D

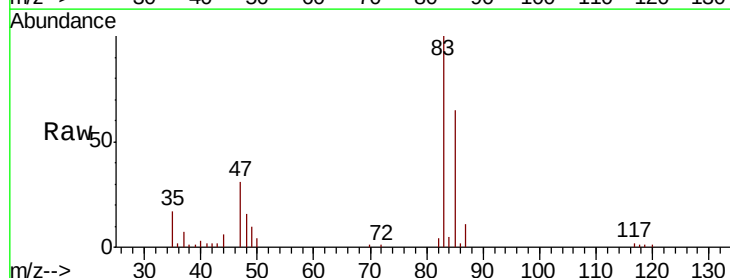
Acq: 24 Aug 2018 14:54

Tgt Ion: 83 Resp: 81839

Ion Ratio Lower Upper

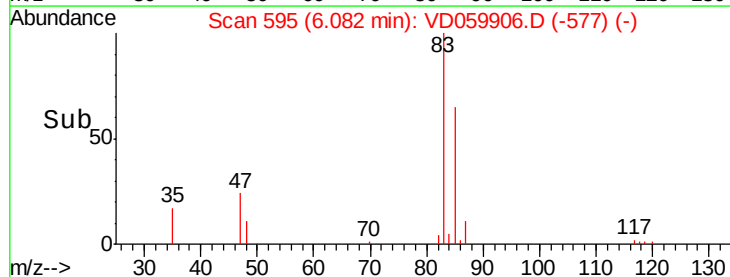
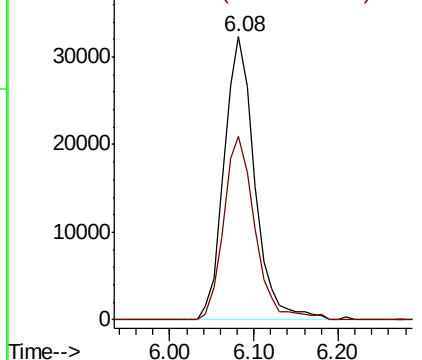
83 100

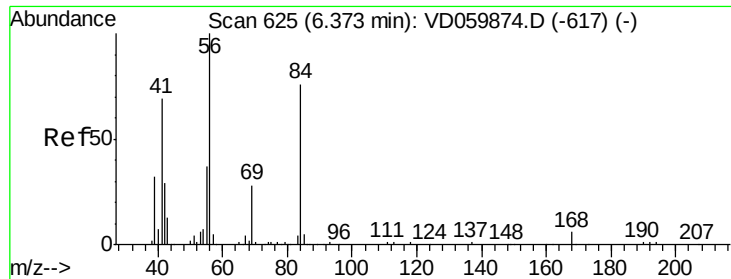
85 64.9 53.5 80.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

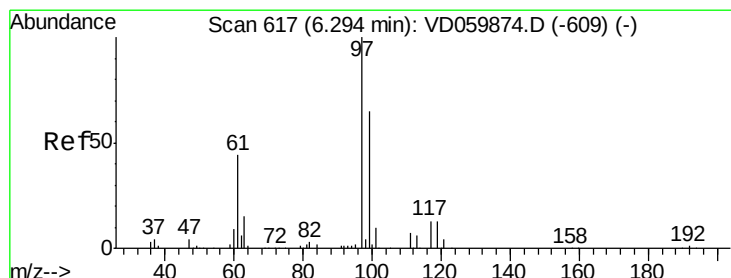
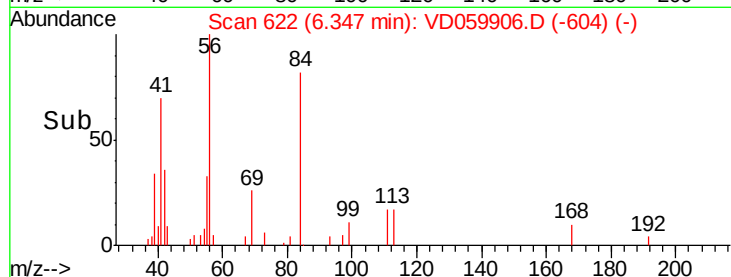
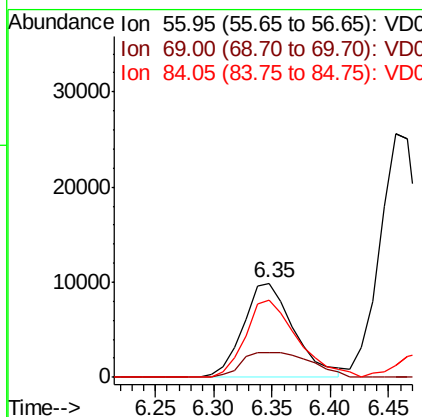
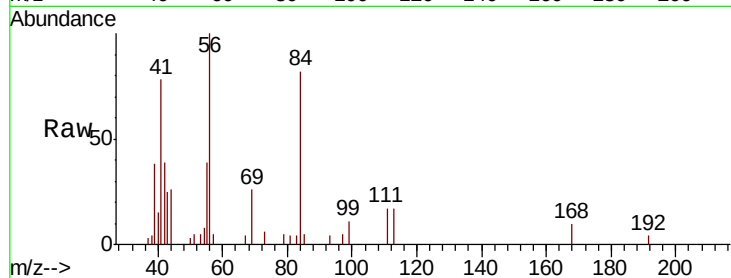




#31
Cyclohexane
Concen: 28.31 ug/l
RT: 6.35 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

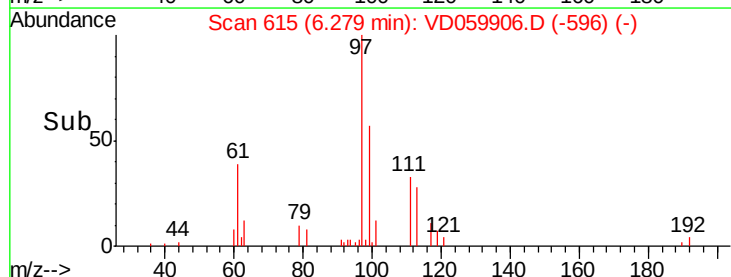
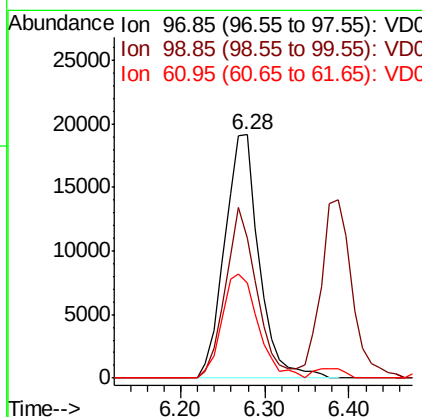
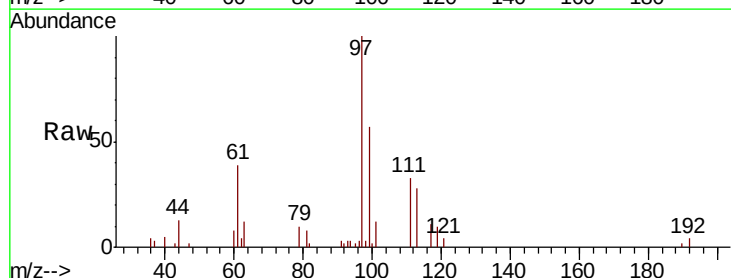
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

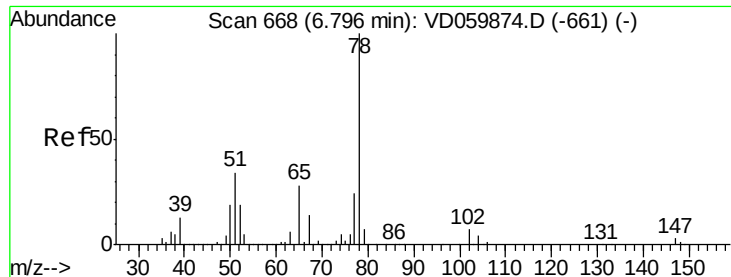
Tot Ion: 56 Resp: 29768
Ion Ratio Lower Upper
56 100
69 26.5 22.4 33.6
84 82.0 62.1 93.1



#32
1,1,1-Trichloroethane
Concen: 55.22 ug/l
RT: 6.28 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion: 97 Resp: 54479
Ion Ratio Lower Upper
97 100
99 57.2 51.7 77.5
61 38.8 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 55.22 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

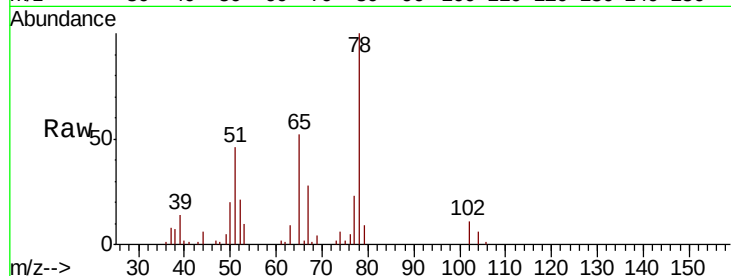
RA-081718-WSW-20-053MSD

Tot Ion: 65 Resp: 55301

Ion Ratio Lower Upper

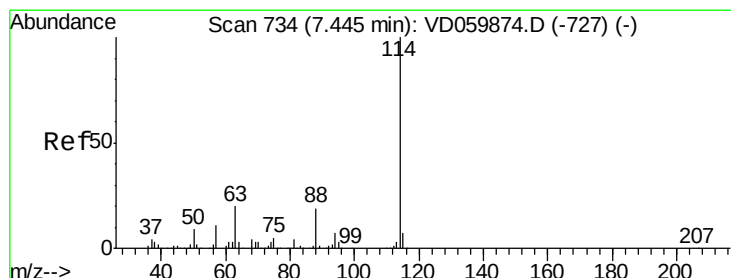
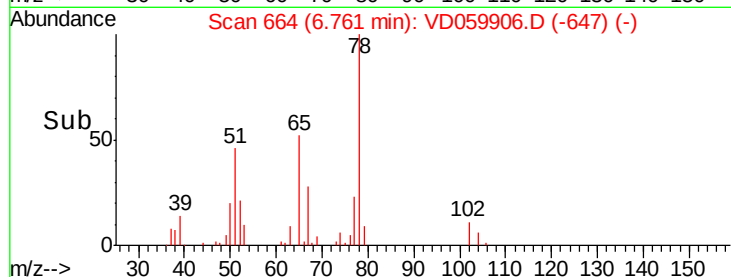
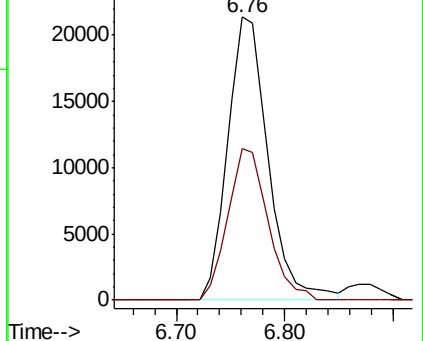
65 100

67 53.5 0.0 103.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

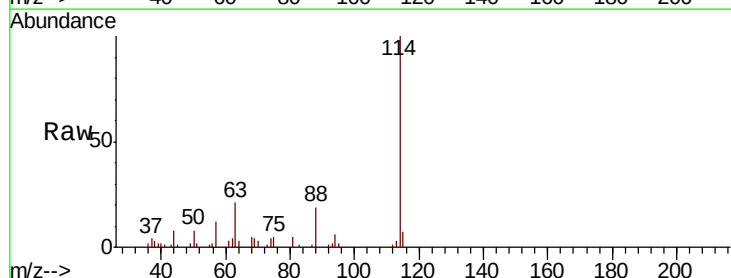
Tgt Ion: 114 Resp: 104298

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.4

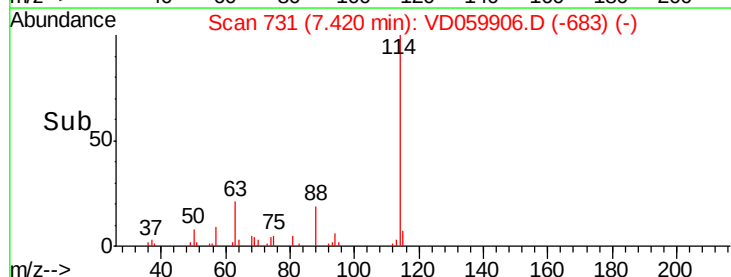
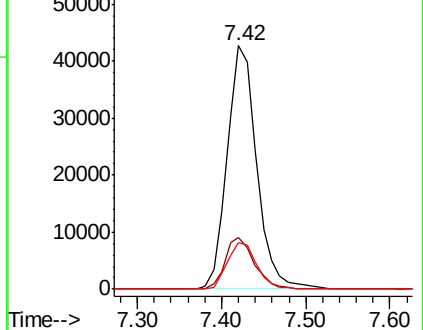
88 19.1 0.0 37.6

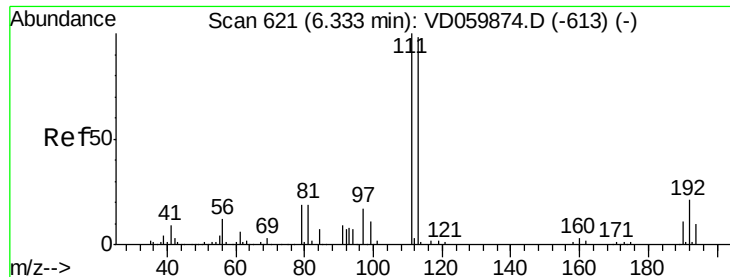


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

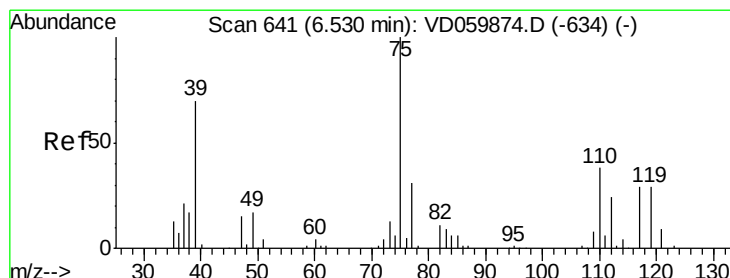
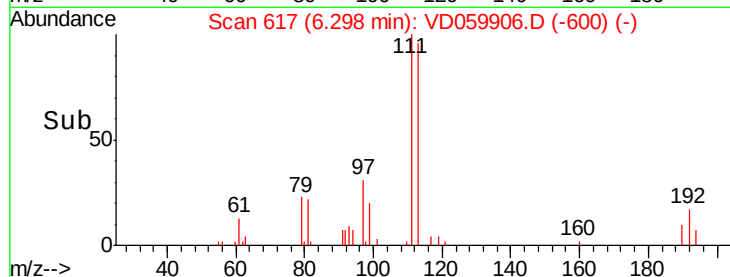
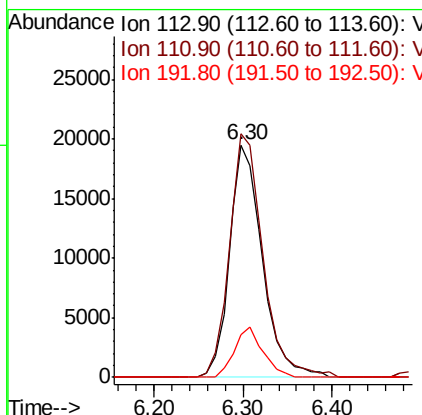
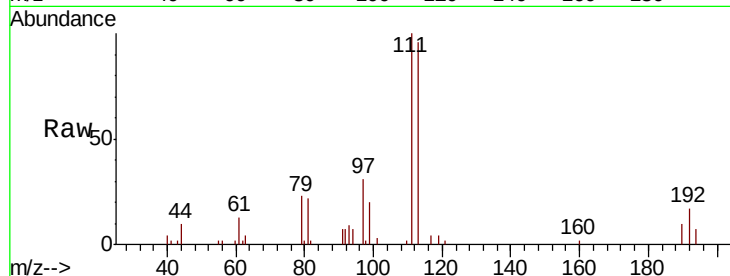




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

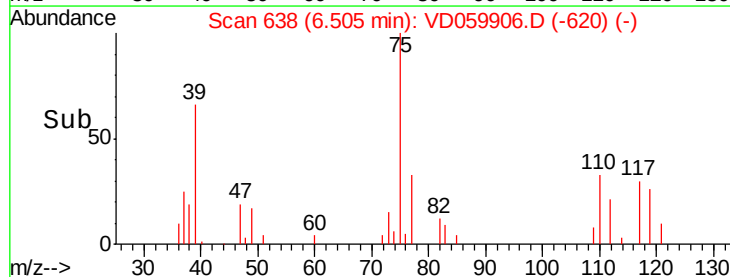
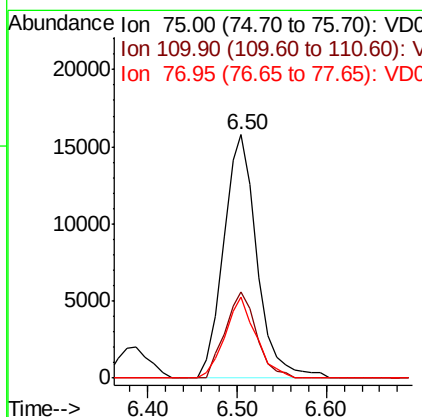
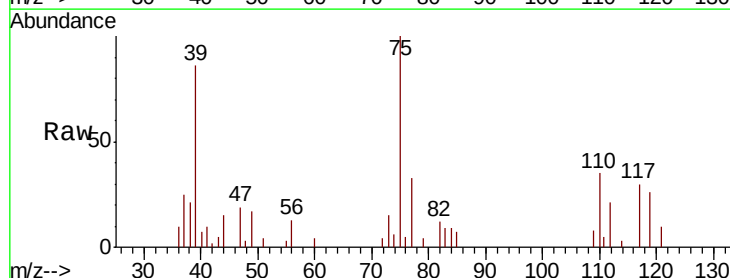
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

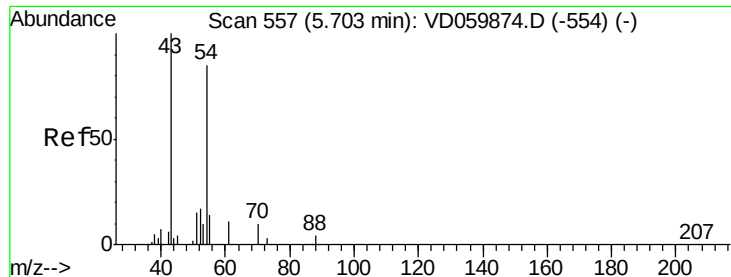
Tot Ion:113 Resp: 50117
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.4 122.2
 192 18.2 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 43.71 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 75 Resp: 41328
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.6 56.0
 77 33.4 25.1 37.7

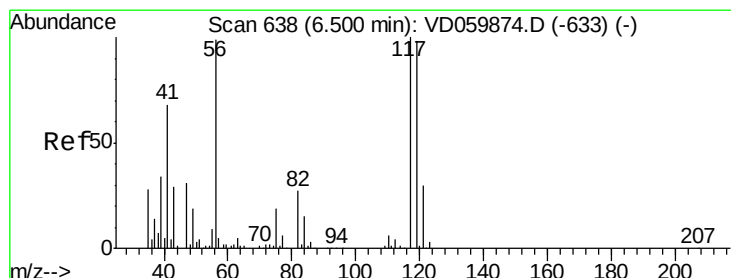
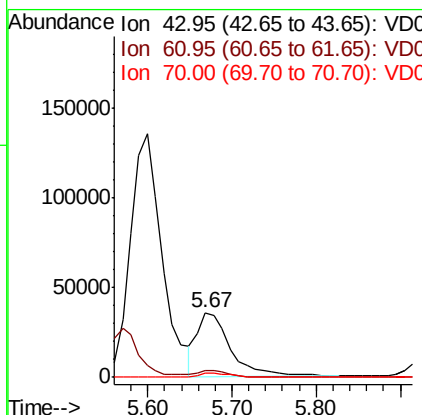
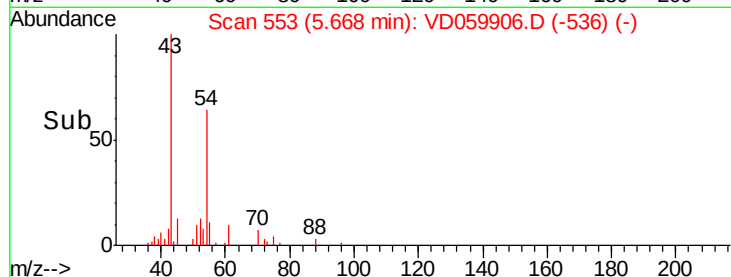
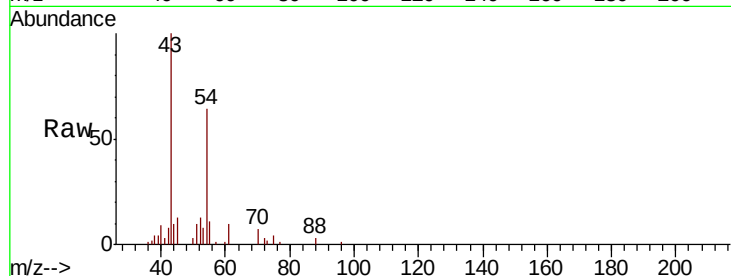




#37
Ethyl Acetate
Concen: 132.62 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

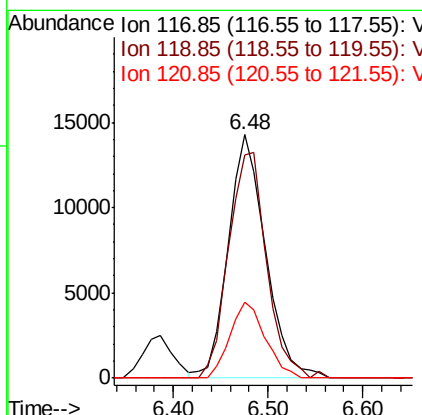
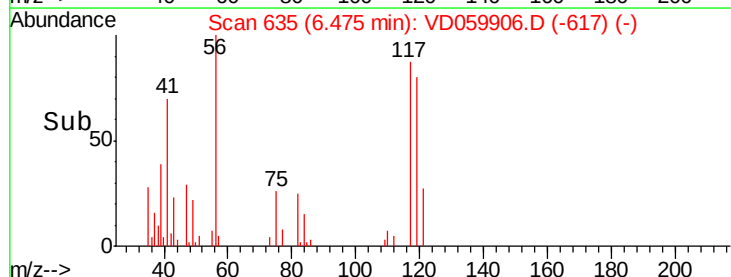
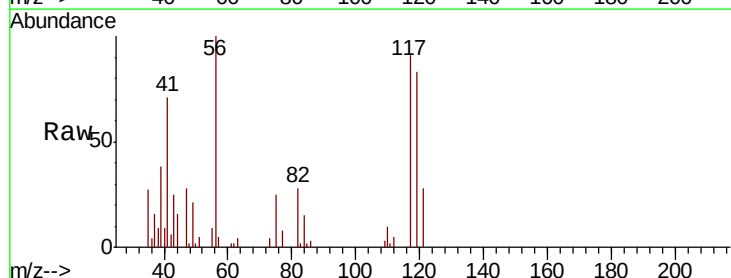
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

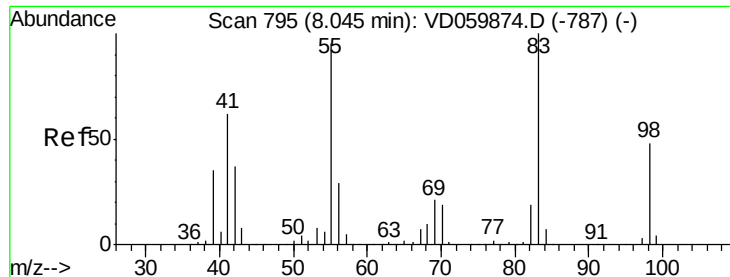
Tot Ion: 43 Resp: 97573
Ion Ratio Lower Upper
43 100
61 10.1 11.0 16.6#
70 6.9 5.7 8.5



#38
Carbon Tetrachloride
Concen: 40.86 ug/l
RT: 6.48 min Scan# 635
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion: 117 Resp: 38988
Ion Ratio Lower Upper
117 100
119 91.8 77.2 115.8
121 31.2 24.0 36.0

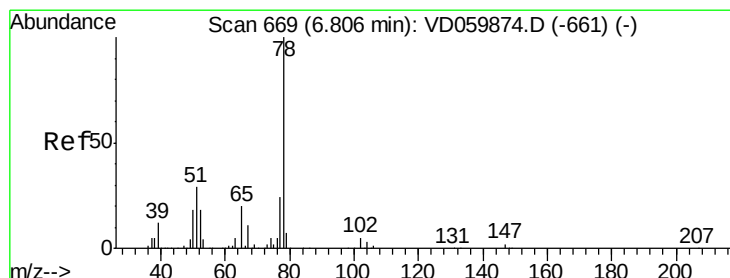
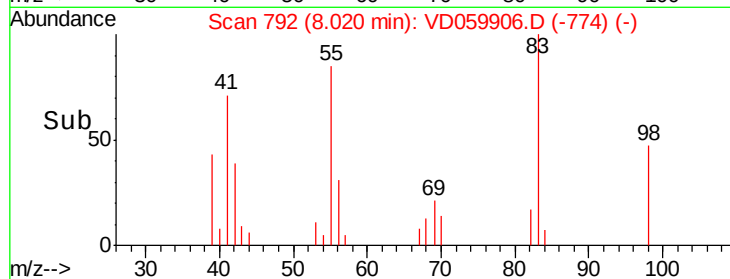
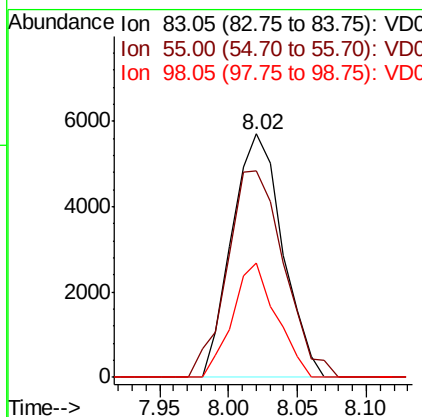
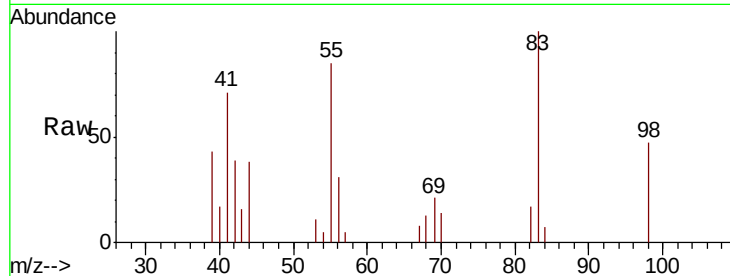




#39
Methylvlcyclohexane
Concen: 14.26 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

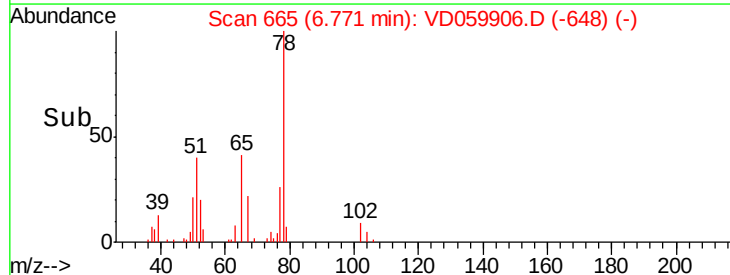
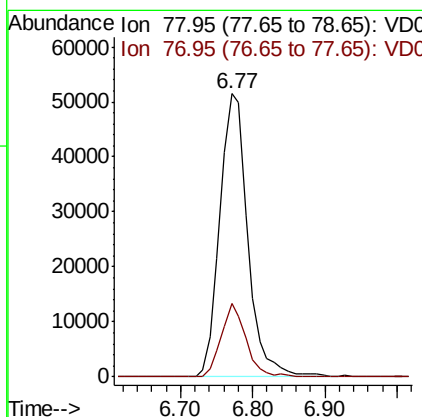
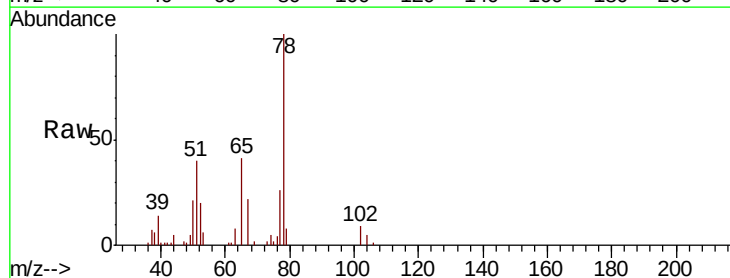
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

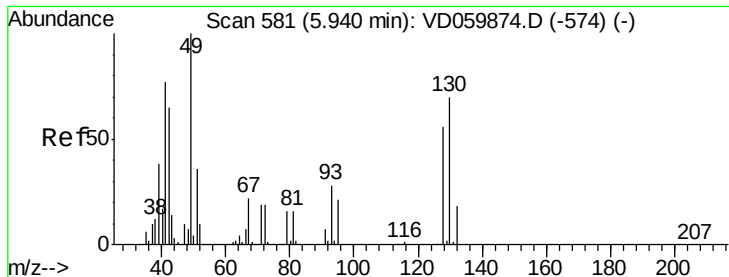
Tot Ion: 83 Resp: 14567
Ion Ratio Lower Upper
83 100
55 84.8 75.8 113.6
98 46.7 38.3 57.5



#40
Benzene
Concen: 56.13 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion: 78 Resp: 138000
Ion Ratio Lower Upper
78 100
77 26.0 19.0 28.4





#41

Methacrylonitrile

Concen: 390.87 ug/l

RT: 5.92 min Scan# 579

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

Tot Ion: 41 Resp: 144858

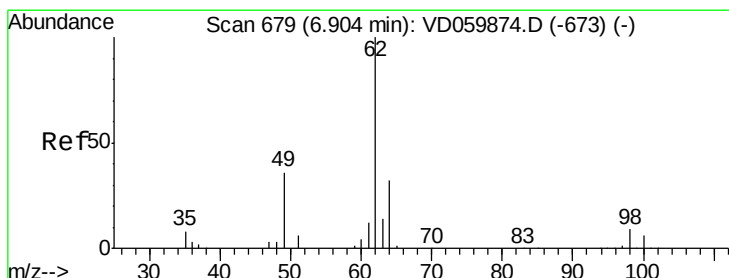
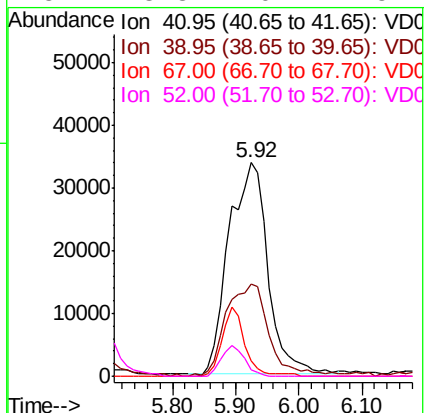
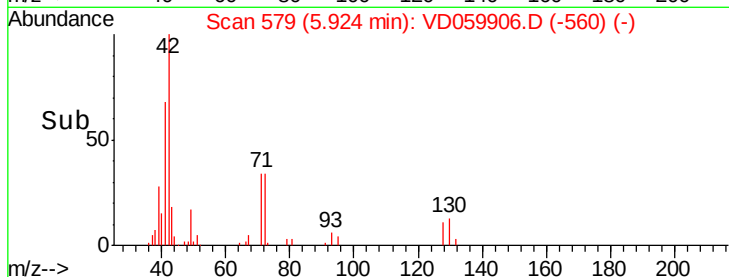
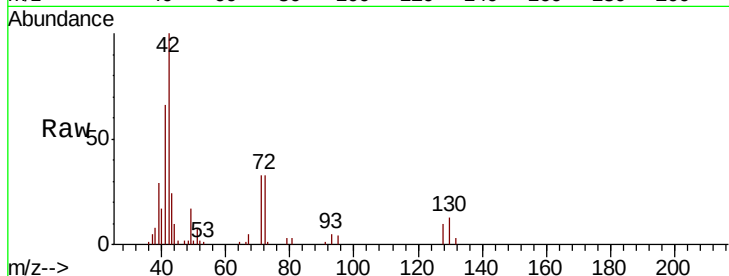
Ion Ratio Lower Upper

41 100

39 43.4 39.4 59.2

67 7.1 22.2 33.2#

52 3.3 10.1 15.1#



#42

1,2-Dichloroethane

Concen: 82.89 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059906.D

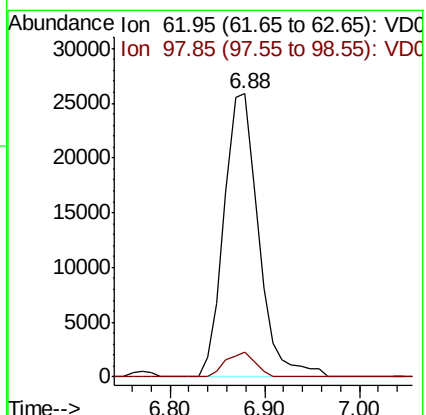
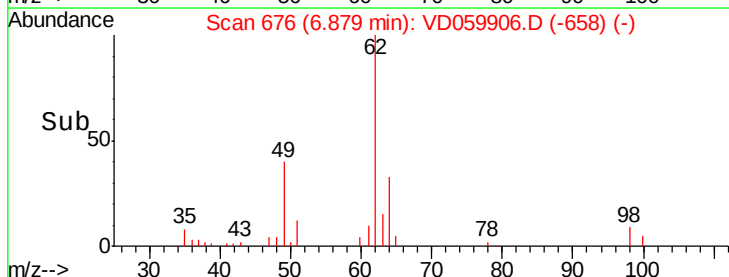
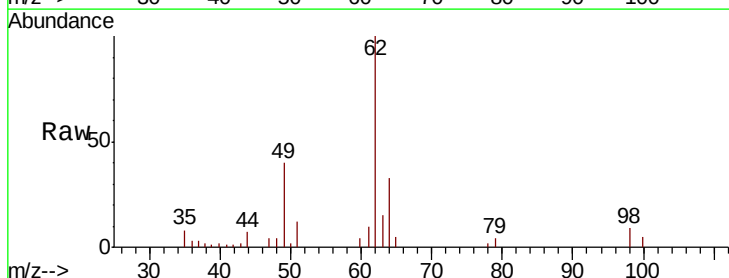
Acq: 24 Aug 2018 14:54

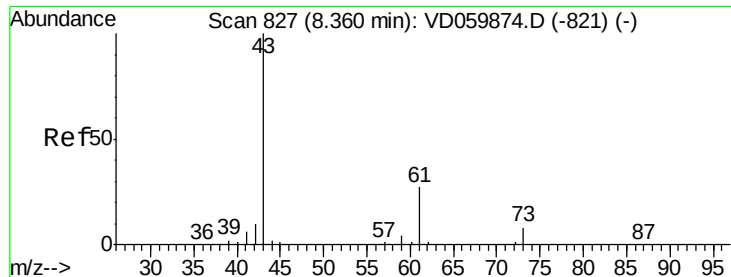
Tgt Ion: 62 Resp: 65420

Ion Ratio Lower Upper

62 100

98 8.6 0.0 18.4





#43

Isopropyl Acetate

Concen: 107.06 ug/l

RT: 8.34 min Scan# 824

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

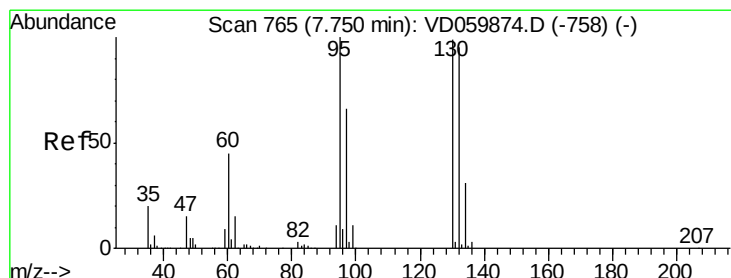
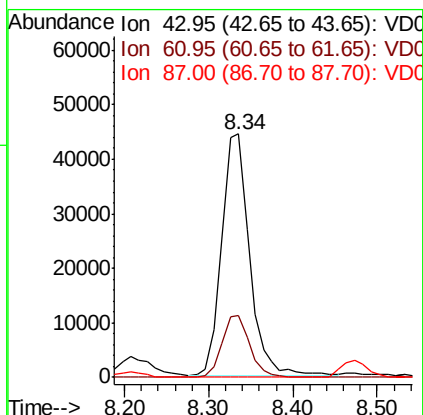
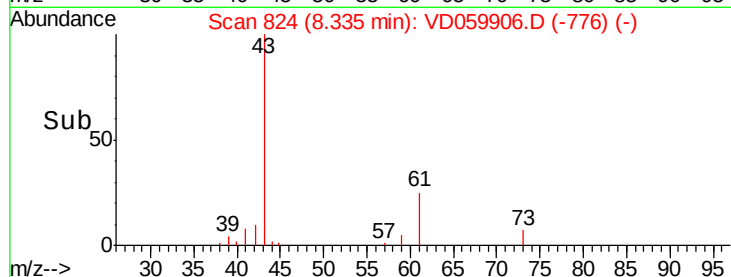
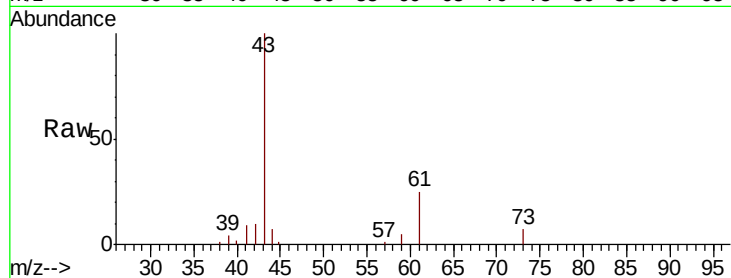
Tot Ion: 43 Resp: 102472

Ion Ratio Lower Upper

43 100

61 25.4 21.4 32.2

87 0.0 0.2 0.4#



#44

Trichloroethene

Concen: 46.47 ug/l

RT: 7.72 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD059906.D

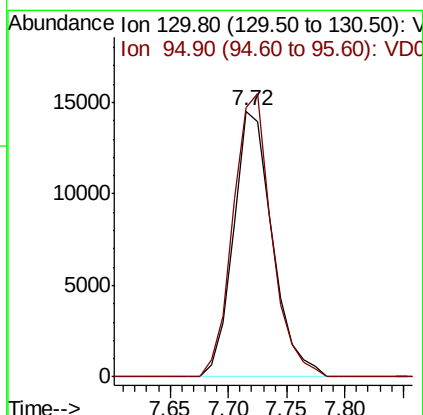
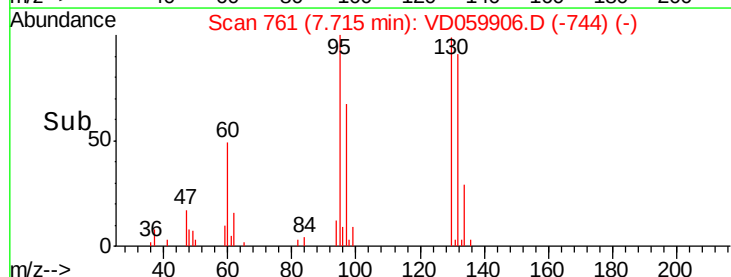
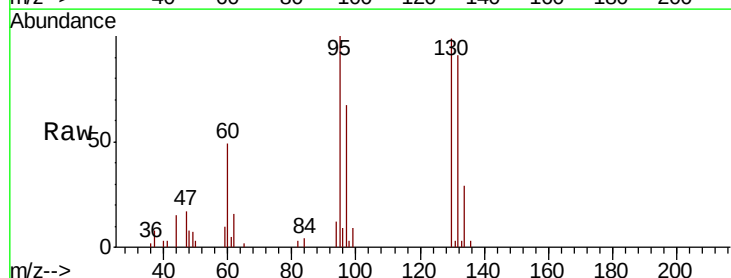
Acq: 24 Aug 2018 14:54

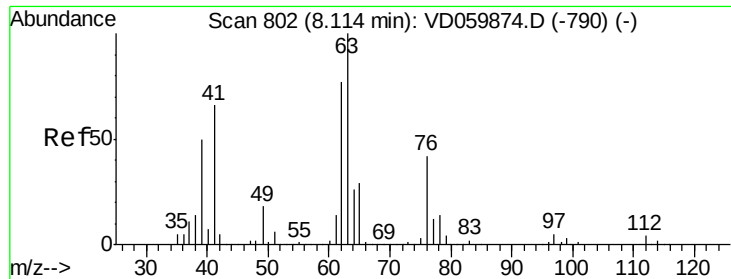
Tgt Ion:130 Resp: 33634

Ion Ratio Lower Upper

130 100

95 101.2 0.0 202.0

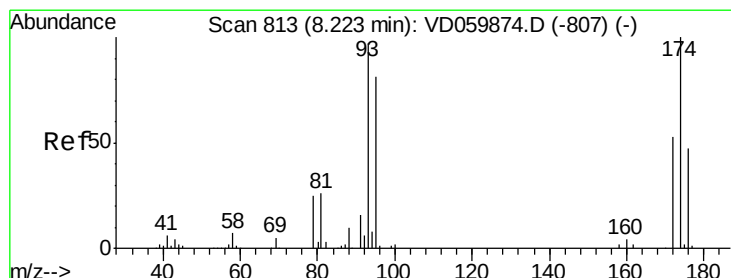
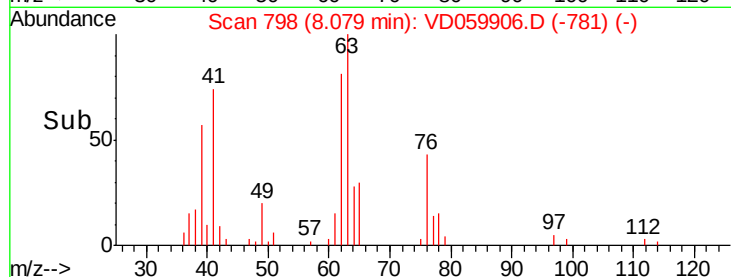
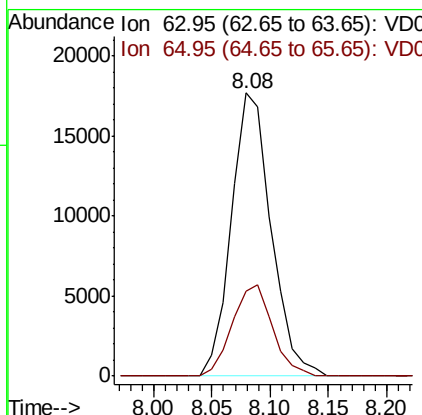
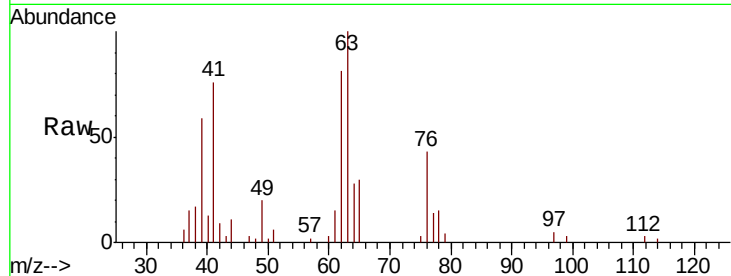




#45
 1,2-Dichloropropane
 Concen: 60.75 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

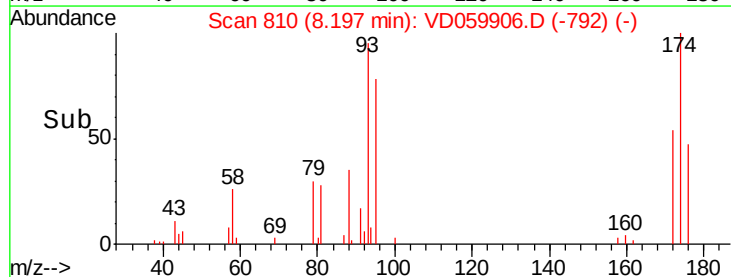
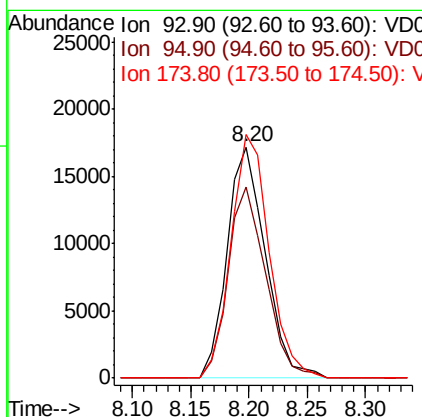
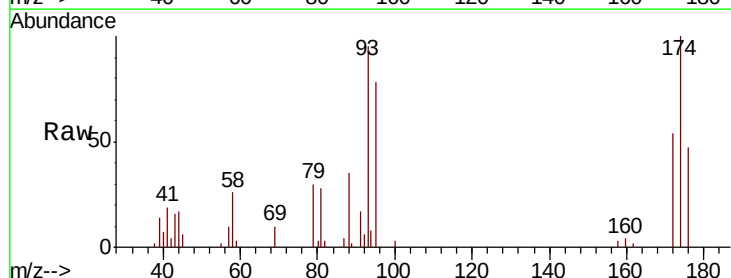
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

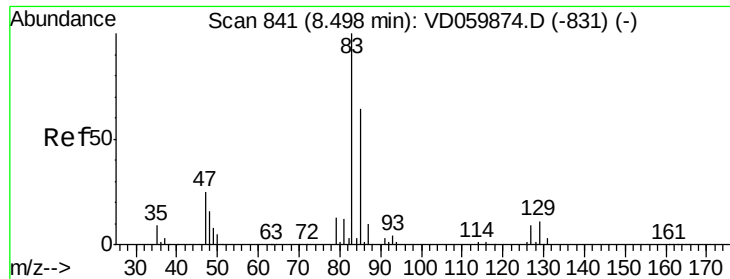
Tot Ion: 63 Resp: 41743
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.5 35.3



#46
 Dibromomethane
 Concen: 88.27 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 93 Resp: 39001
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 105.3 82.4 123.6





#47

Bromodichloromethane

Concen: 66.23 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

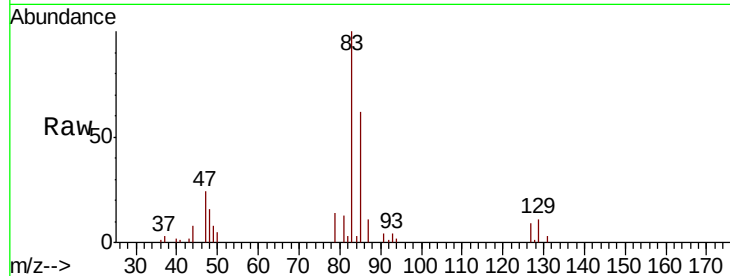
Tot Ion: 83 Resp: 66251

Ion Ratio Lower Upper

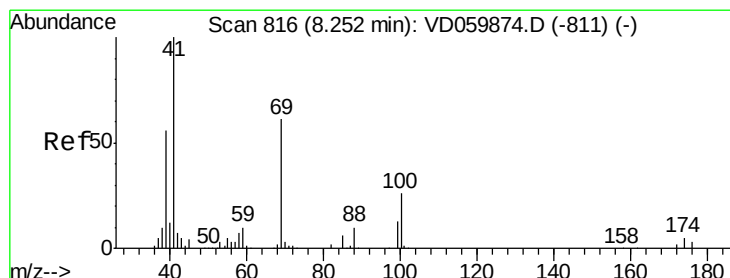
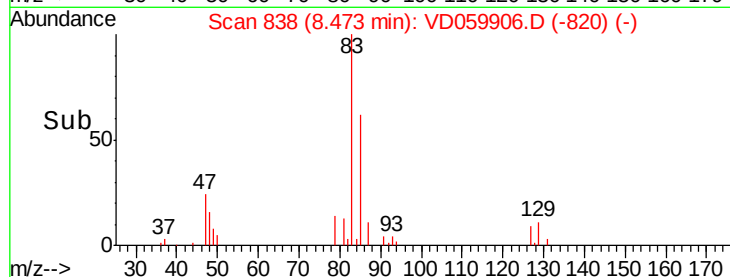
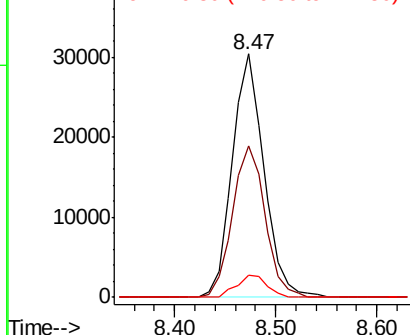
83 100

85 62.3 51.3 76.9

127 9.1 7.0 10.4



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



#48

Methyl methacrylate

Concen: 139.36 ug/l

RT: 8.23 min Scan# 813

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

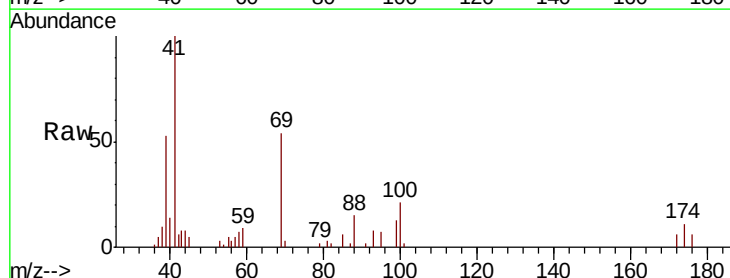
Tgt Ion: 41 Resp: 77757

Ion Ratio Lower Upper

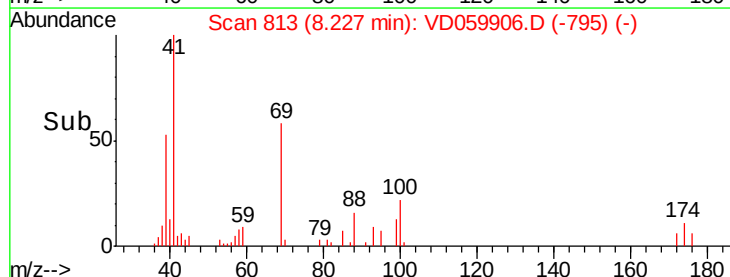
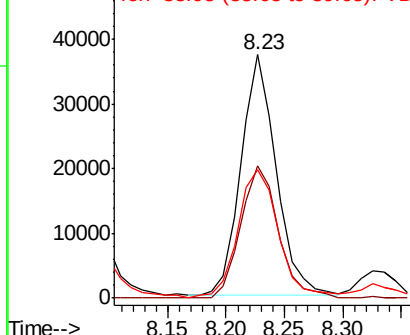
41 100

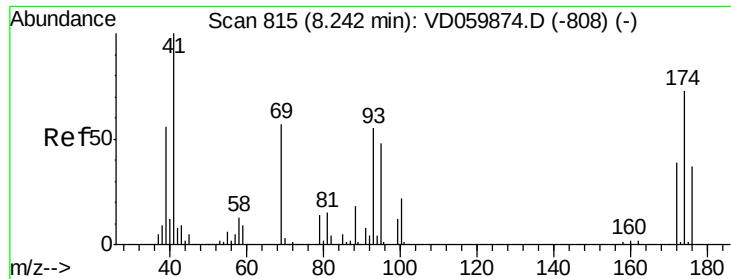
69 54.2 48.0 72.0

39 52.9 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: 4458.63 ug/l

RT: 8.21 min Scan# 811

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

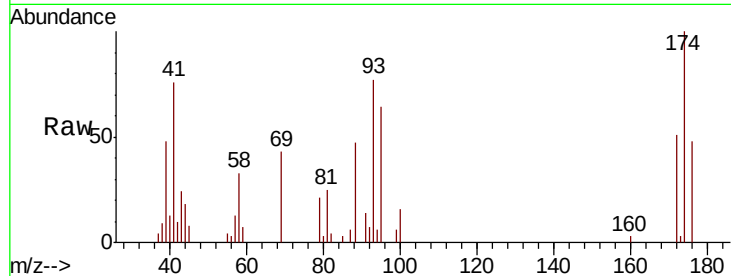
Tot Ion: 88 Resp: 22210

Ion Ratio Lower Upper

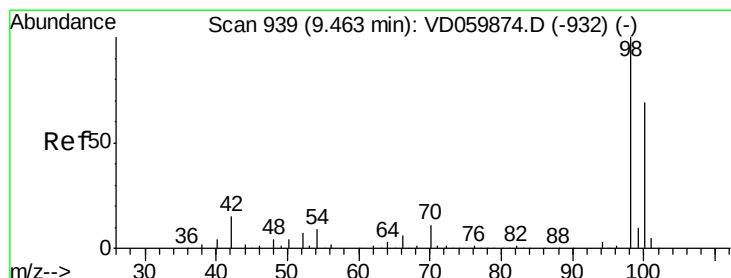
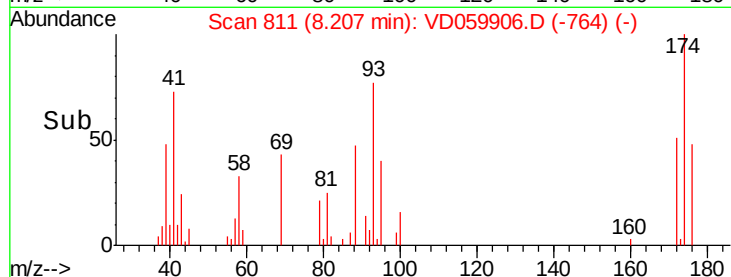
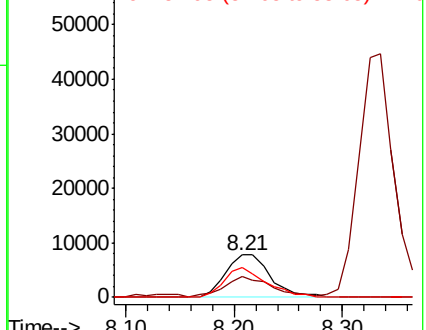
88 100

43 50.5 45.0 67.6

58 69.8 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: 4458.63 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.03 min

Lab File: VD059906.D

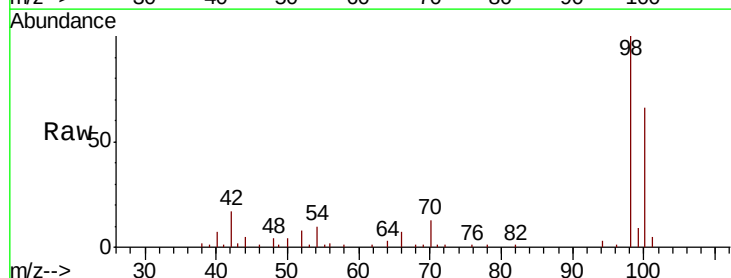
Acq: 24 Aug 2018 14:54

Tgt Ion: 98 Resp: 119049

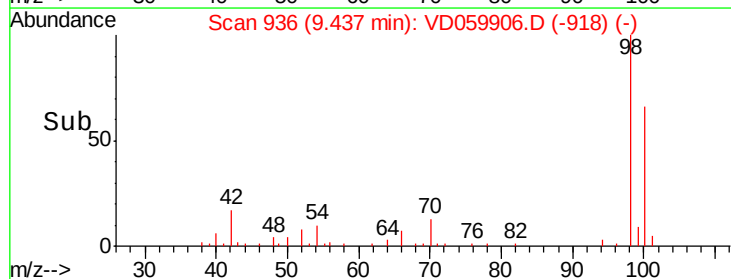
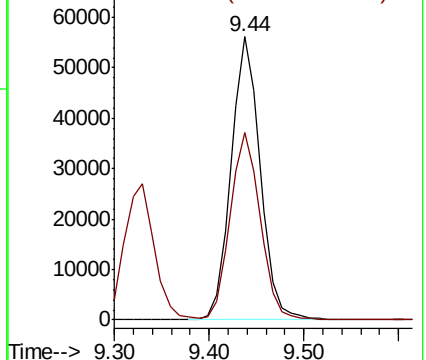
Ion Ratio Lower Upper

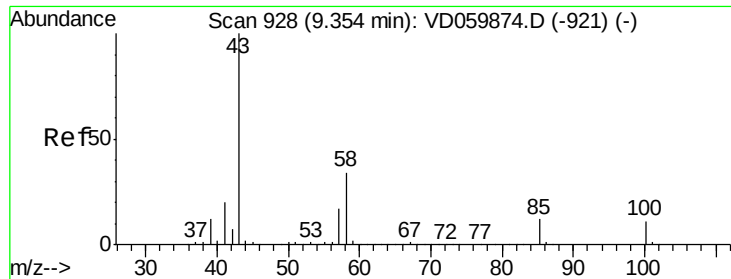
98 100

100 66.1 55.8 83.6



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





#51

4-Methyl-2-Pentanone

Concen: 941.60 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

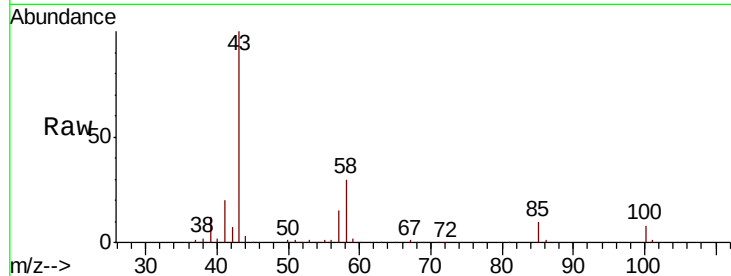
RA-081718-WSW-20-053MSD

Tot Ion: 43 Resp: 671902

Ion Ratio Lower Upper

43 100

58 30.0 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

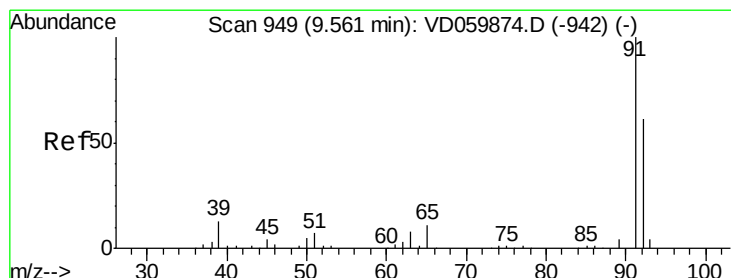
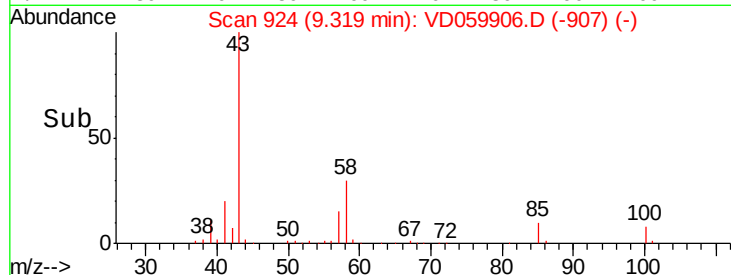
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.26 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059906.D

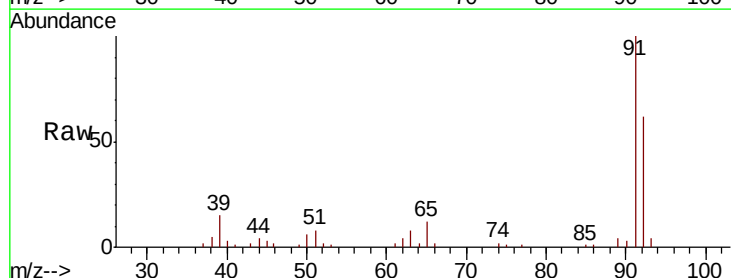
Acq: 24 Aug 2018 14:54

Tgt Ion: 92 Resp: 80800

Ion Ratio Lower Upper

92 100

91 162.5 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

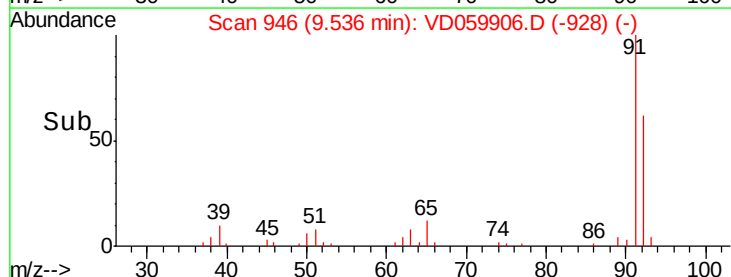
60000

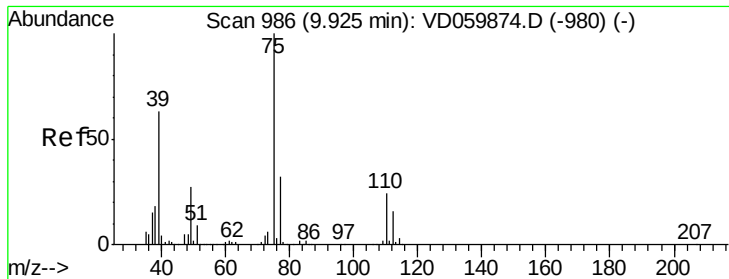
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 77.29 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

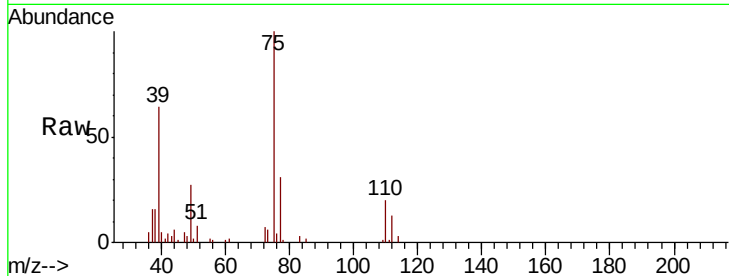
RA-081718-WSW-20-053MSD

Tot Ion: 75 Resp: 71503

Ion Ratio Lower Upper

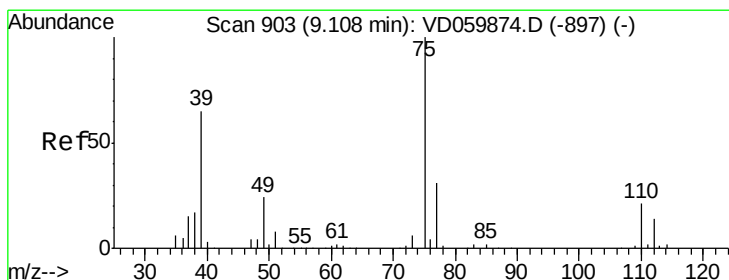
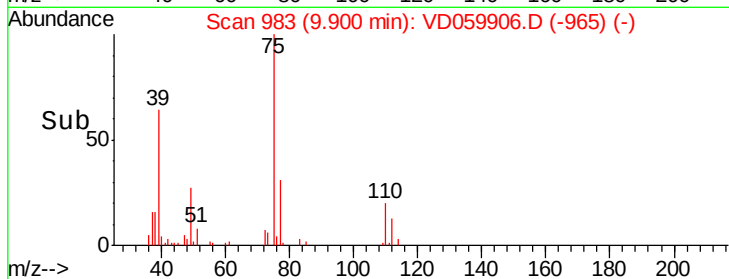
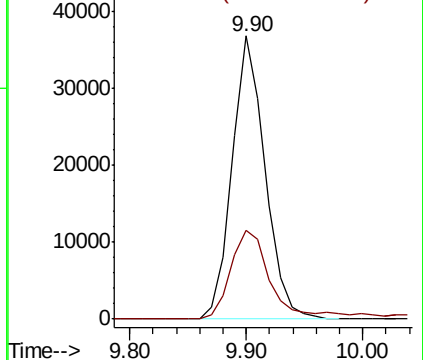
75 100

77 31.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 65.88 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

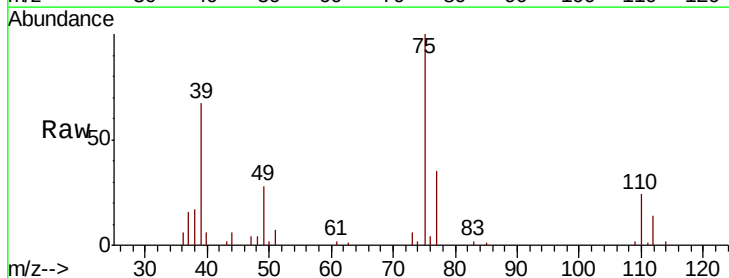
Tgt Ion: 75 Resp: 70663

Ion Ratio Lower Upper

75 100

77 34.7 24.8 37.2

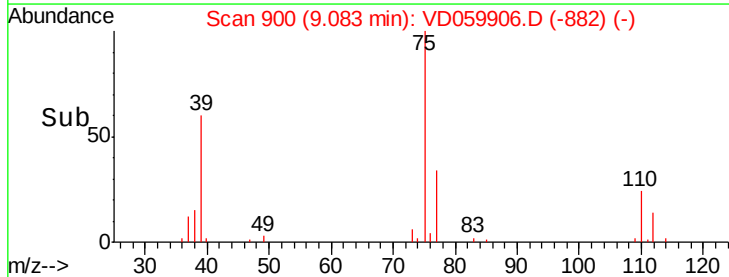
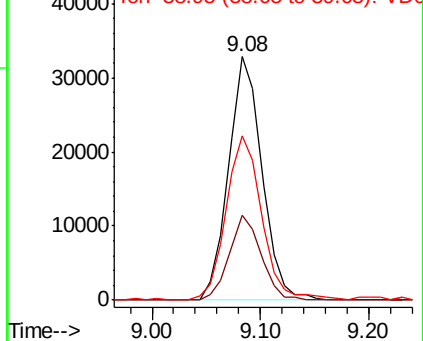
39 67.4 52.1 78.1

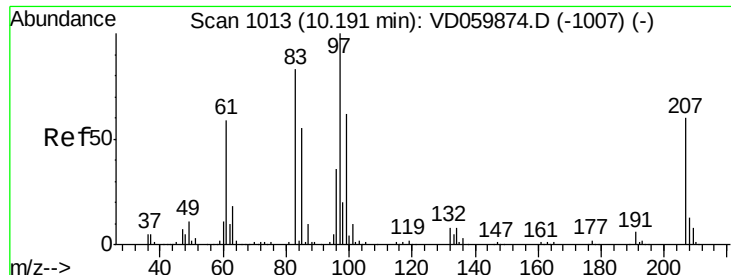


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

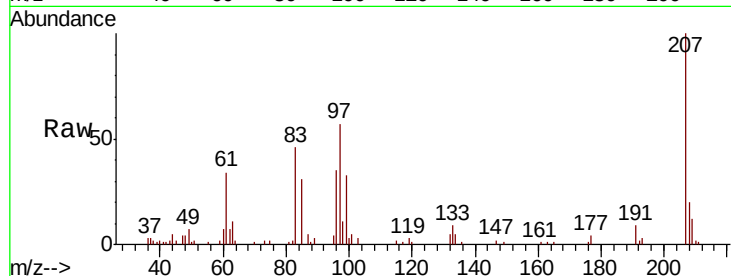




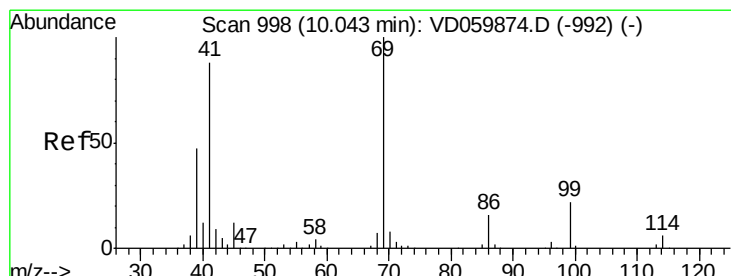
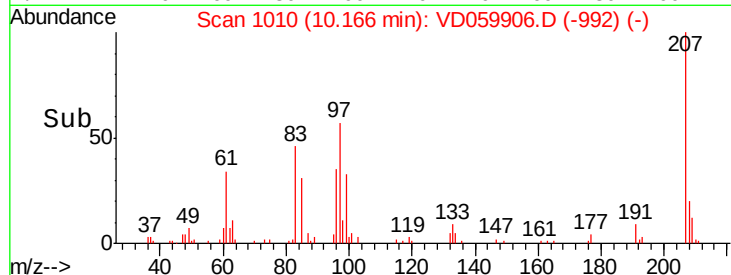
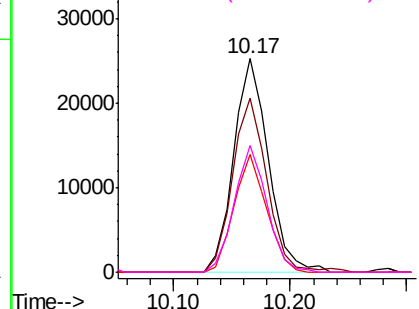
#55
 1,1,2-Trichloroethane
 Concen: 89.88 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

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

Tot Ion:	97	Resp:	51792
Ion	Ratio	Lower	Upper
97	100		
83	81.6	66.7	100.1
85	55.3	43.8	65.6
99	59.1	49.8	74.6

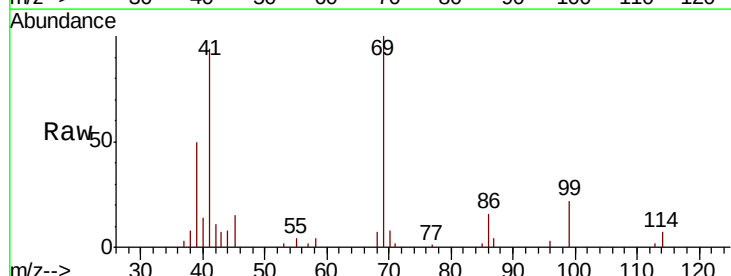


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

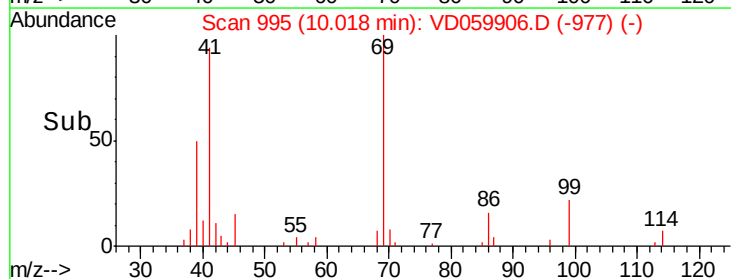
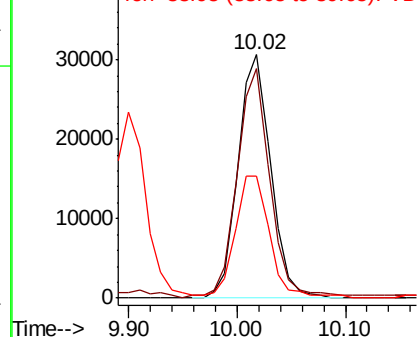


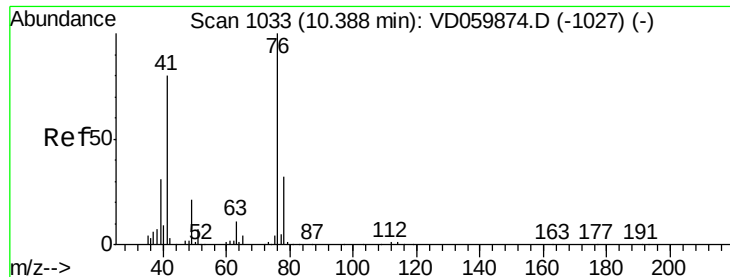
#56
 Ethyl methacrylate
 Concen: 96.62 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion:	69	Resp:	64255
Ion	Ratio	Lower	Upper
69	100		
41	94.1	71.0	106.4
39	50.2	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

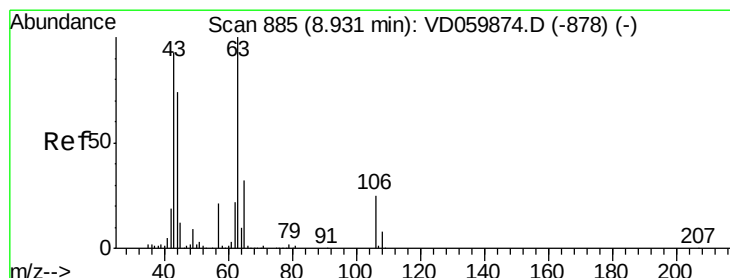
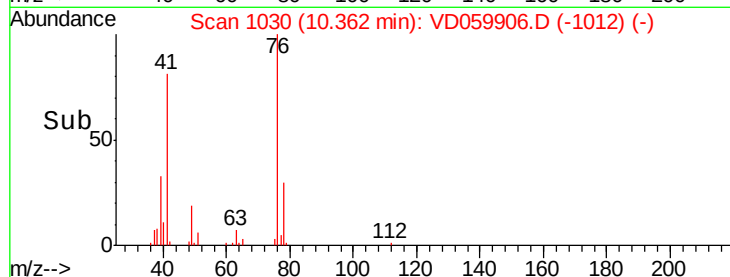
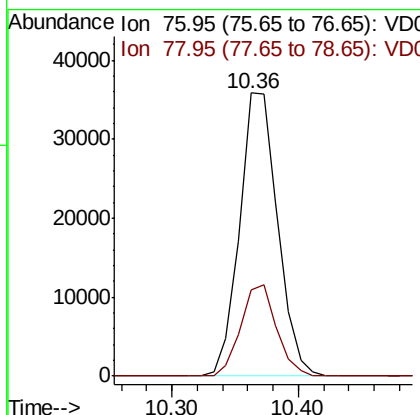
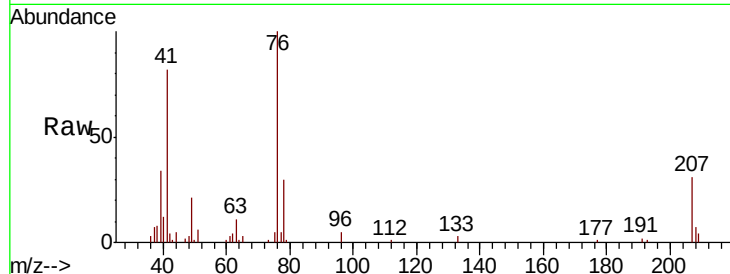




#57
 1,3-Dichloropropane
 Concen: 89.60 ug/l
 RT: 10.36 min Scan# 1030
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

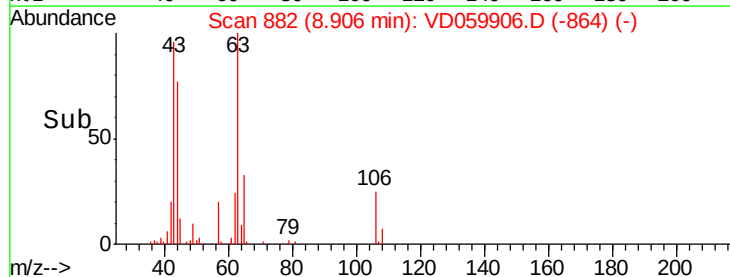
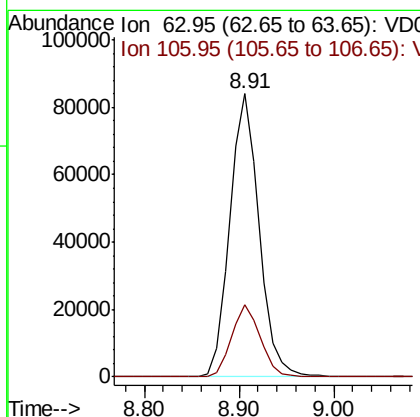
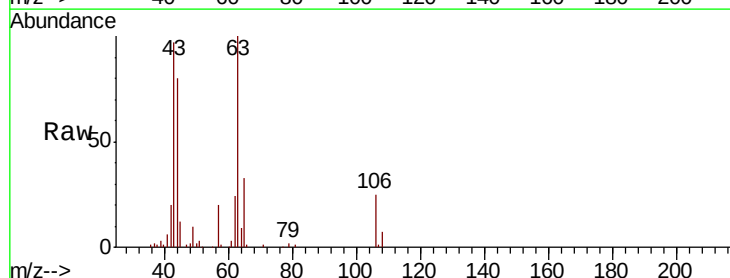
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

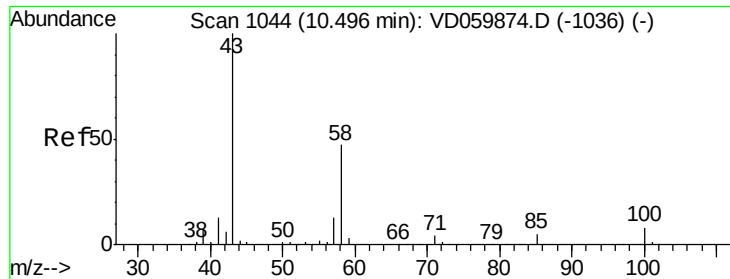
Tot Ion: 76 Resp: 74728
 Ion Ratio Lower Upper
 76 100
 78 30.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 561.47 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 63 Resp: 179124
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.1 30.1

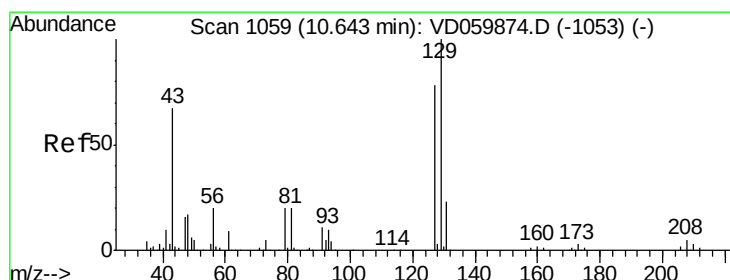
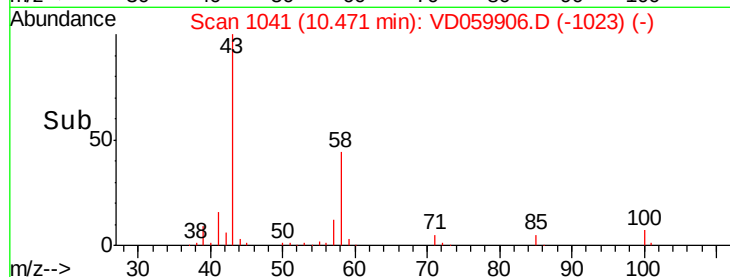
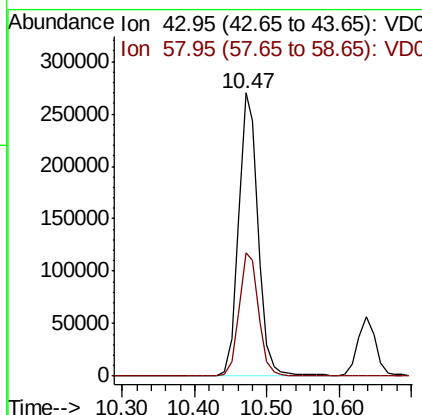
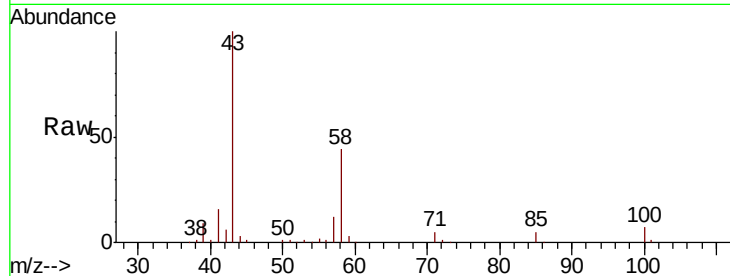




#59
2-Hexanone
Concen: 967.72 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

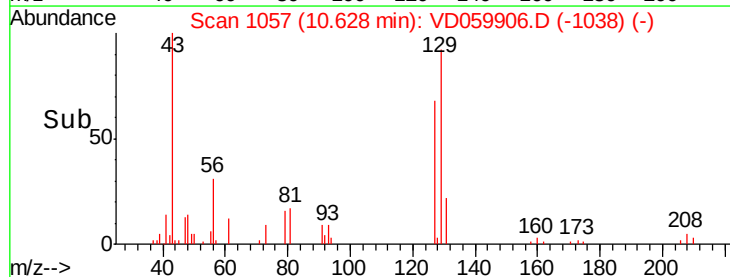
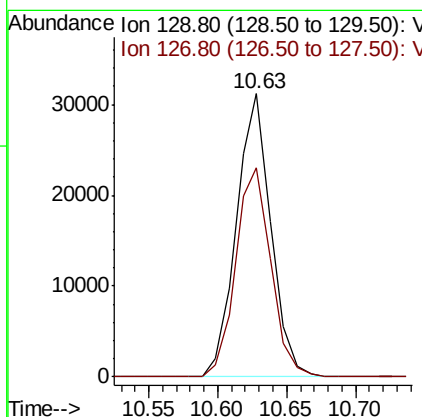
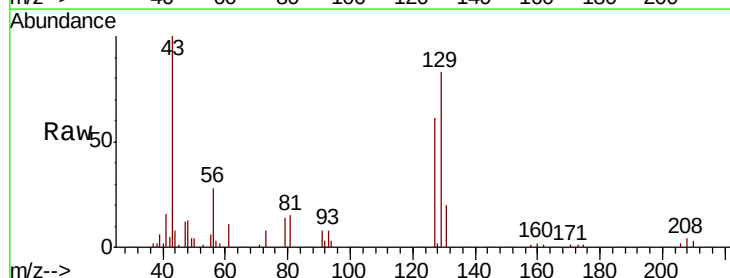
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

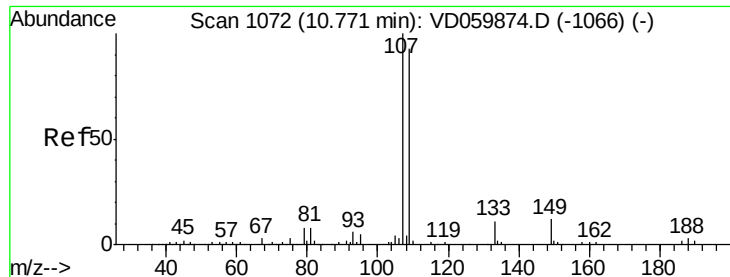
Tot Ion: 43 Resp: 509333
Ion Ratio Lower Upper
43 100
58 43.6 23.3 69.8



#60
Dibromochloromethane
Concen: 74.78 ug/l
RT: 10.63 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion:129 Resp: 54165
Ion Ratio Lower Upper
129 100
127 74.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 94.43 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

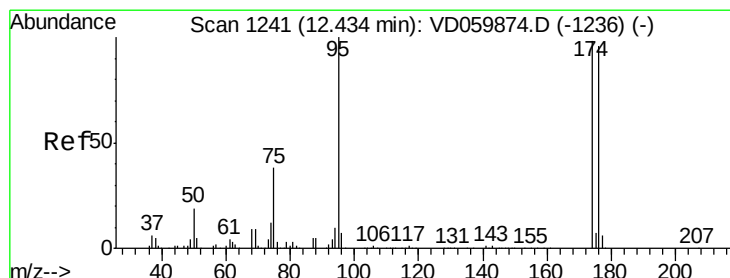
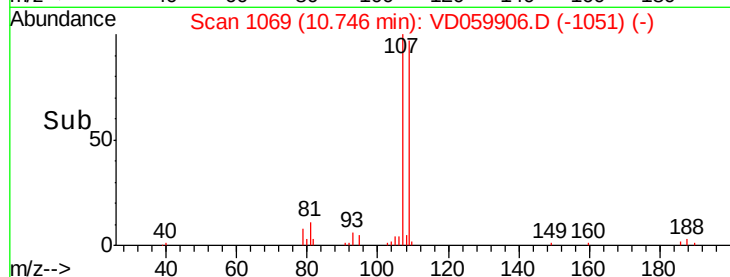
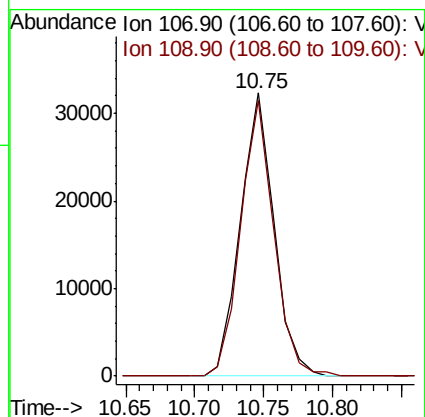
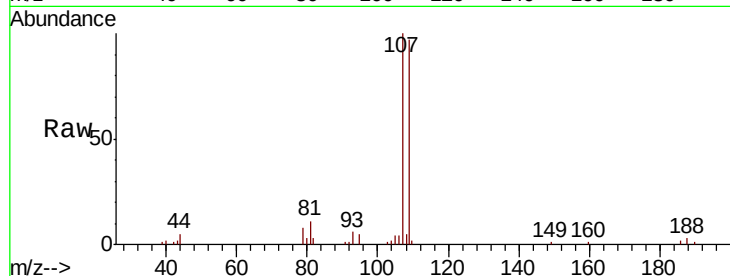
RA-081718-WSW-20-053MSD

Tot Ion:107 Resp: 55020

Ion Ratio Lower Upper

107 100

109 97.3 74.6 112.0



#62

4-Bromofluorobenzene

Concen: 94.43 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

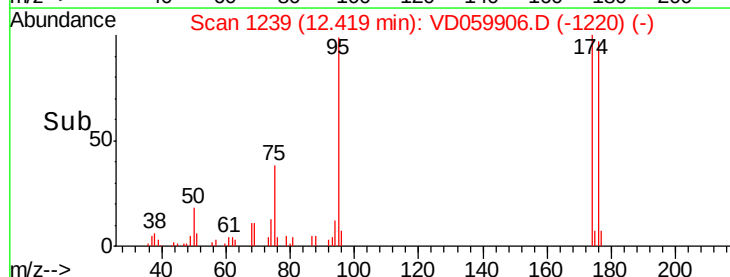
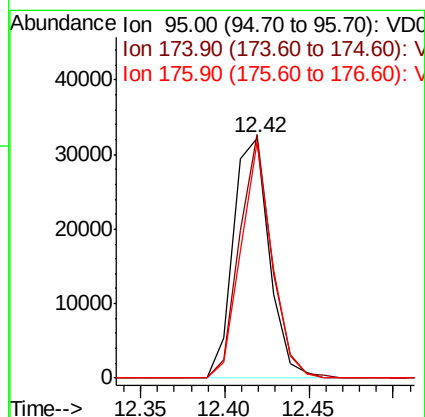
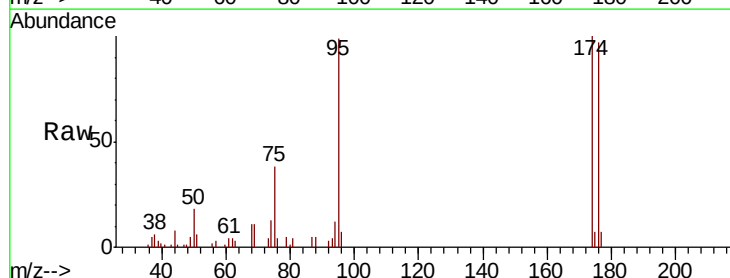
Tgt Ion: 95 Resp: 47789

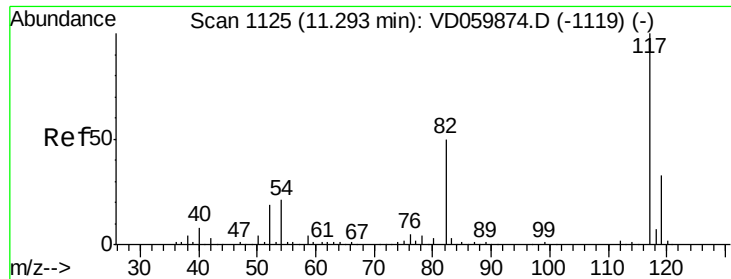
Ion Ratio Lower Upper

95 100

174 101.3 0.0 195.6

176 98.0 0.0 191.2

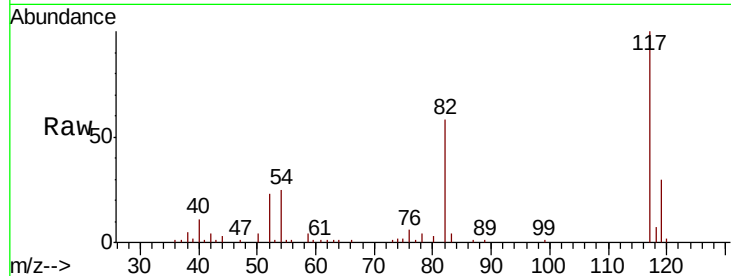




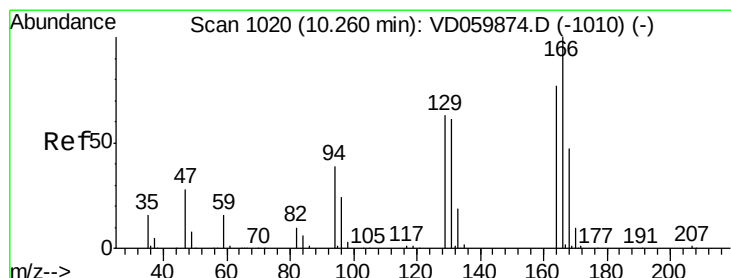
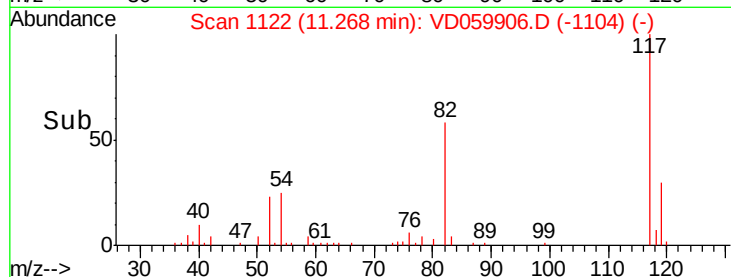
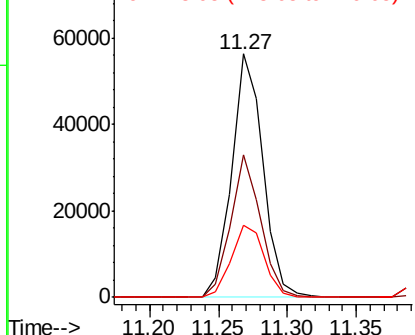
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

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

Tot Ion:117 Resp: 88542
Ion Ratio Lower Upper
117 100
82 58.3 40.1 60.1
119 29.6 26.7 40.1



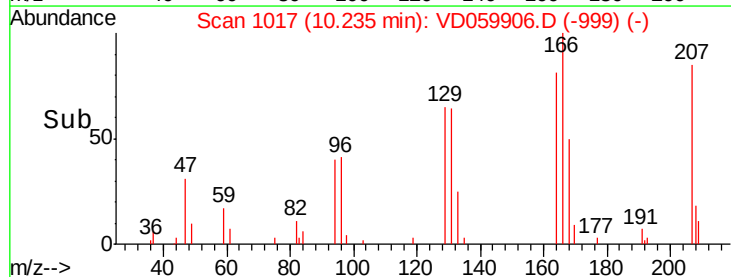
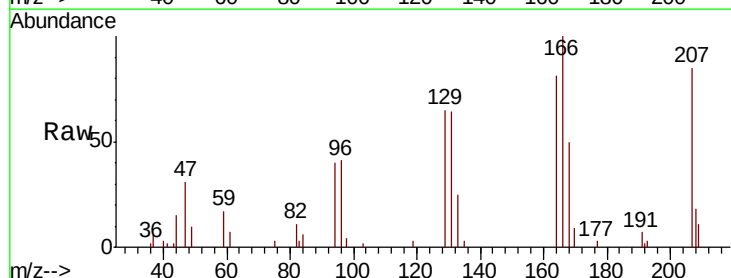
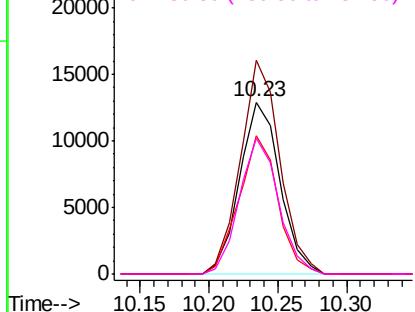
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

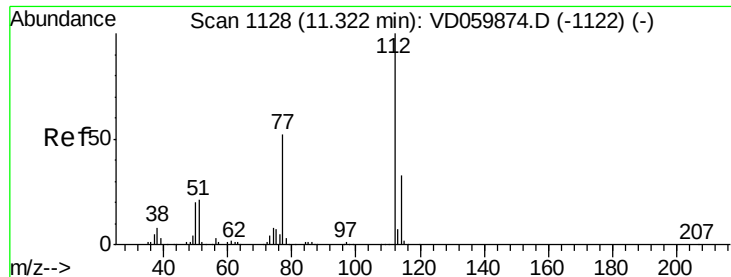


#64
Tetrachloroethene
Concen: 38.56 ug/l
RT: 10.23 min Scan# 1017
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion:164 Resp: 26401
Ion Ratio Lower Upper
164 100
166 124.1 103.4 155.2
129 80.5 65.2 97.8
131 79.1 63.1 94.7

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

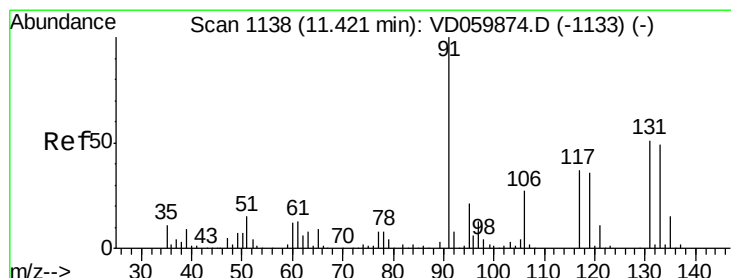
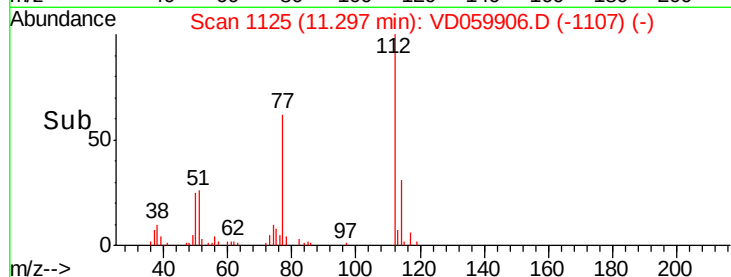
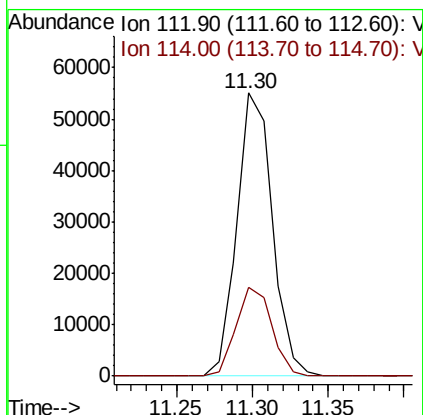
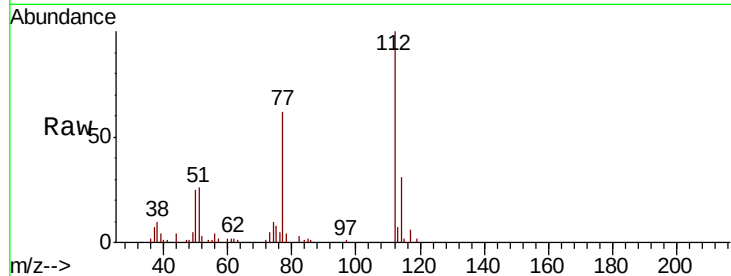




#65
Chlorobenzene
Concen: 50.85 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.03 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

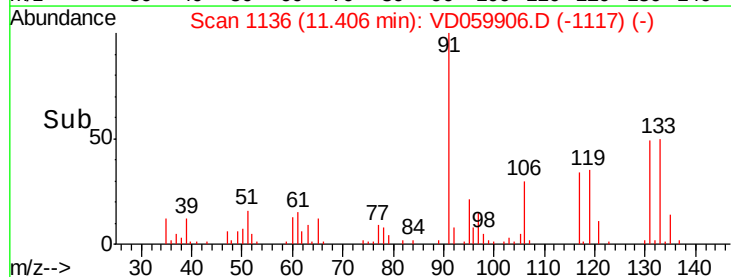
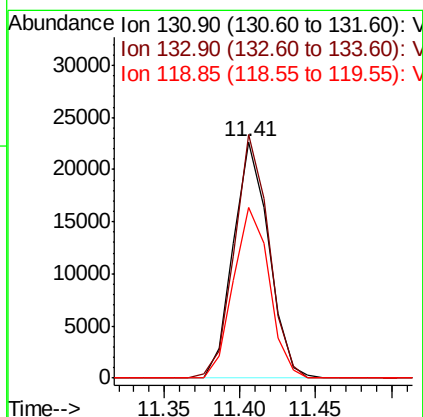
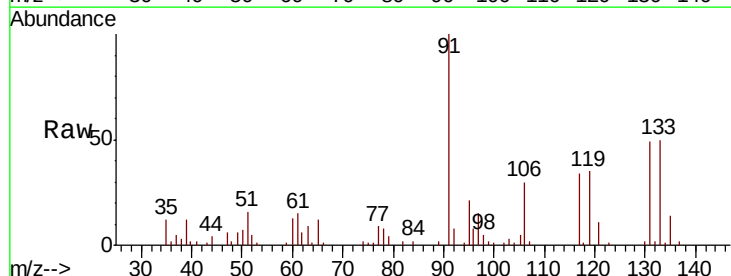
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

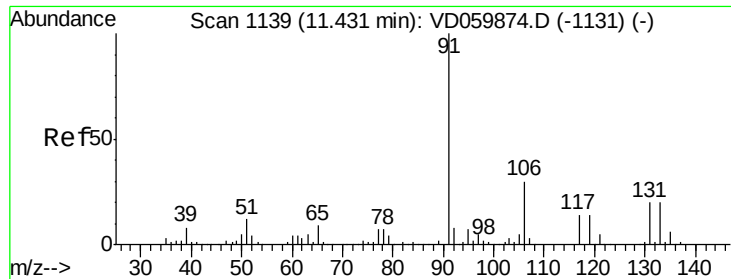
Tot Ion:112 Resp: 89465
Ion Ratio Lower Upper
112 100
114 31.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 57.29 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion:131 Resp: 36828
Ion Ratio Lower Upper
131 100
133 102.9 48.3 144.8
119 71.9 35.4 106.3

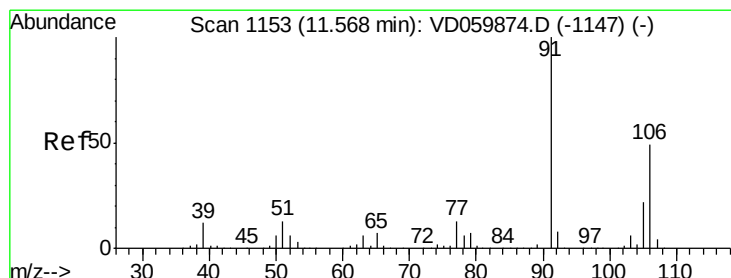
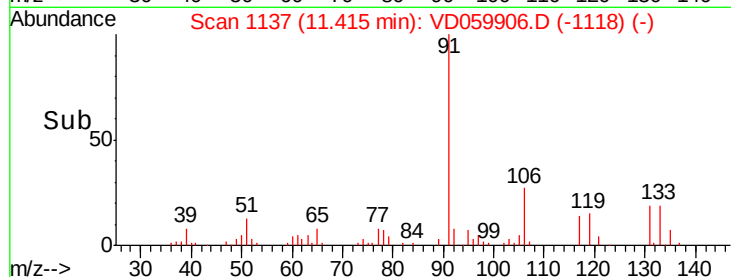
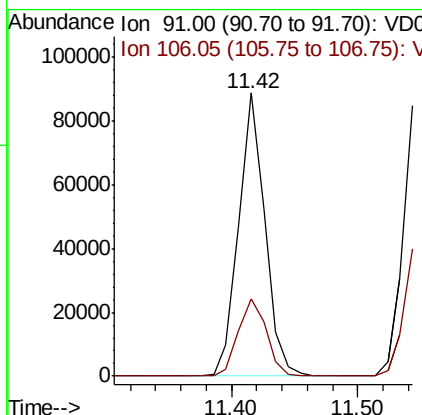
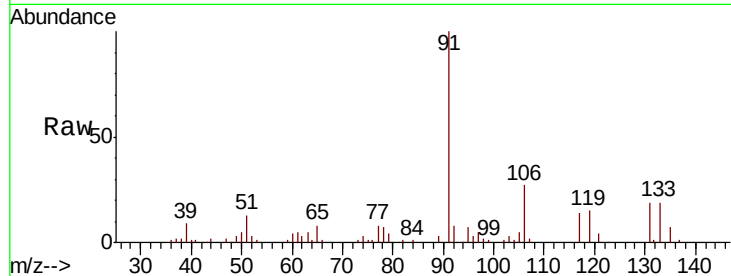




#67
Ethyl Benzene
Concen: 43.06 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

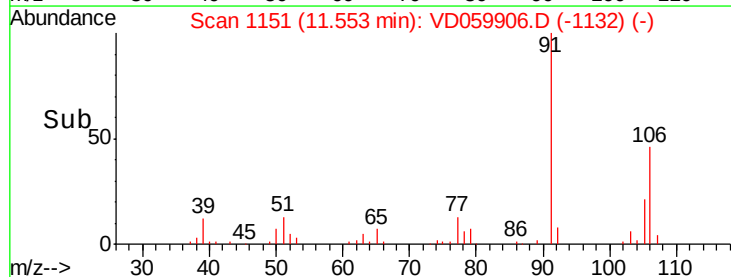
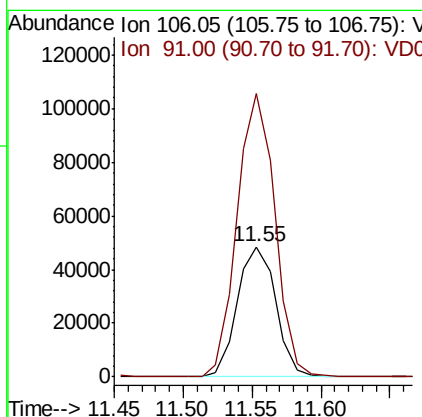
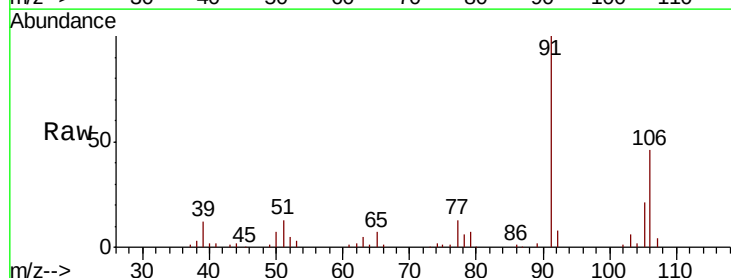
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

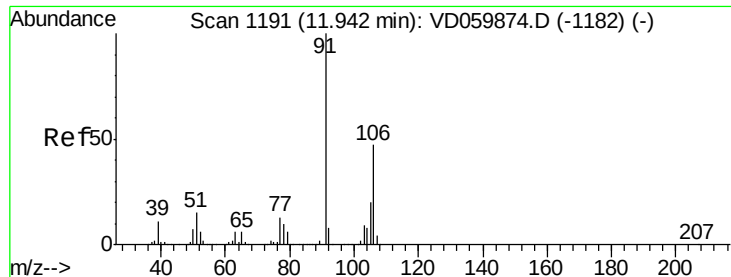
Tot Ion: 91 Resp: 127452
Ion Ratio Lower Upper
91 100
106 27.2 23.8 35.8



#68
m/p-Xylenes
Concen: 87.24 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion:106 Resp: 94020
Ion Ratio Lower Upper
106 100
91 217.1 162.0 243.0

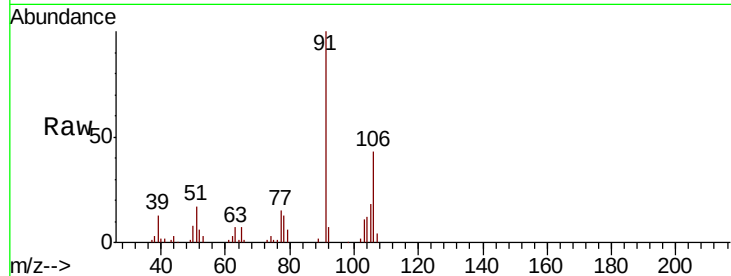




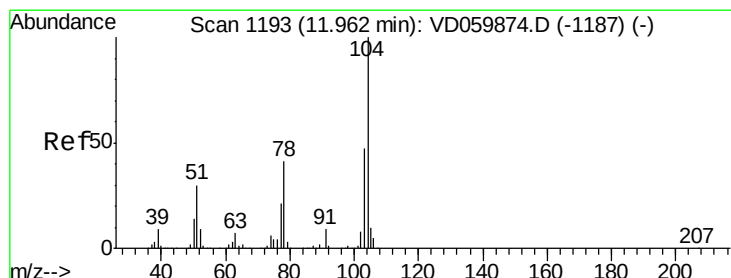
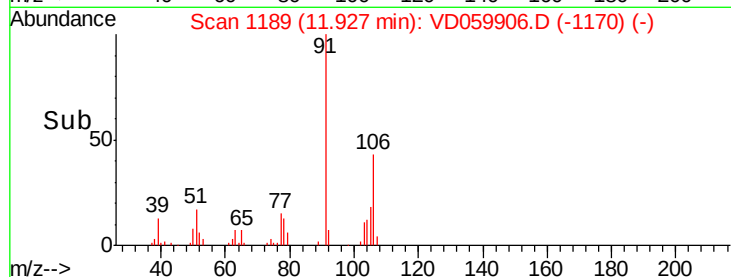
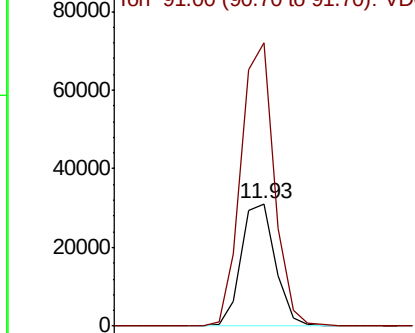
#69
o-Xylene
Concen: 46.26 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

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

Tot Ion:106 Resp: 48767
Ion Ratio Lower Upper
106 100
91 231.0 107.3 322.0

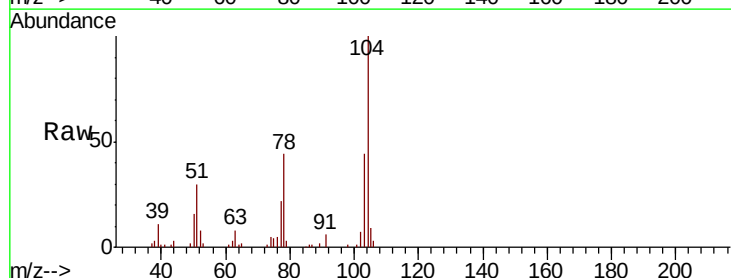


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

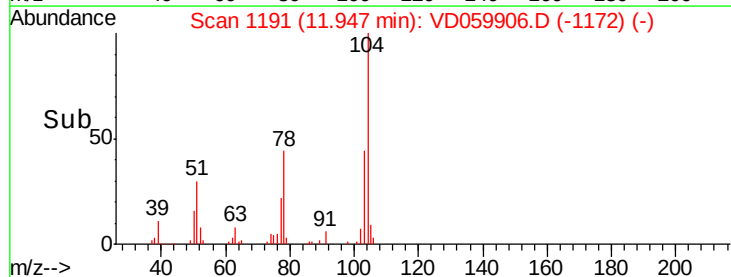
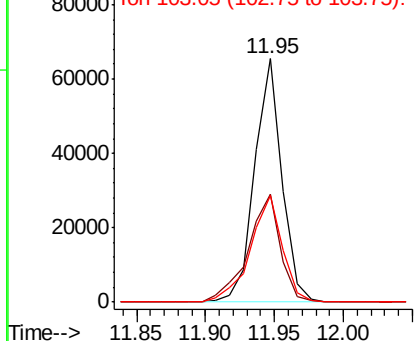


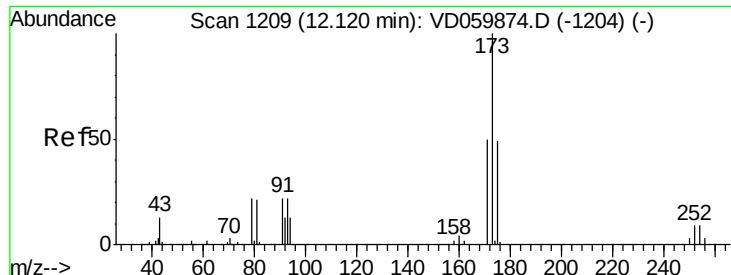
#70
Styrene
Concen: 49.53 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion:104 Resp: 90395
Ion Ratio Lower Upper
104 100
78 44.2 32.6 49.0
103 43.9 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 85.62 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

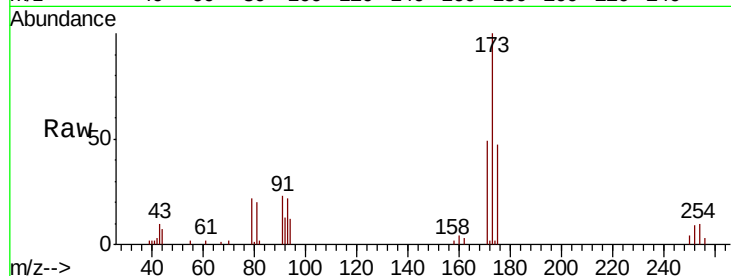
Tot Ion:173 Resp: 47621

Ion Ratio Lower Upper

173 100

175 46.9 24.3 73.0

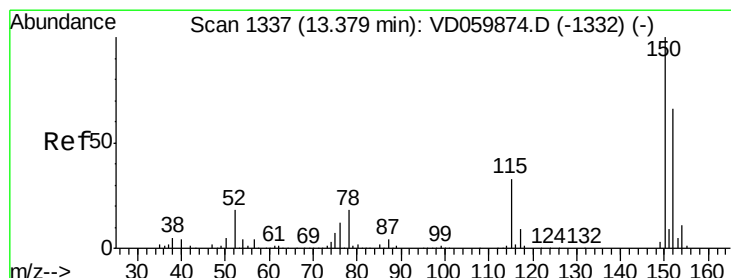
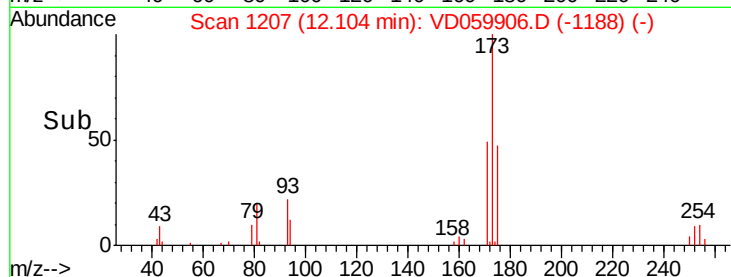
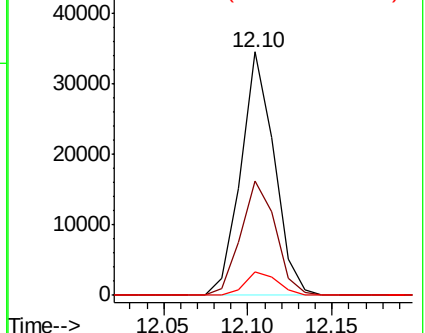
254 9.7 7.0 10.6



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: VD059906.D

Acq: 24 Aug 2018 14:54

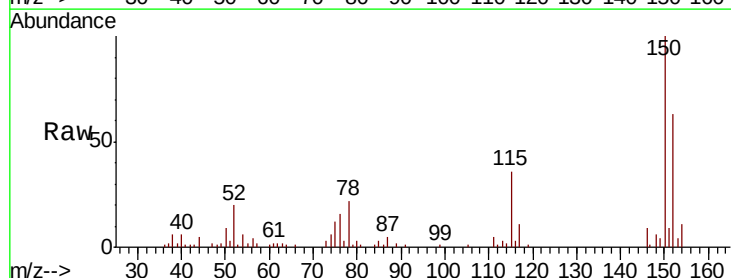
Tgt Ion:152 Resp: 36730

Ion Ratio Lower Upper

152 100

115 57.8 25.7 77.0

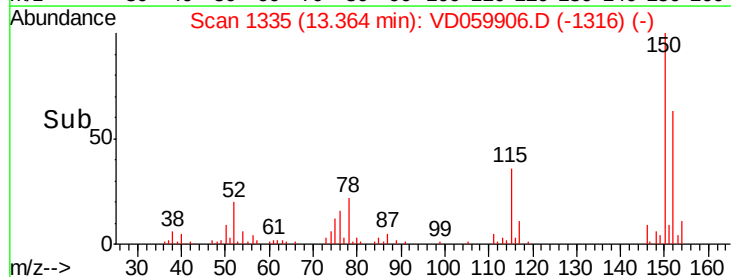
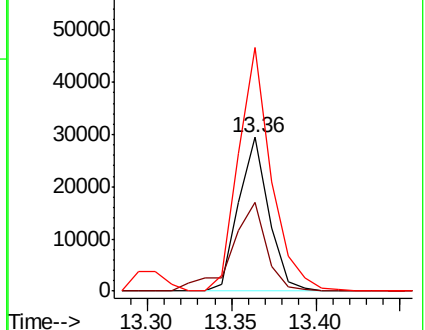
150 158.4 0.0 310.2

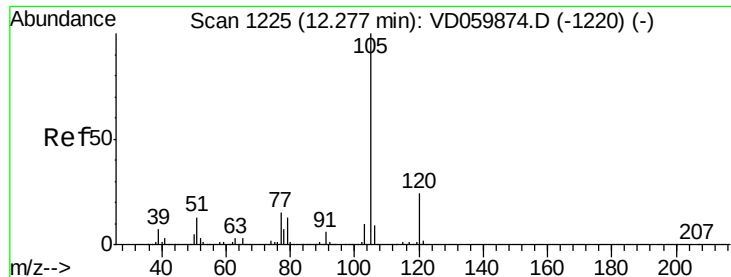


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 37.50 ug/l

RT: 12.26 min Scan# 1223

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

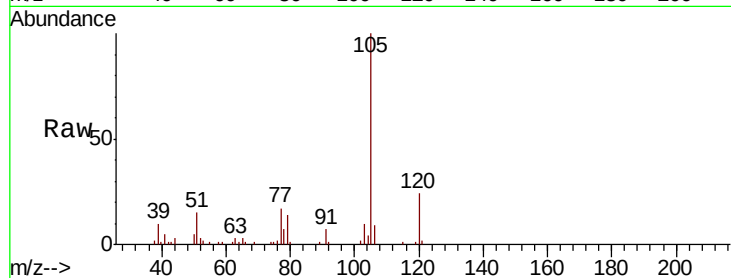
RA-081718-WSW-20-053MSD

Tot Ion:105 Resp: 87932

Ion Ratio Lower Upper

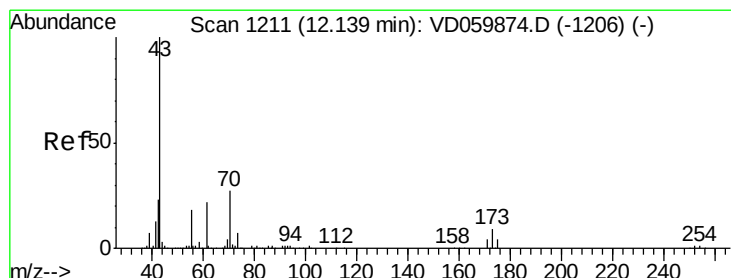
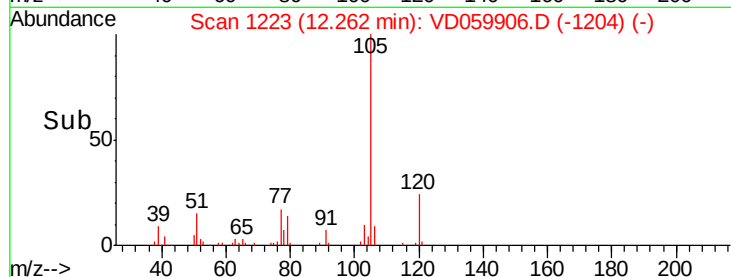
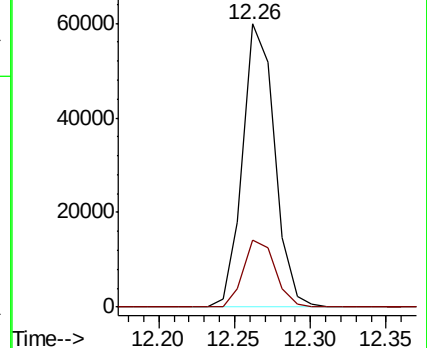
105 100

120 23.7 11.8 35.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 80.69 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Tgt Ion: 43 Resp: 82841

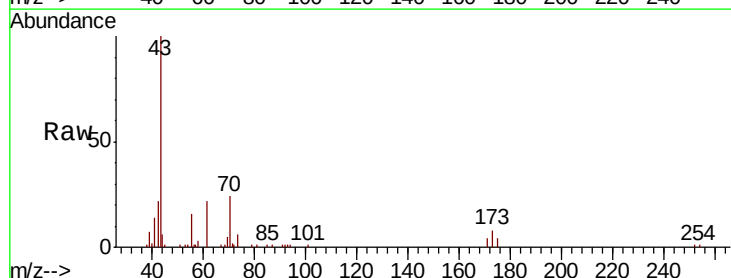
Ion Ratio Lower Upper

43 100

70 24.2 21.4 32.2

55 15.7 14.1 21.1

61 22.1 17.8 26.8

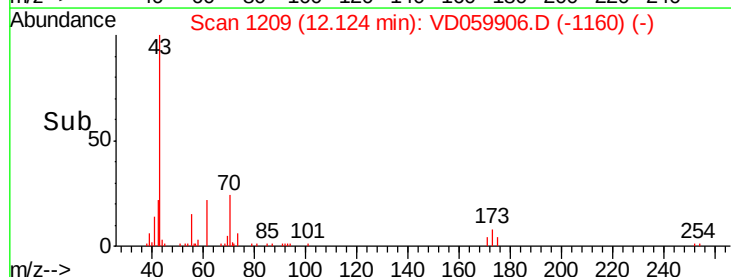
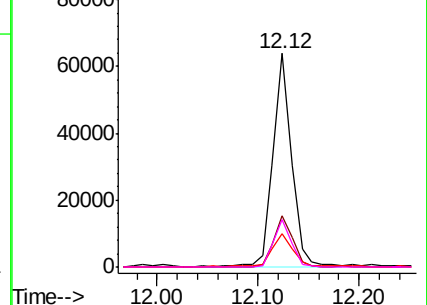


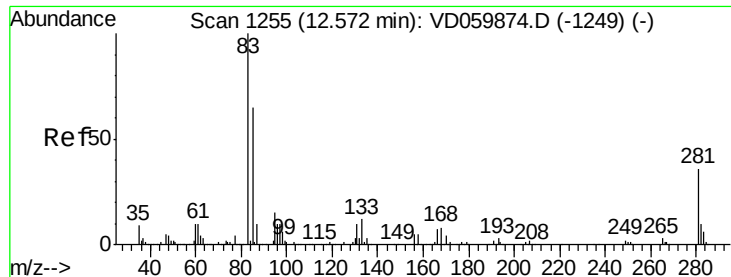
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 153.00 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. -0.03 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

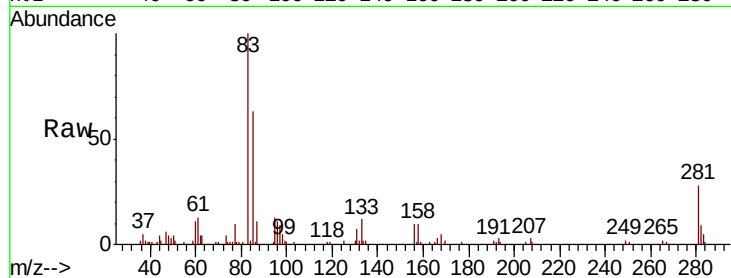
Tot Ion: 83 Resp: 82974

Ion Ratio Lower Upper

83 100

131 7.0 4.8 14.4

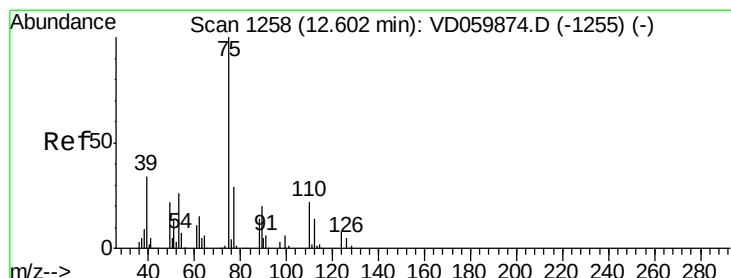
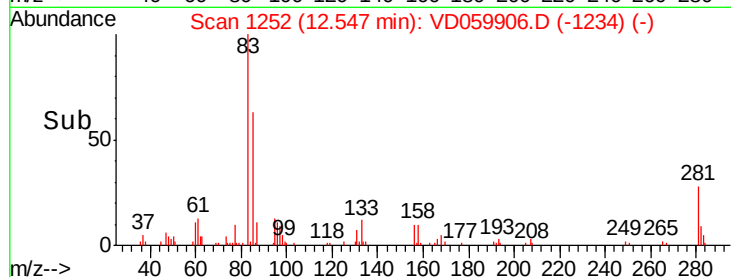
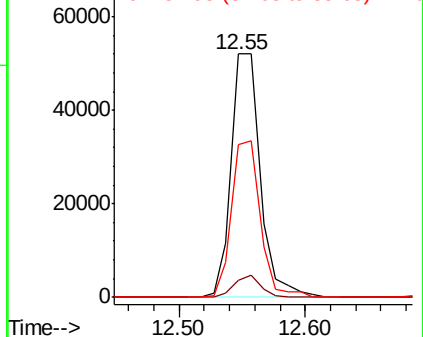
85 62.8 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 157.66 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.02 min

Lab File: VD059906.D

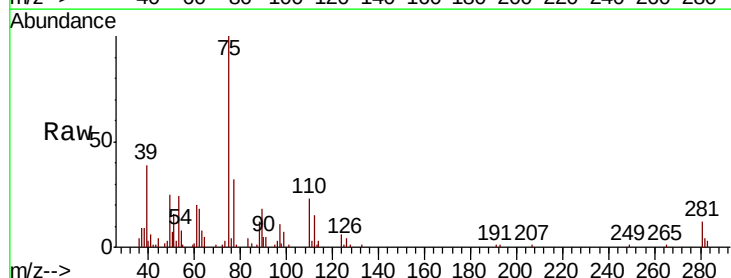
Acq: 24 Aug 2018 14:54

Tgt Ion: 75 Resp: 90003

Ion Ratio Lower Upper

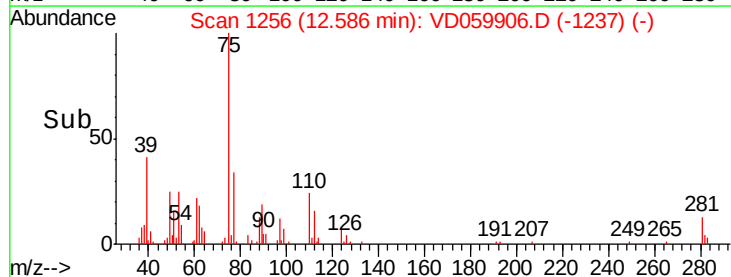
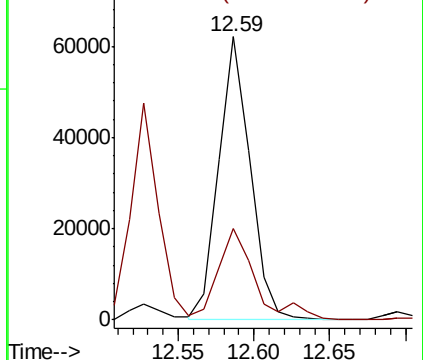
75 100

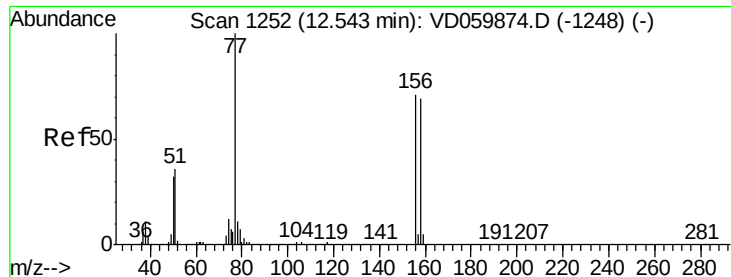
77 32.3 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 67.40 ug/l

RT: 12.53 min Scan# 1250

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

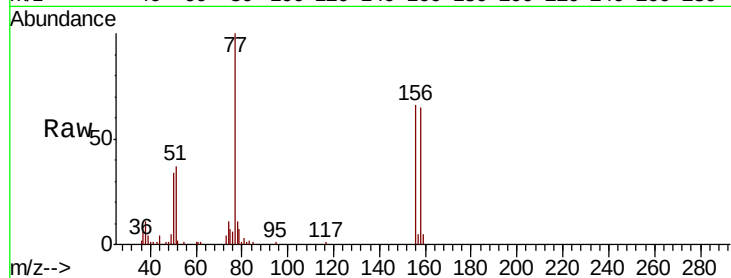
Tot Ion:156 Resp: 43815

Ion Ratio Lower Upper

156 100

77 151.0 70.2 210.4

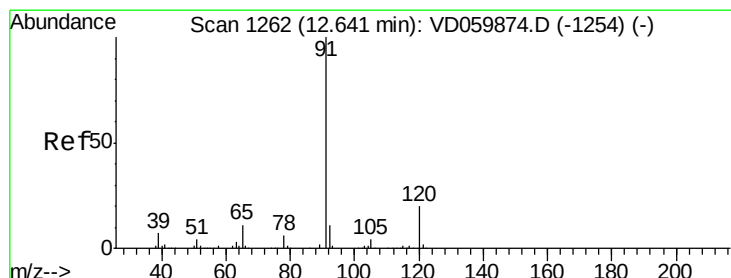
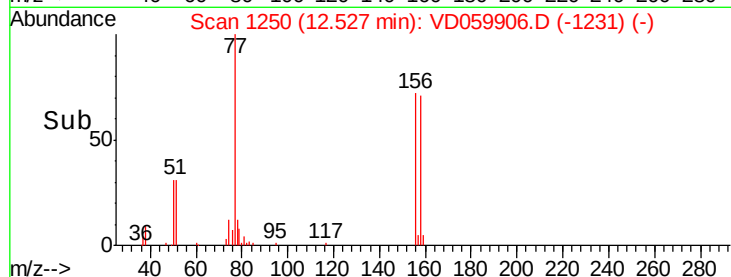
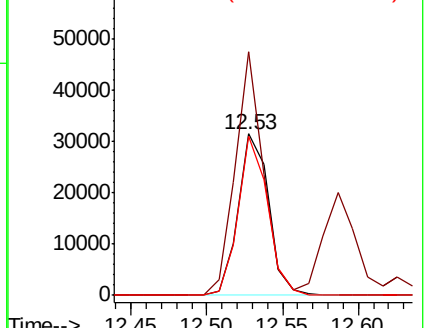
158 98.7 48.4 145.2



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: 34.83 ug/l

RT: 12.63 min Scan# 1260

Delta R.T. -0.02 min

Lab File: VD059906.D

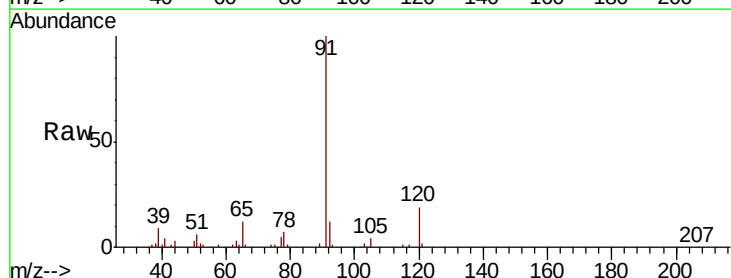
Acq: 24 Aug 2018 14:54

Tgt Ion: 91 Resp: 103406

Ion Ratio Lower Upper

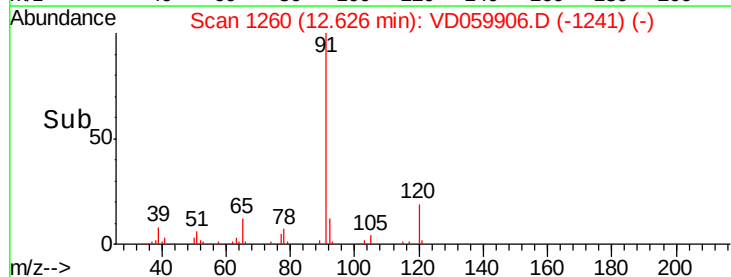
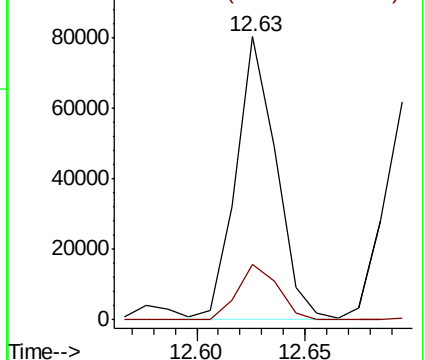
91 100

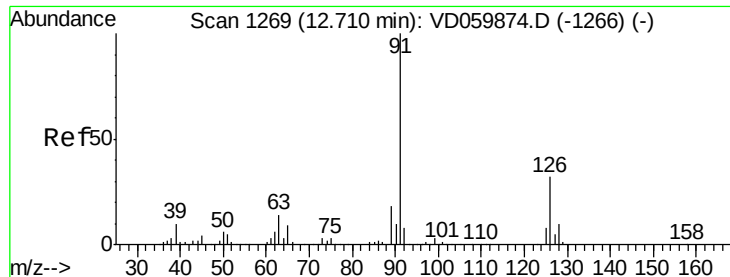
120 19.5 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

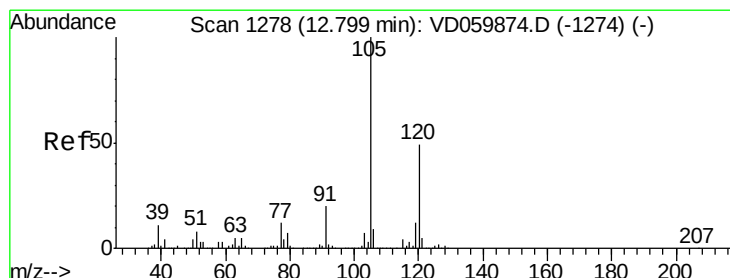
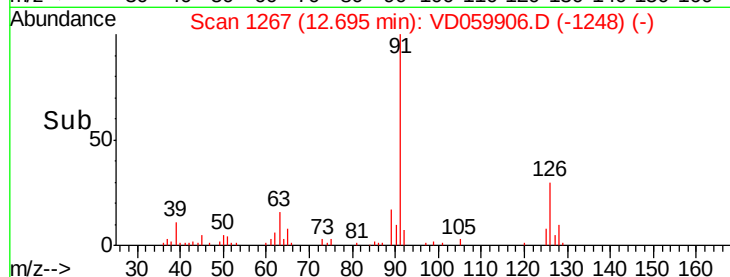
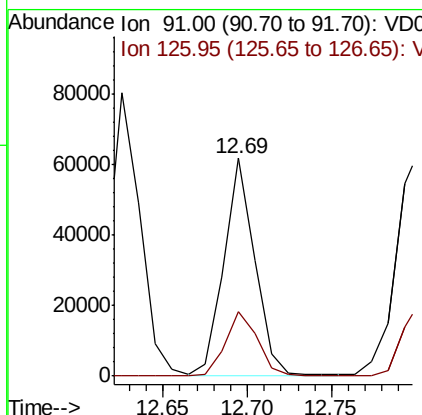
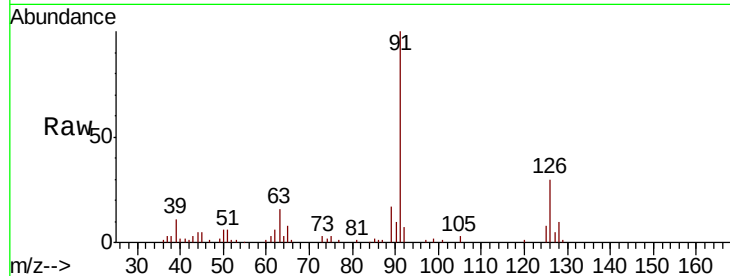




#79
 2-Chlorotoluene
 Concen: 47.38 ug/l
 RT: 12.69 min Scan# 1267
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

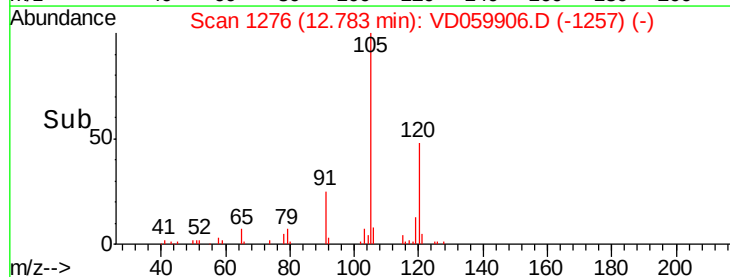
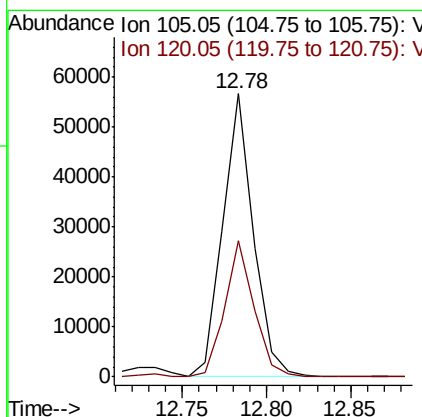
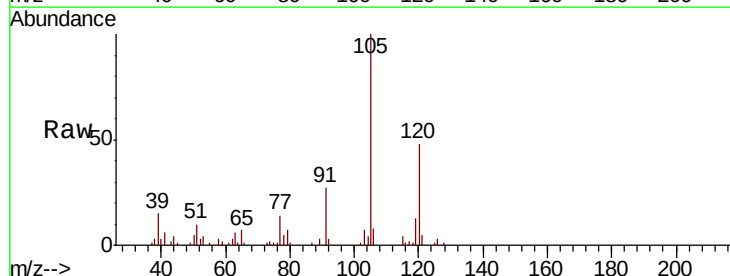
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

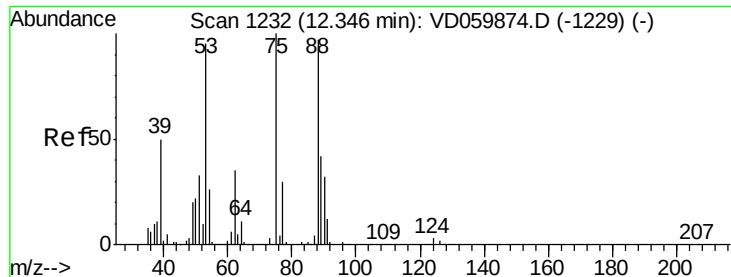
Tot Ion: 91 Resp: 79560
 Ion Ratio Lower Upper
 91 100
 126 29.7 16.1 48.2



#80
 1,3,5-Trimethylbenzene
 Concen: 38.21 ug/l
 RT: 12.78 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 105 Resp: 71229
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 136.67 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. -0.02 min

Lab File: VD059906.D

Acq: 24 Aug 2018 14:54

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053MSD

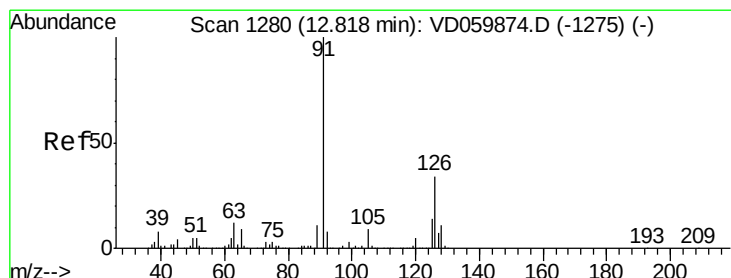
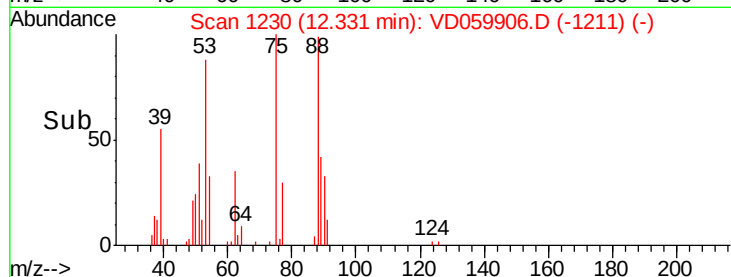
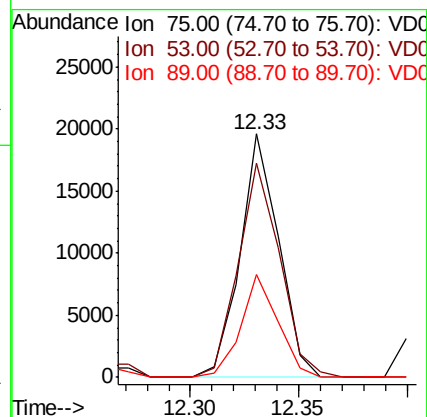
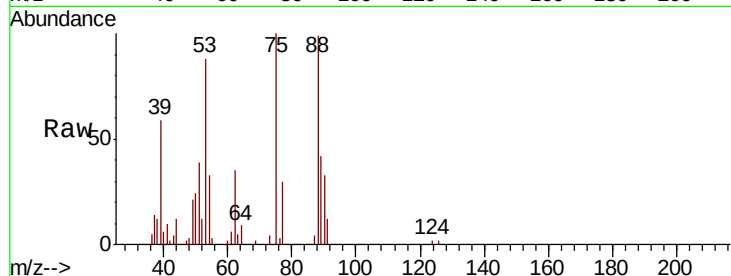
Tot Ion: 75 Resp: 24269

Ion Ratio Lower Upper

75 100

53 88.0 75.8 113.6

89 42.3 33.6 50.4



#82

4-Chlorotoluene

Concen: 50.64 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059906.D

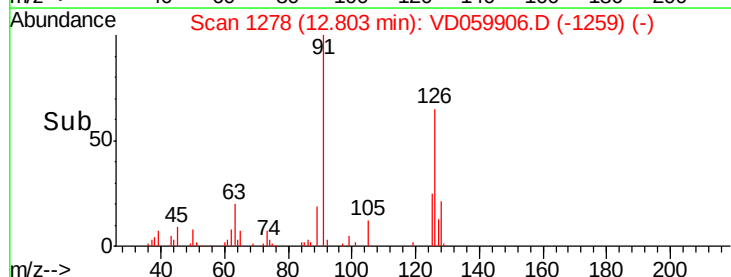
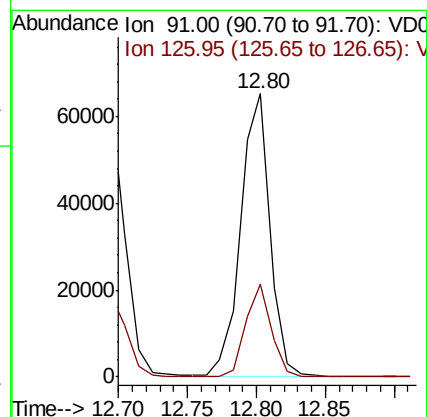
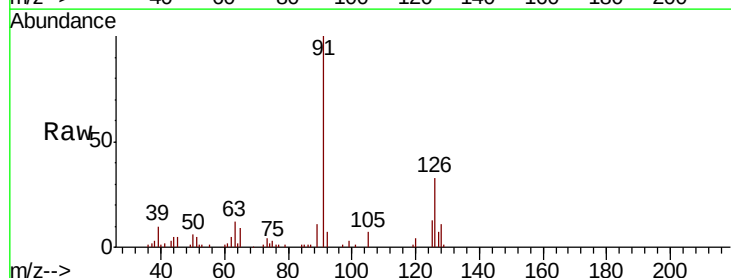
Acq: 24 Aug 2018 14:54

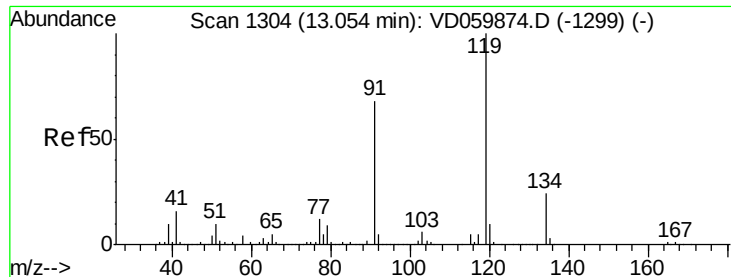
Tgt Ion: 91 Resp: 96990

Ion Ratio Lower Upper

91 100

126 32.9 17.1 51.2

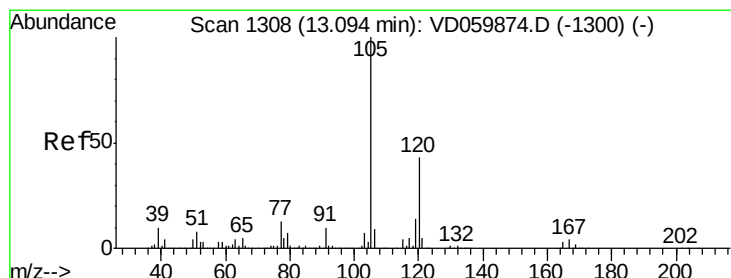
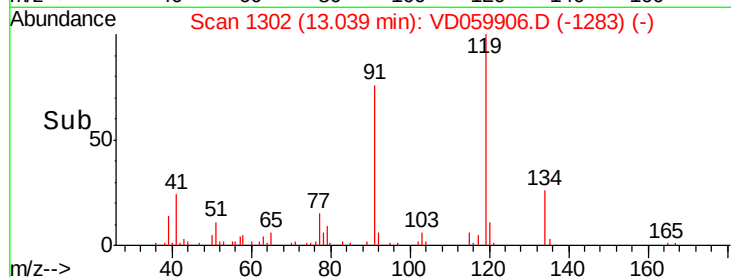
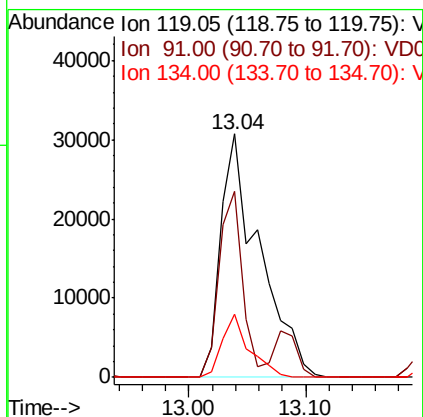
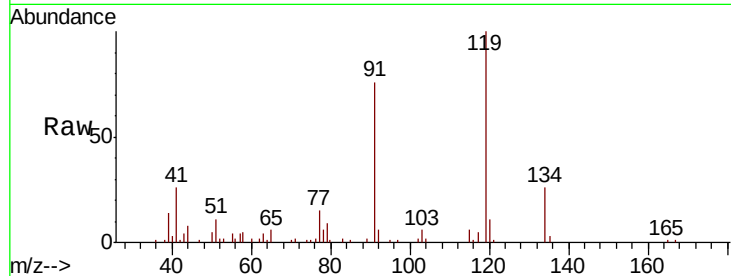




#83
 tert-Butylbenzene
 Concen: 33.23 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

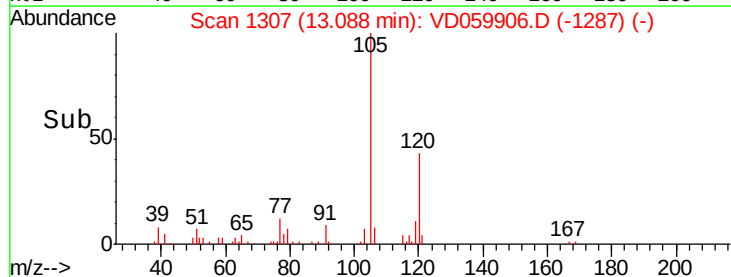
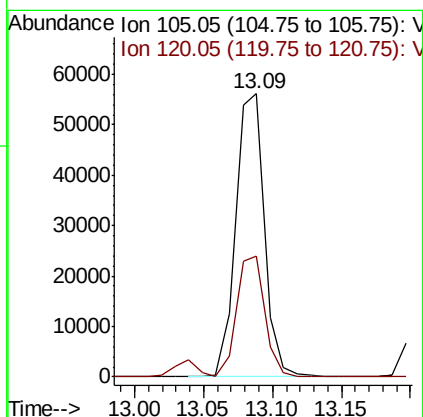
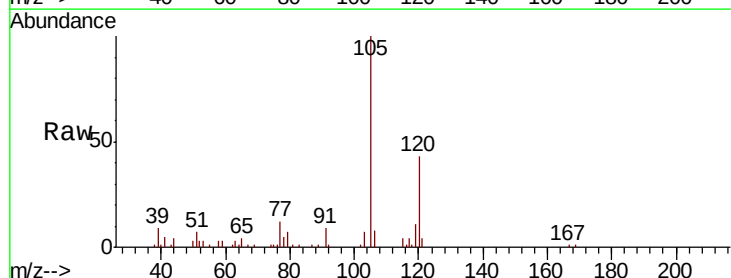
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

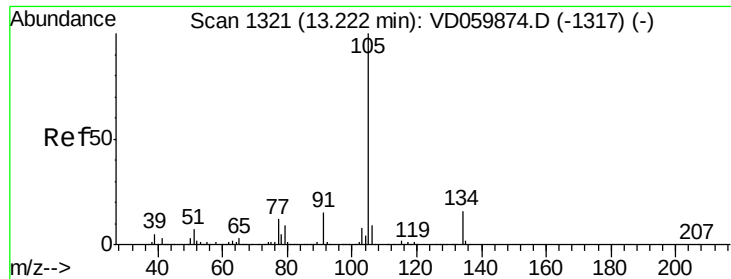
Tot Ion:119 Resp: 70568
 Ion Ratio Lower Upper
 119 100
 91 76.3 34.3 102.9
 134 26.1 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 41.77 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion:105 Resp: 81162
 Ion Ratio Lower Upper
 105 100
 120 42.8 21.8 65.3

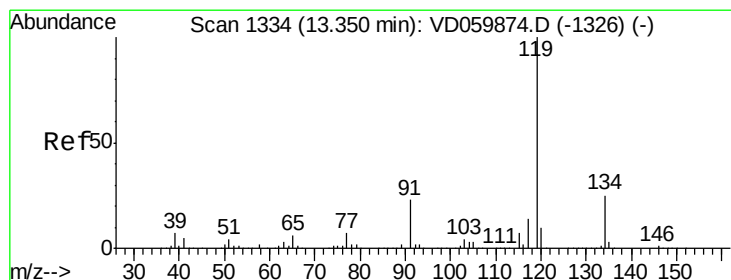
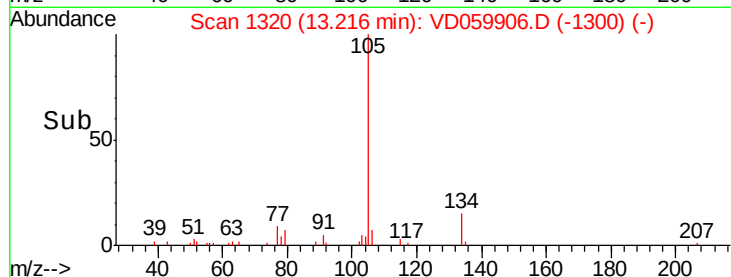
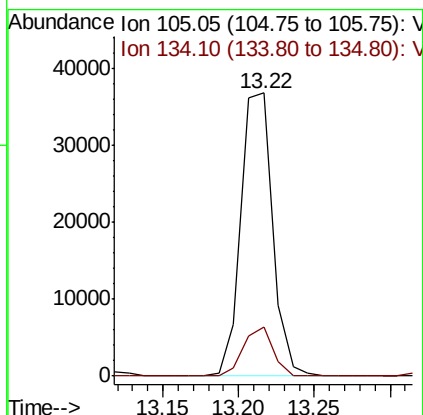
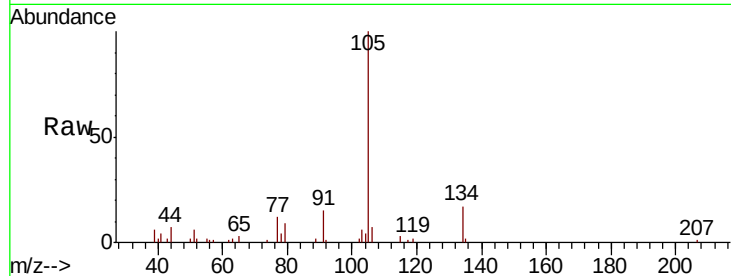




#85
 sec-Butylbenzene
 Concen: 21.54 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

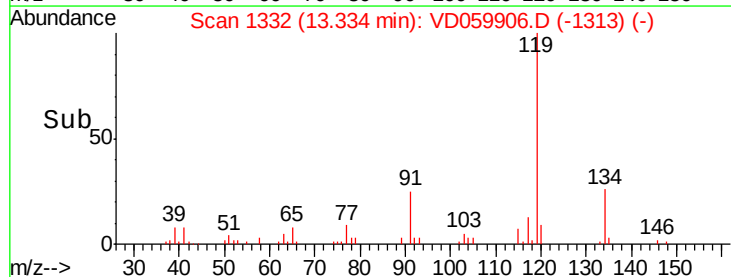
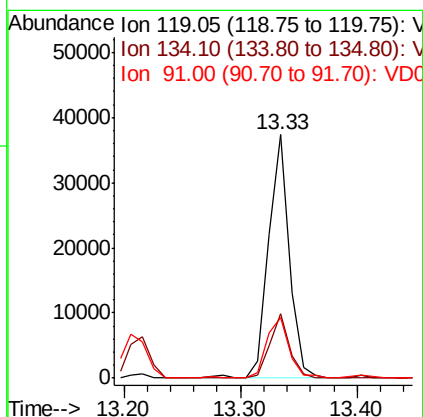
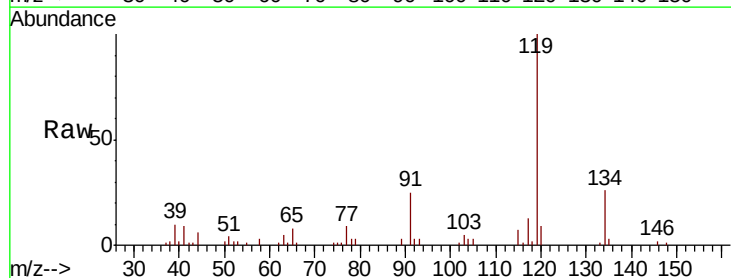
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

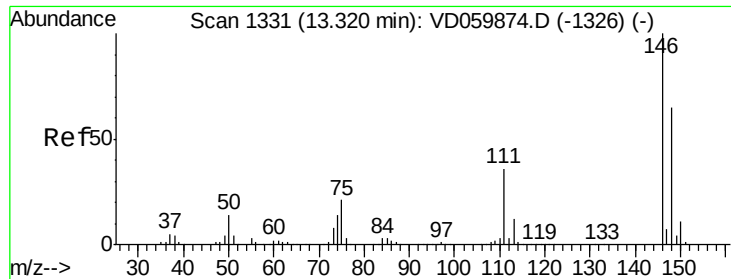
Tot Ion:105 Resp: 53787
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 22.70 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion:119 Resp: 46104
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.7 38.1
 91 24.7 11.7 35.0

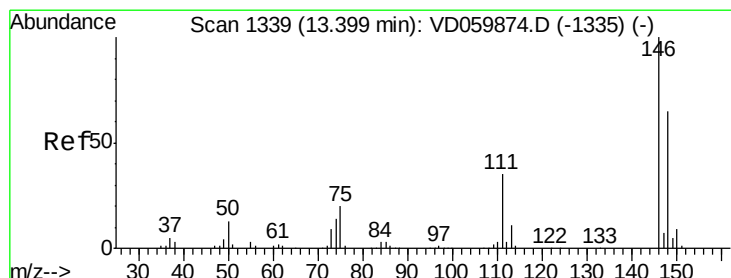
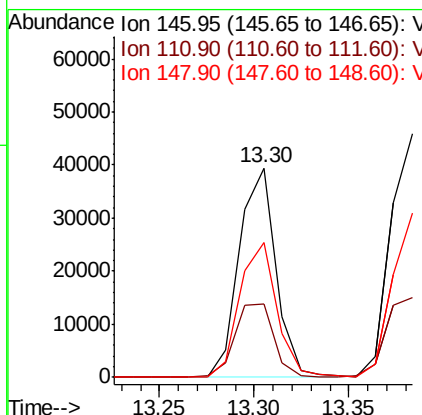
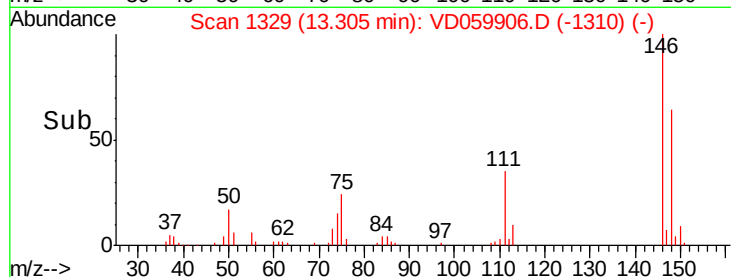
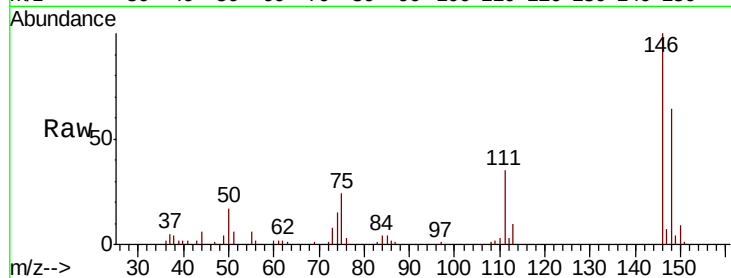




#87
 1,3-Dichlorobenzene
 Concen: 45.78 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

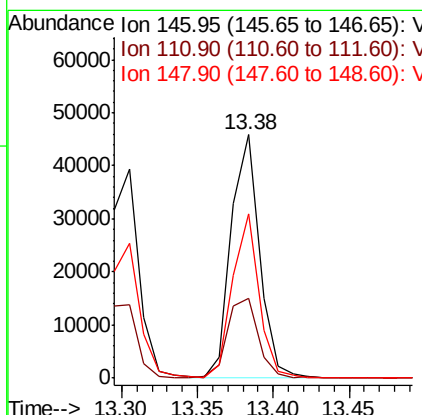
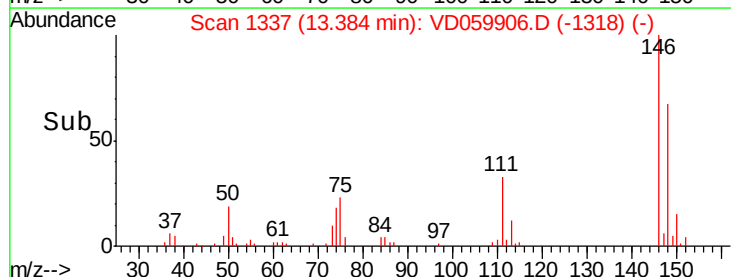
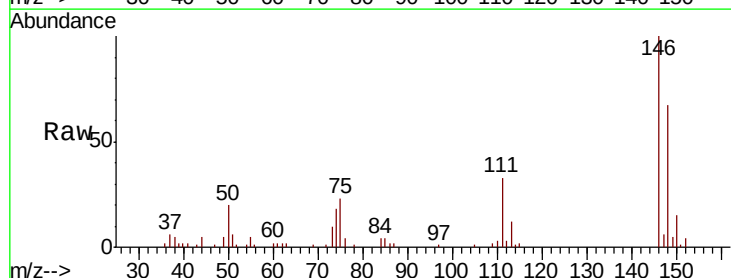
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

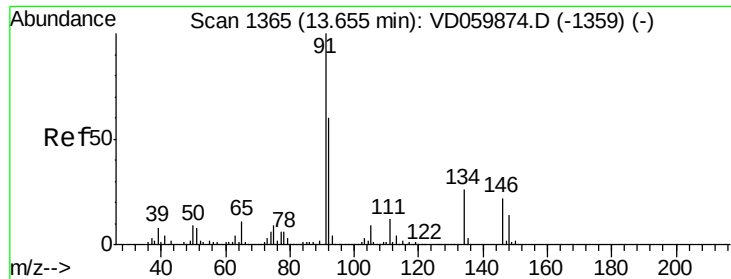
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	17.9	53.7
148	64.2	32.4	97.0



#88
 1,4-Dichlorobenzene
 Concen: 51.50 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.5	17.5	52.6
148	67.3	32.5	97.5

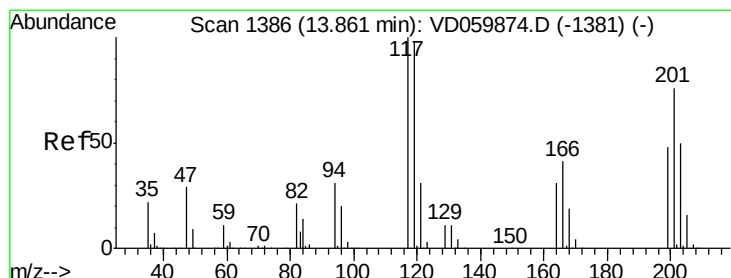
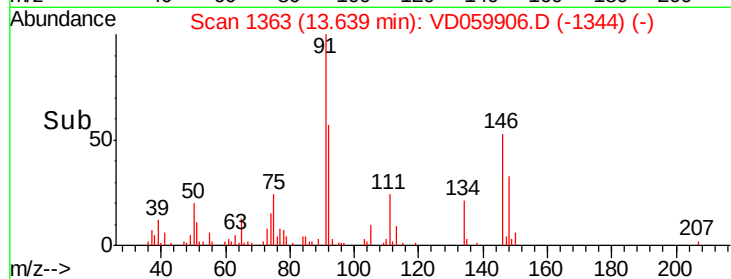
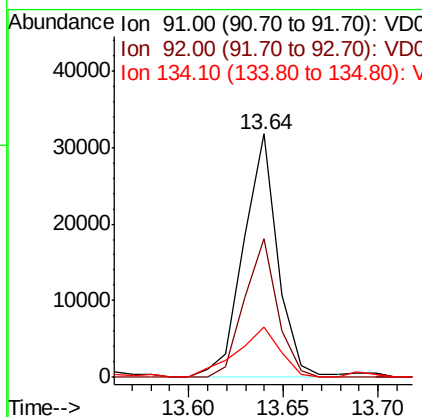
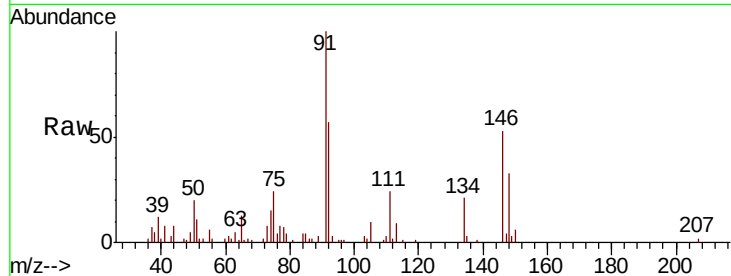




#89
n-Butylbenzene
Concen: 17.88 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

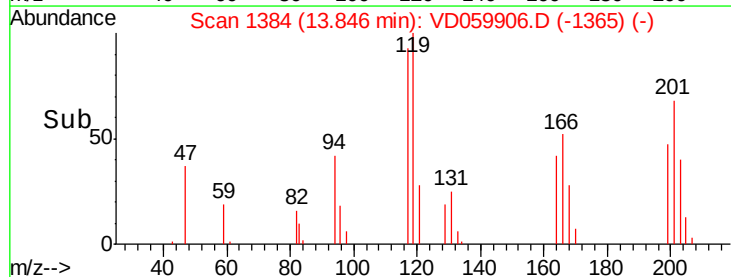
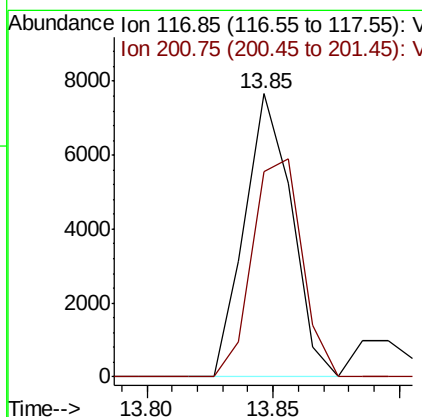
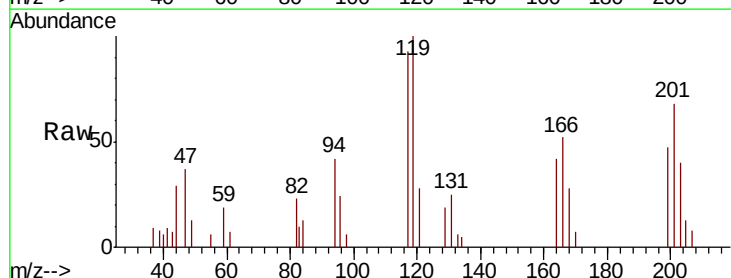
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053MSD

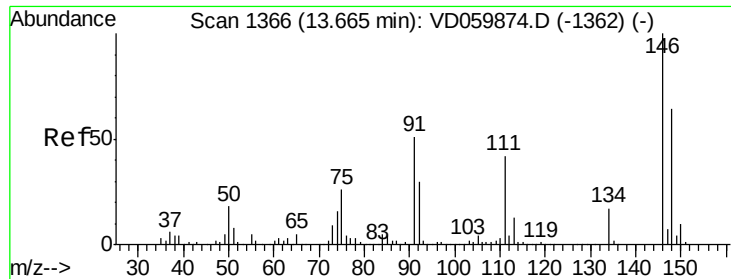
Tot Ion: 91 Resp: 39795
Ion Ratio Lower Upper
91 100
92 57.1 30.0 90.1
134 20.5 12.8 38.4



#90
Hexachloroethane
Concen: 18.28 ug/l
RT: 13.85 min Scan# 1384
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion: 117 Resp: 9967
Ion Ratio Lower Upper
117 100
201 72.5 38.1 114.5

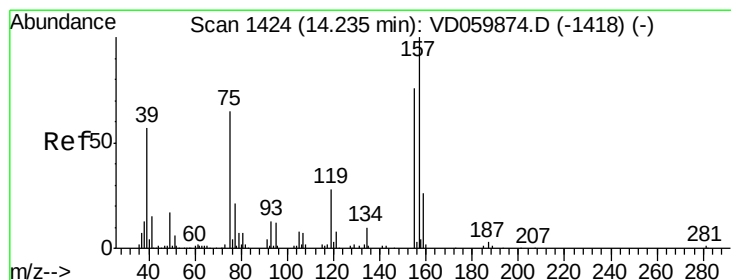
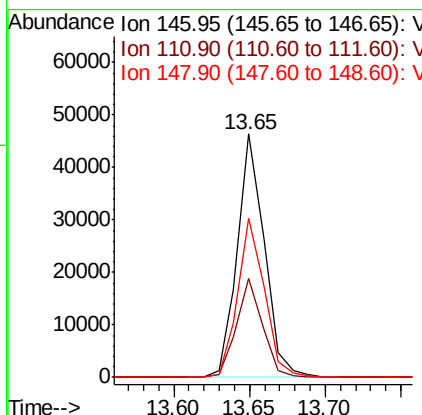
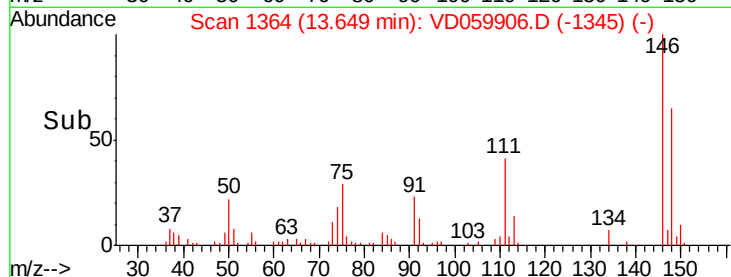
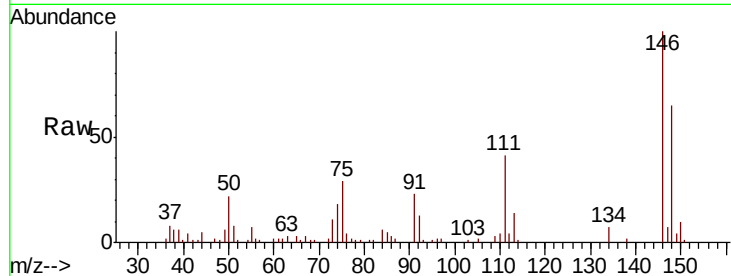




#91
 1,2-Dichlorobenzene
 Concen: 58.30 ug/l
 RT: 13.65 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

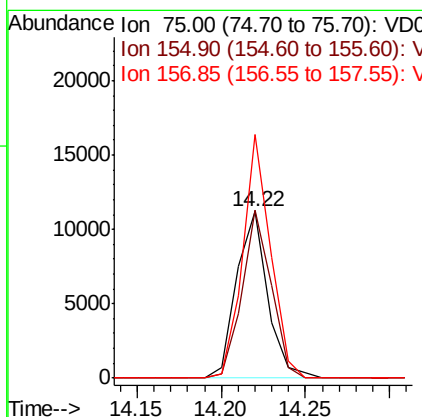
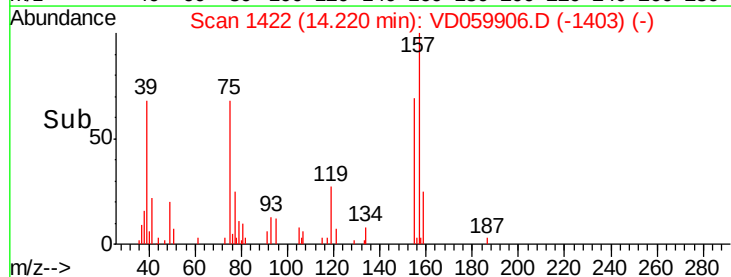
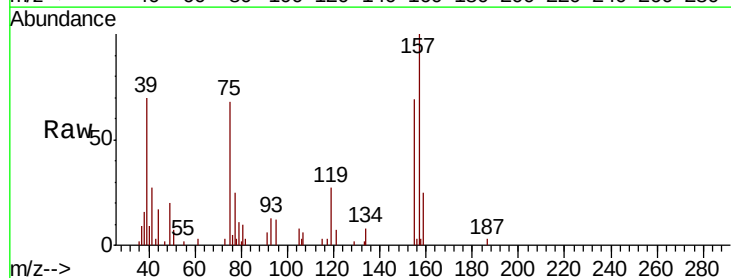
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053MSD

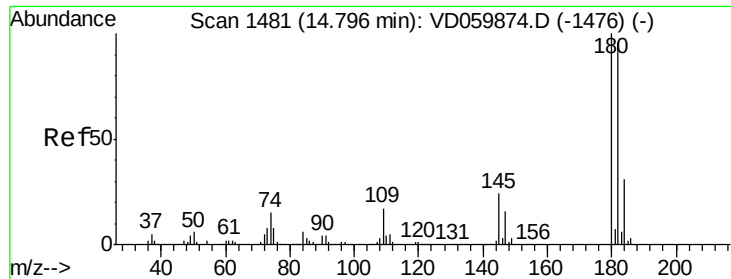
Tot Ion:146 Resp: 57528
 Ion Ratio Lower Upper
 146 100
 111 40.7 21.1 63.1
 148 65.3 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 172.05 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion: 75 Resp: 14346
 Ion Ratio Lower Upper
 75 100
 155 101.0 58.2 174.6
 157 146.2 76.8 230.4

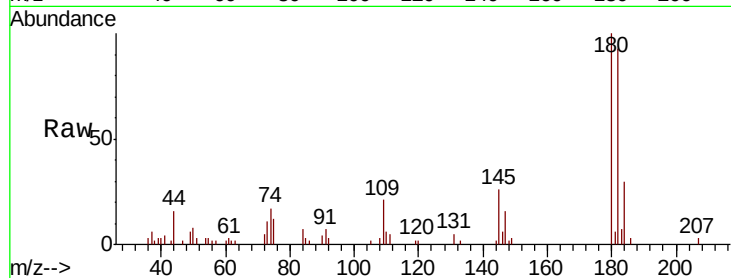




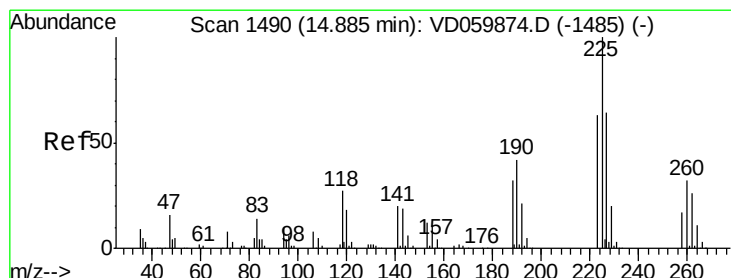
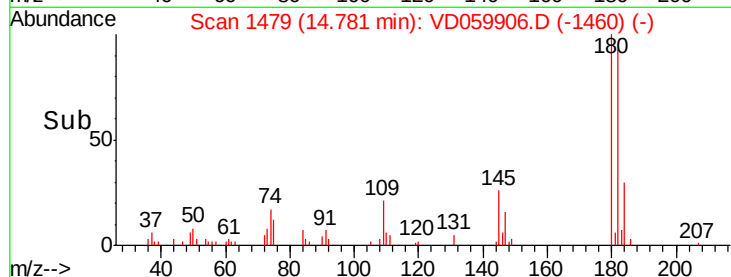
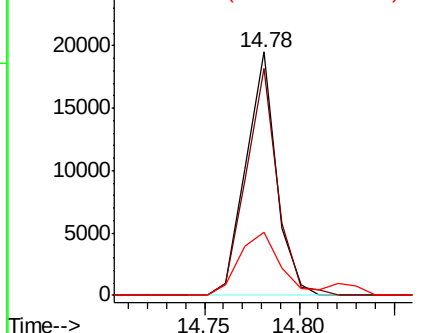
#93
 1,2,4-Trichlorobenzene
 Concen: 25.68 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

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

Tot Ion:180 Resp: 21700
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.9 143.7
 145 25.9 12.2 36.4

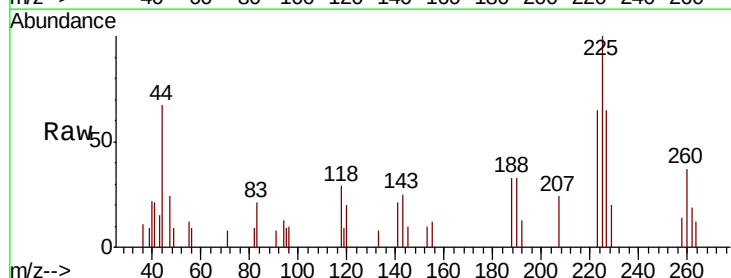


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

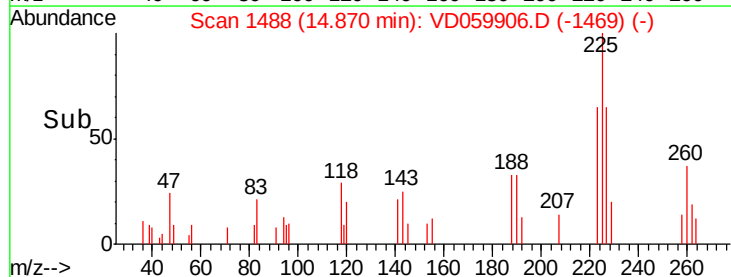
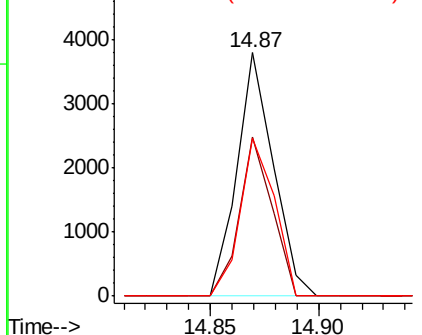


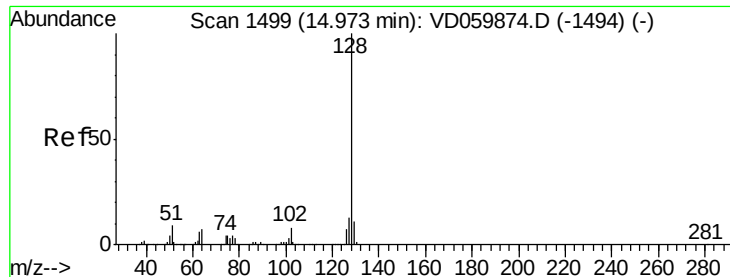
#94
 Hexachlorobutadiene
 Concen: 8.00 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.02 min
 Lab File: VD059906.D
 Acq: 24 Aug 2018 14:54

Tgt Ion:225 Resp: 4433
 Ion Ratio Lower Upper
 225 100
 223 65.3 31.6 94.8
 227 64.8 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

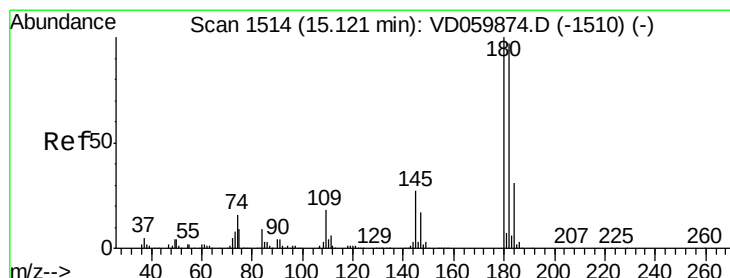
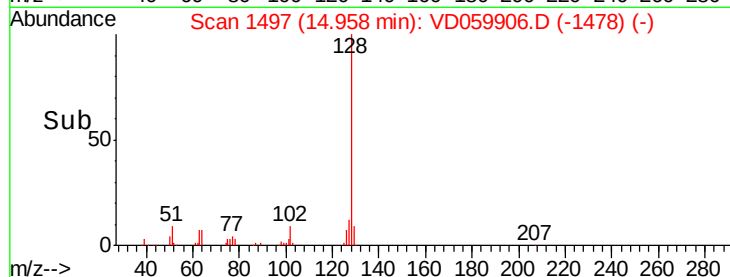
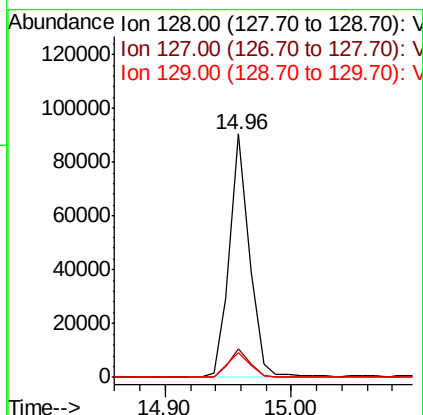
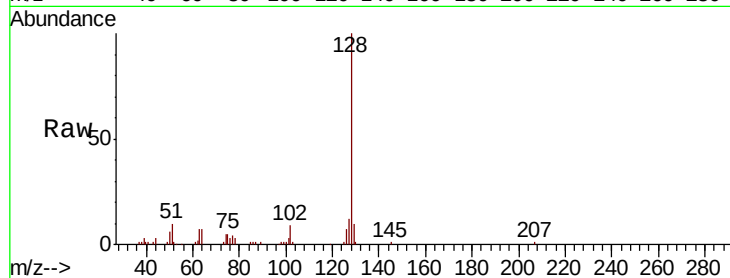




#95
Naphthalene
Concen: 77.83 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

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

Tot Ion:128 Resp: 100495
Ion Ratio Lower Upper
128 100
127 11.9 10.0 15.0
129 10.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 30.10 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.02 min
Lab File: VD059906.D
Acq: 24 Aug 2018 14:54

Tgt Ion:180 Resp: 21753
Ion Ratio Lower Upper
180 100
182 100.9 48.6 145.8
145 31.8 13.6 40.8

