

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082318\
 Data File : VD059897.D
 Acq On : 23 Aug 2018 19:26
 Operator : JC/SY
 Sample : J4559--10MS
 Misc : 5.10µl/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Aug 24 05:28:46 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	57476	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	90119	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	72544	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	27092	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.77	65	50837	104.94	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	209.88%	
35) Dibromofluoromethane	6.30	113	43751	61.92	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	123.84%	
50) Toluene-d8	9.44	98	97323	49.63	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.42	95	36664	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	24467	47.62	ug/l	99
3) Chloromethane	1.73	50	27967	60.09	ug/l	93
4) Vinyl Chloride	1.83	62	17880	48.99	ug/l	96
5) Bromomethane	2.13	94	12317	195.48	ug/l	92
6) Chloroethane	2.24	64	8819	Below	Cal	97
7) Trichlorofluoromethane	2.49	101	23422	55.48	ug/l	95
8) Diethyl Ether	2.80	74	9852	104.01	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	3.07	101	9577	37.04	ug/l	95
10) Methyl Iodide	3.22	142	10858	40.15	ug/l #	91
11) Tert butyl alcohol	3.94	59	58275	1576.56	ug/l #	91
12) 1,1-Dichloroethene	3.06	96	10460	51.97	ug/l	96
13) Acrolein	2.96	56	11813	736.84	ug/l	89
14) Allyl chloride	3.51	41	34743	76.30	ug/l #	92
15) Acrylonitrile	4.06	53	171429	1238.47	ug/l	100
16) Acetone	3.13	43	138295	1566.93	ug/l	97
17) Carbon Disulfide	3.29	76	26752	42.82	ug/l	98
18) Methyl Acetate	3.53	43	107297	582.36	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	122023	107.16	ug/l	94
20) Methylene Chloride	3.70	84	47079	82.33	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	28773	51.88	ug/l	93
22) Diisopropyl ether	4.83	45	185108	79.71	ug/l	99
23) Vinyl Acetate	4.78	43	469619	361.73	ug/l	98
24) 1,1-Dichloroethane	4.73	63	62876	62.67	ug/l	99
25) 2-Butanone	5.60	43	355227	1358.97	ug/l	98
26) 2,2-Dichloropropane	5.57	77	44814	53.43	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	40063	65.98	ug/l	95
28) Bromochloromethane	5.90	49	41092	85.46	ug/l	85
29) Tetrahydrofuran	5.93	42	171654	1379.37	ug/l	97
30) Chloroform	6.09	83	70406	69.05	ug/l	94
31) Cyclohexane	6.35	56	20820	22.57	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	43234	49.96	ug/l	95
36) 1,1-Dichloropropene	6.51	75	32311	39.55	ug/l	98
37) Ethyl Acetate	5.67	43	95517	150.25	ug/l #	93
38) Carbon Tetrachloride	6.48	117	30662	37.19	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	9027	10.23	ug/l	93
40) Benzene	6.78	78	117798	55.46	ug/l	99
41) Methacrylonitrile	5.93	41	151751	473.89	ug/l #	77
42) 1,2-Dichloroethane	6.87	62	57304	84.03	ug/l	98
43) Isopropyl Acetate	8.34	43	94044	113.71	ug/l #	93
44) Trichloroethene	7.72	130	27148	43.41	ug/l	98
45) 1,2-Dichloropropane	8.08	63	36920	62.18	ug/l	97
46) Dibromomethane	8.20	93	33018	86.49	ug/l	92
47) Bromodichloromethane	8.48	83	56387	65.24	ug/l	93
48) Methyl methacrylate	8.23	41	76110	157.87	ug/l	98
49) 1,4-Dioxane	8.21	88	23147	5377.84	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	640726	1039.18	ug/l	97
52) Toluene	9.54	92	62260	45.71	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	58276	72.90	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	61134	65.96	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	44349	89.07	ug/l	94
56) Ethyl methacrylate	10.02	69	55431	96.47	ug/l	96
57) 1,3-Dichloropropane	10.38	76	59831	83.03	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.91	63	166551	604.20	ug/l	98
59) 2-Hexanone	10.48	43	505881	1112.39	ug/l	94
60) Dibromochloromethane	10.63	129	46155	73.75	ug/l	97
61) 1,2-Dibromoethane	10.75	107	47106	93.57	ug/l	99
64) Tetrachloroethene	10.24	164	18146	32.35	ug/l	92
65) Chlorobenzene	11.30	112	70088	48.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.41	131	29355	55.74	ug/l	99
67) Ethyl Benzene	11.42	91	98376	40.56	ug/l	96
68) m/p-Xylenes	11.56	106	68787	77.90	ug/l	91
69) o-Xylene	11.93	106	35695	41.33	ug/l	93
70) Styrene	11.95	104	66645	44.57	ug/l	94
71) Bromoform	12.11	173	40936	89.83	ug/l	98
73) Isopropylbenzene	12.27	105	60002	34.70	ug/l	99
74) N-amyl acetate	12.13	43	74328	98.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	70202	175.50	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	82528	195.99	ug/l	98
77) Bromobenzene	12.53	156	31742	66.20	ug/l	97
78) n-propylbenzene	12.63	91	73327	33.48	ug/l	93
79) 2-Chlorotoluene	12.70	91	56038	45.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.79	105	48801	35.49	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	21735	165.94	ug/l	96
82) 4-Chlorotoluene	12.81	91	71275	50.46	ug/l	96
83) tert-Butylbenzene	13.04	119	50731	32.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	57602	40.19	ug/l	100
85) sec-Butylbenzene	13.21	105	36306	19.71	ug/l	99
86) p-Isopropyltoluene	13.34	119	30336	20.25	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	36074	42.14	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	40556	47.49	ug/l	98
89) n-Butylbenzene	13.64	91	26830	16.17	ug/l	99
90) Hexachloroethane	13.85	117	6497	16.15	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	39407	54.14	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	12444	202.33	ug/l	95

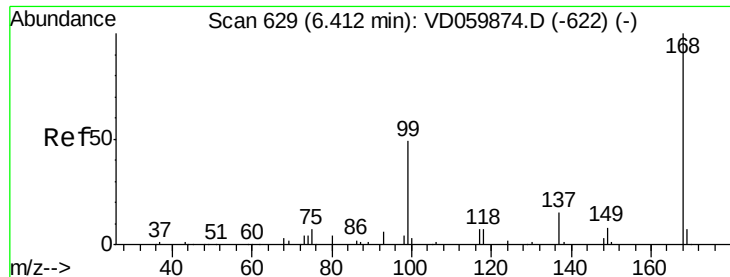
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	14178	22.75	ug/l	88
94) Hexachlorobutadiene	14.88	225	3029	7.41	ug/l	92
95) Naphthalene	14.96	128	76434	80.26	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	14239	26.71	ug/l	92

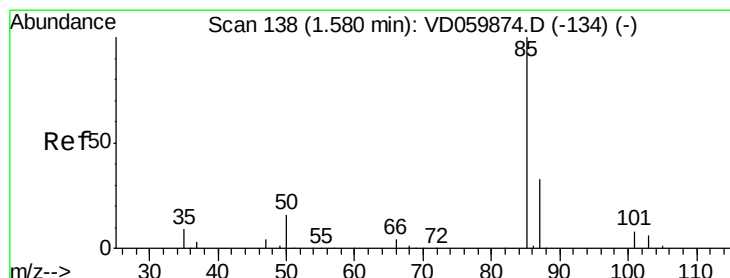
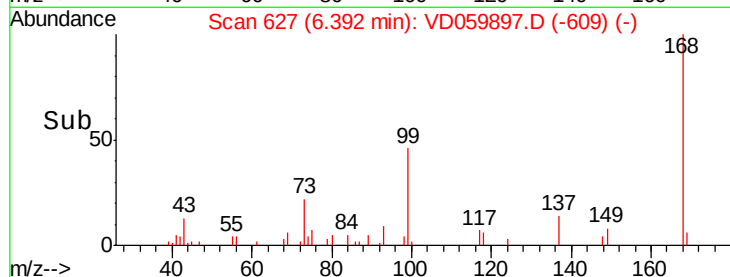
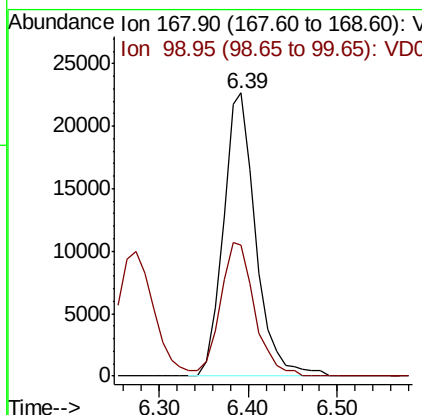
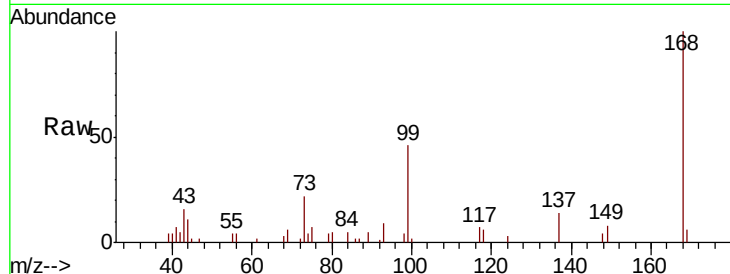
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.39 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

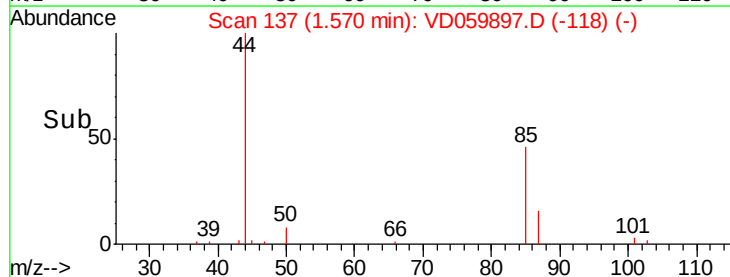
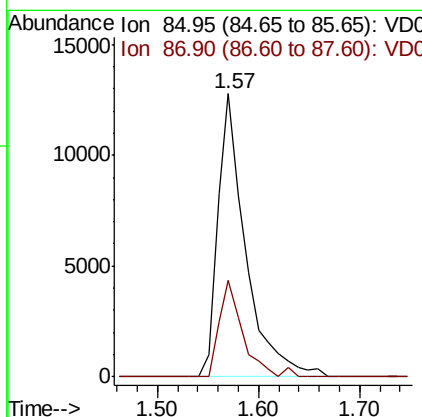
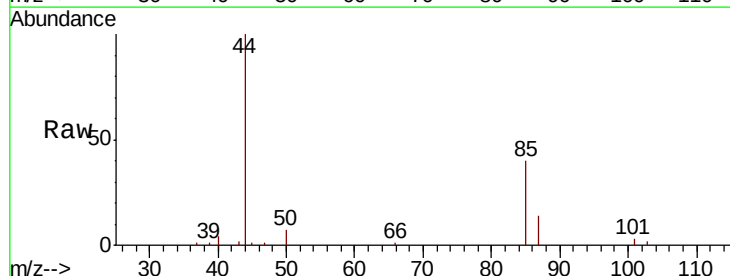
Instrument :
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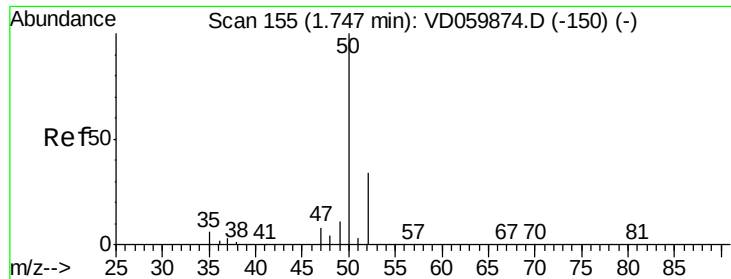
Tot Ion:168 Resp: 57476
Ion Ratio Lower Upper
168 100
99 46.4 42.2 63.2



#2
Dichlorodifluoromethane
Concen: 47.62 ug/l
RT: 1.57 min Scan# 137
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 85 Resp: 24467
Ion Ratio Lower Upper
85 100
87 34.0 16.8 50.3





#3

Chloromethane

Concen: 60.09 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

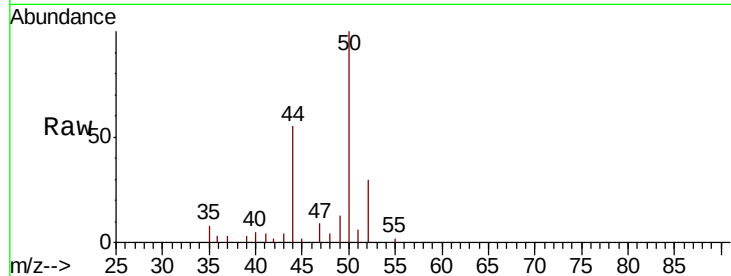
RA-081718-WSW-20-053

Tot Ion: 50 Resp: 27967

Ion Ratio Lower Upper

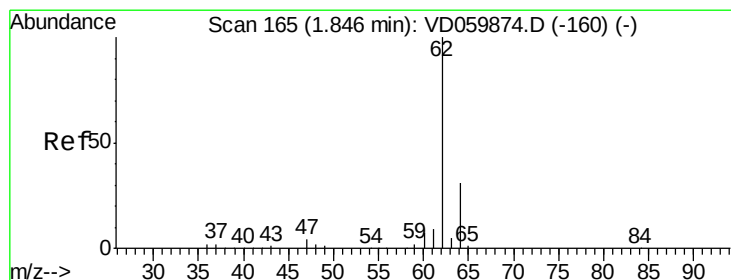
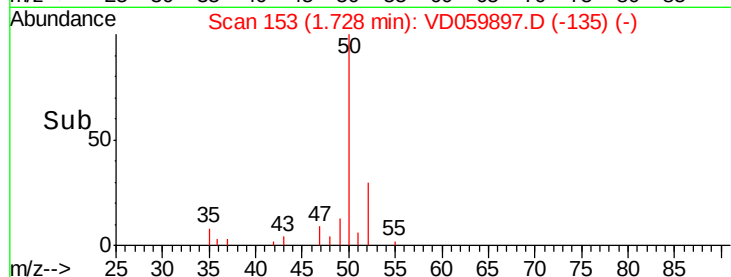
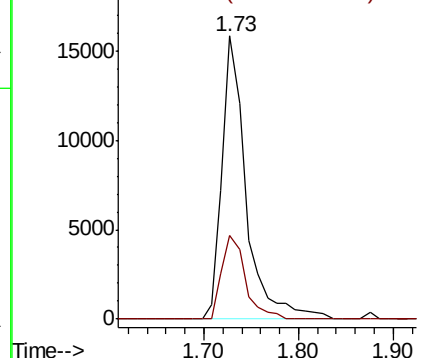
50 100

52 29.6 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: 48.99 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059897.D

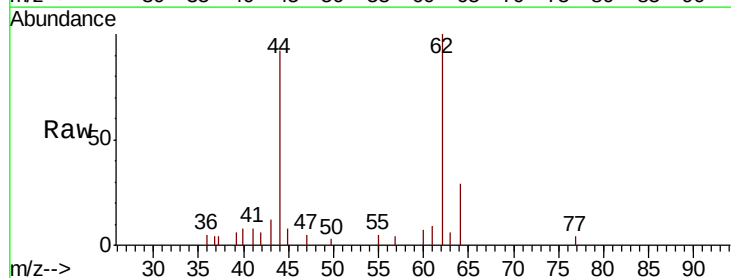
Acq: 23 Aug 2018 19:26

Tgt Ion: 62 Resp: 17880

Ion Ratio Lower Upper

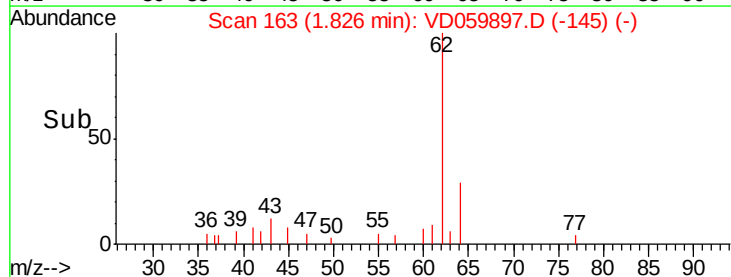
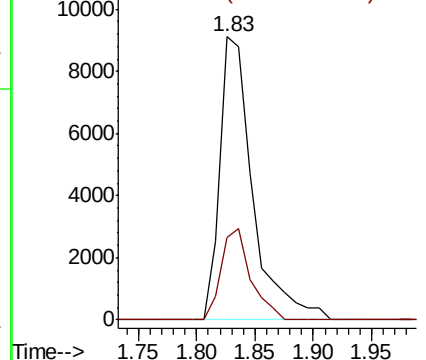
62 100

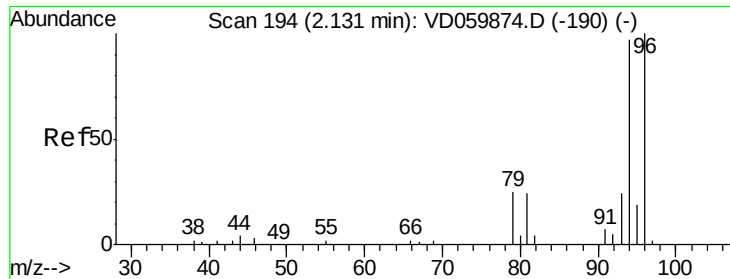
64 29.1 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 195.48 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

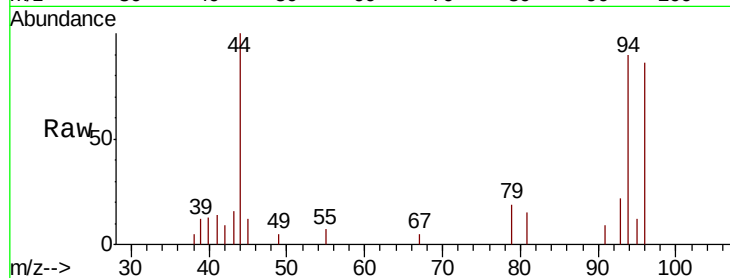
RA-081718-WSW-20-053

Tot Ion: 94 Resp: 12317

Ion Ratio Lower Upper

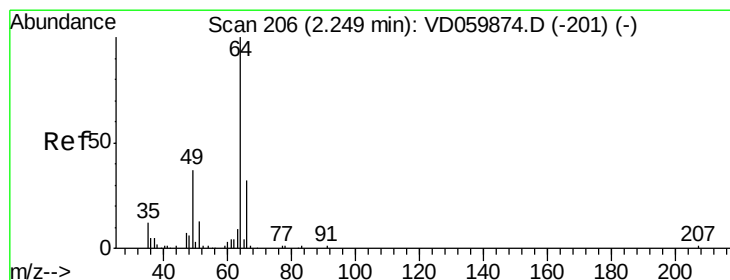
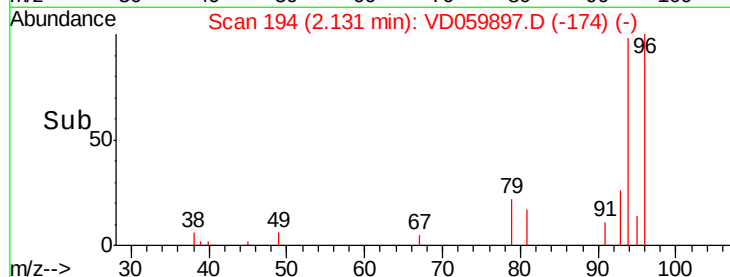
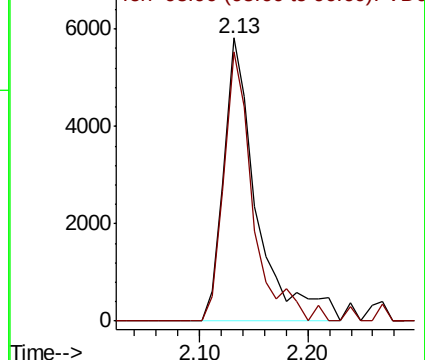
94 100

96 95.2 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: VD059897.D

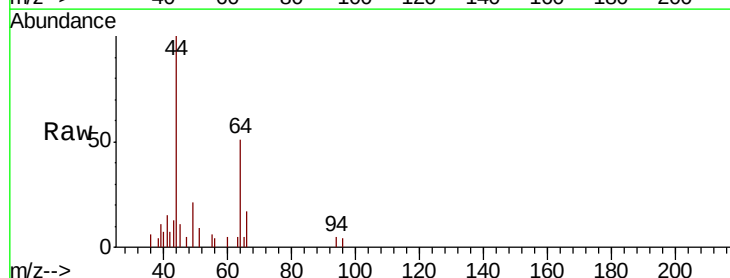
Acq: 23 Aug 2018 19:26

Tgt Ion: 64 Resp: 8819

Ion Ratio Lower Upper

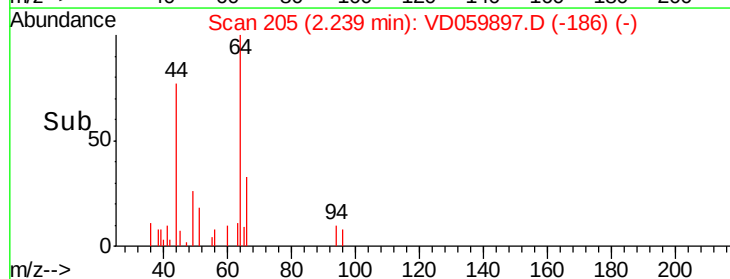
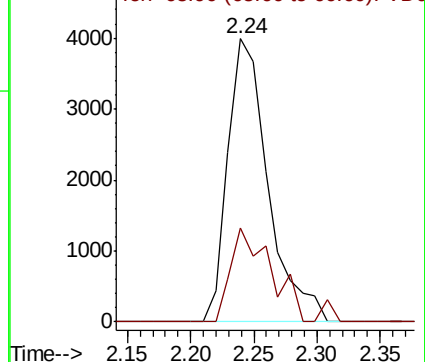
64 100

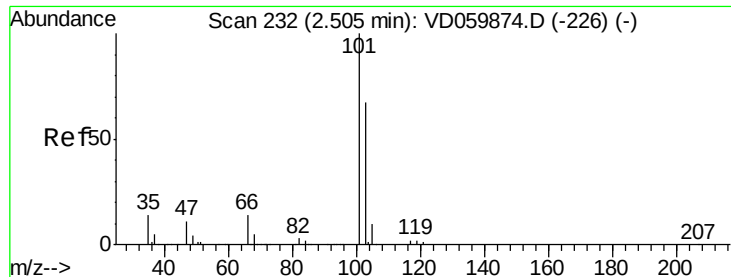
66 33.2 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 55.48 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

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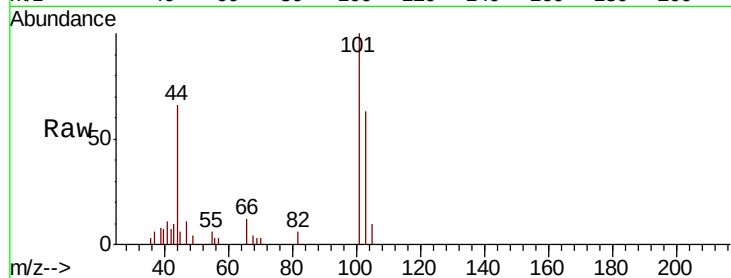
RA-081718-WSW-20-053

Tot Ion:101 Resp: 23422

Ion Ratio Lower Upper

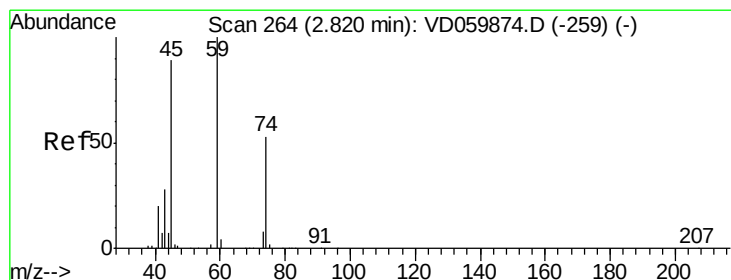
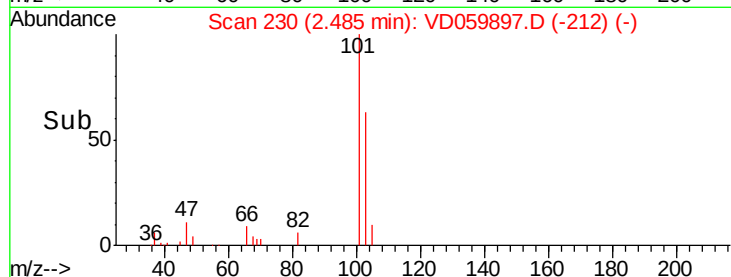
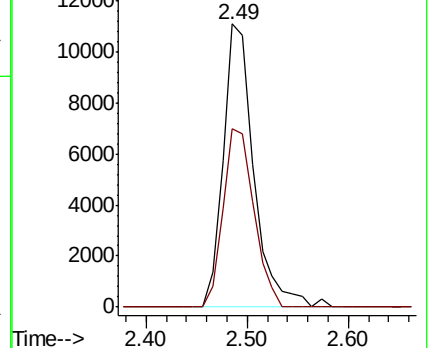
101 100

103 63.2 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 104.01 ug/l

RT: 2.80 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD059897.D

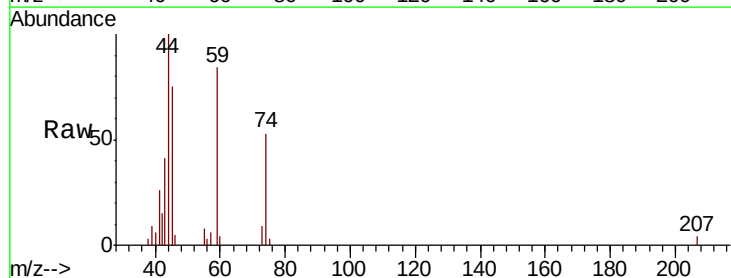
Acq: 23 Aug 2018 19:26

Tgt Ion: 74 Resp: 9852

Ion Ratio Lower Upper

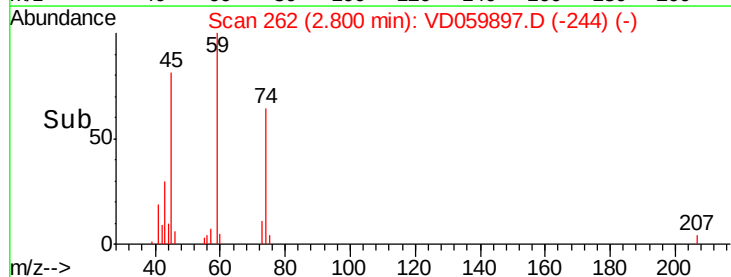
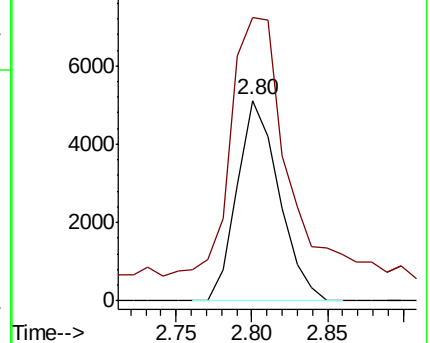
74 100

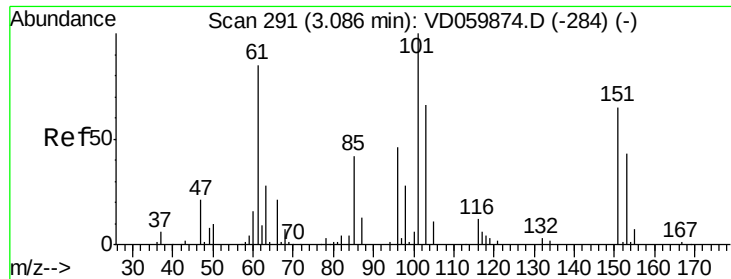
45 141.0 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 37.04 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059897.D

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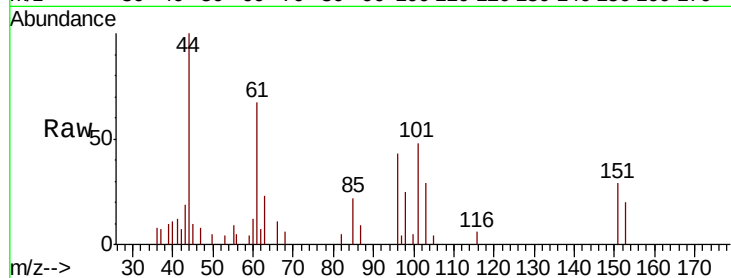
Tot Ion:101 Resp: 9577

Ion Ratio Lower Upper

101 100

85 45.9 33.6 50.4

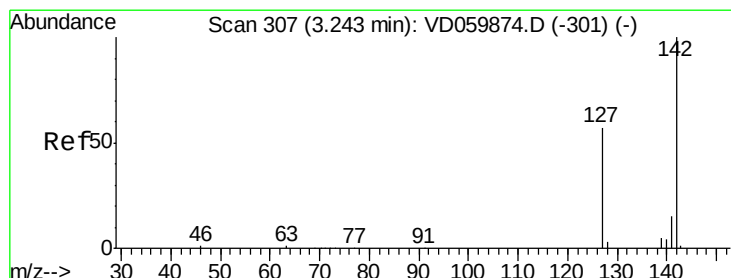
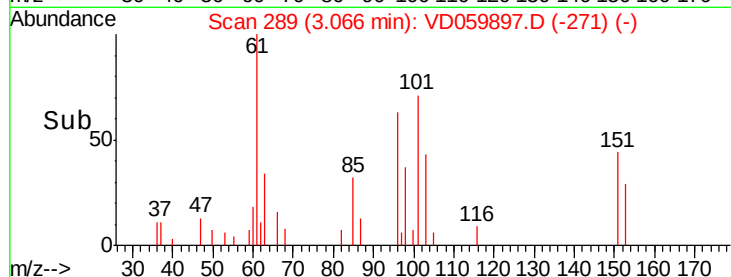
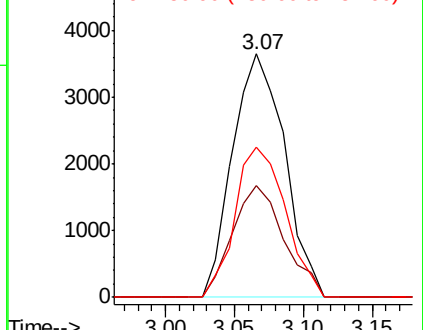
151 61.8 52.0 78.0



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: 40.15 ug/l

RT: 3.22 min Scan# 305

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

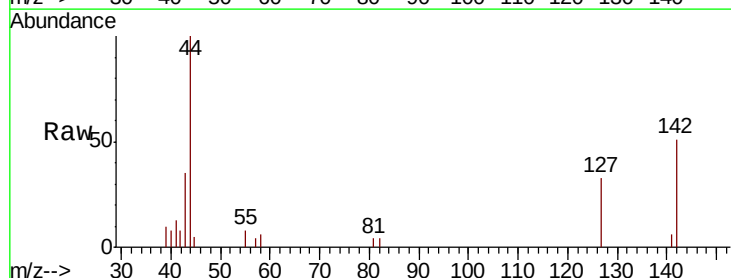
Tgt Ion:142 Resp: 10858

Ion Ratio Lower Upper

142 100

127 64.0 45.8 68.6

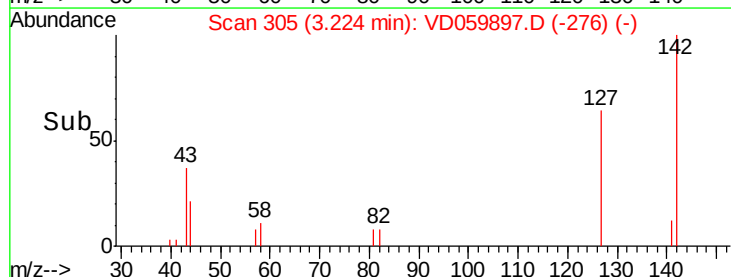
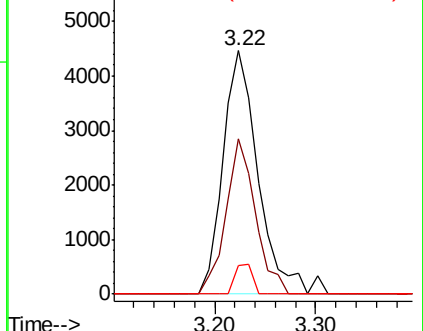
141 11.5 11.6 17.4#

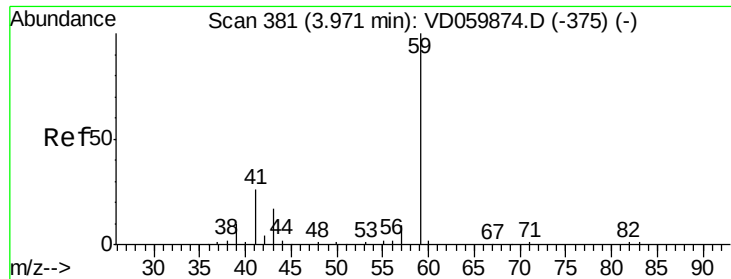


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



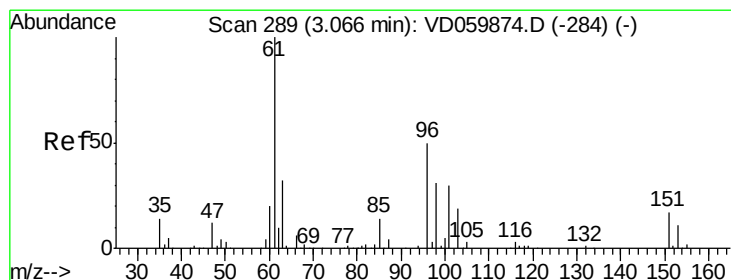
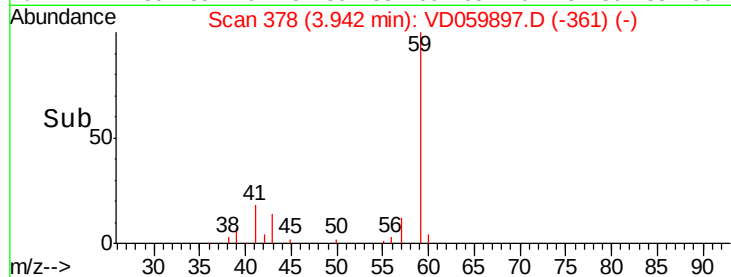
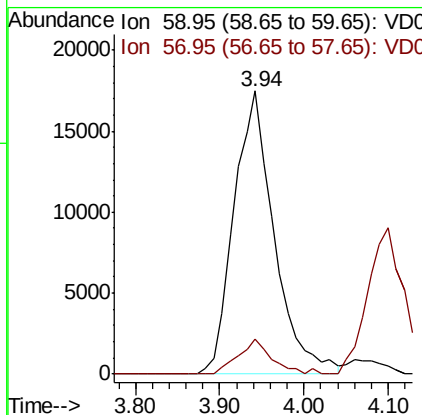
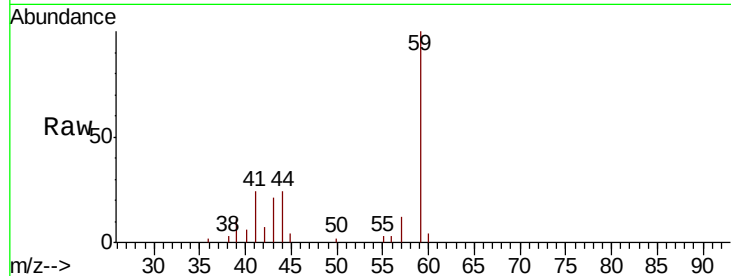


#11

Tert butyl alcohol
 Concen: 1576.56 ug/l
 RT: 3.94 min Scan# 378
 Delta R.T. -0.03 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

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

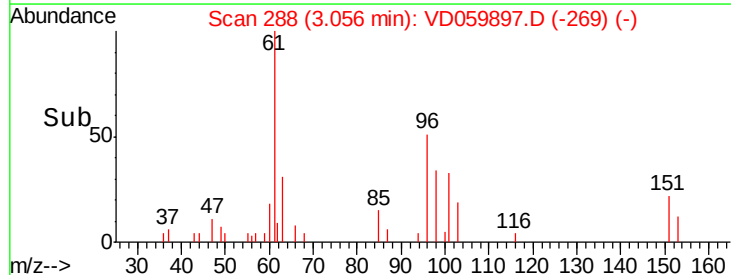
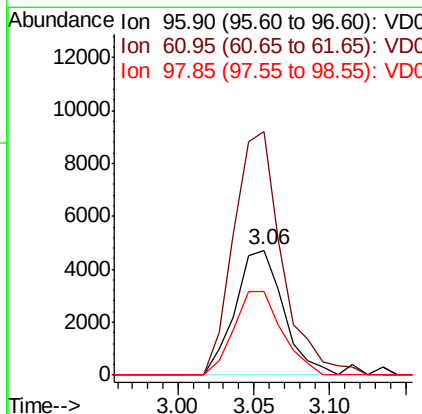
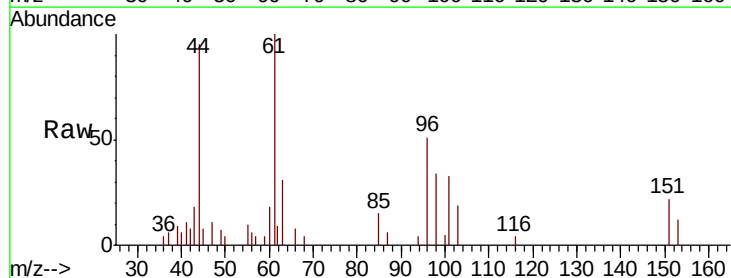
Tot Ion: 59 Resp: 58275
 Ion Ratio Lower Upper
 59 100
 57 12.4 7.4 11.0#

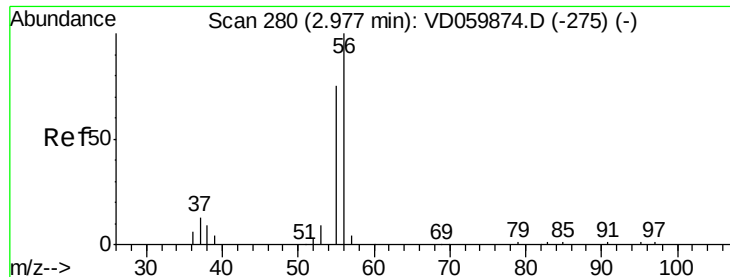


#12

1,1-Dichloroethene
 Concen: 51.97 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion: 96 Resp: 10460
 Ion Ratio Lower Upper
 96 100
 61 195.1 158.8 238.2
 98 66.9 48.7 73.1





#13

Acrolein

Concen: 736.84 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

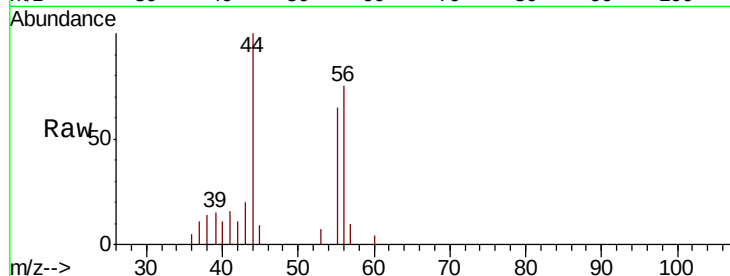
RA-081718-WSW-20-053

Tot Ion: 56 Resp: 11813

Ion Ratio Lower Upper

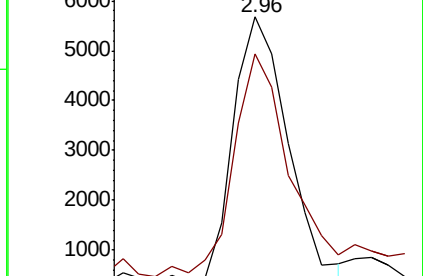
56 100

55 87.0 61.9 92.9

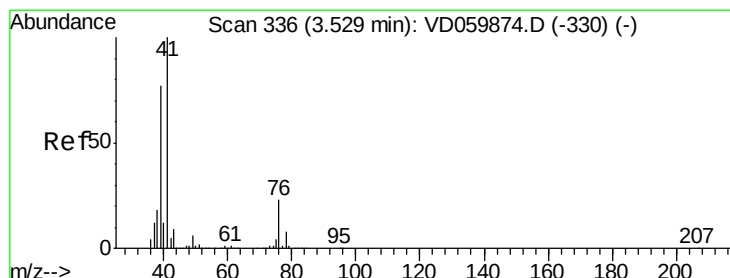
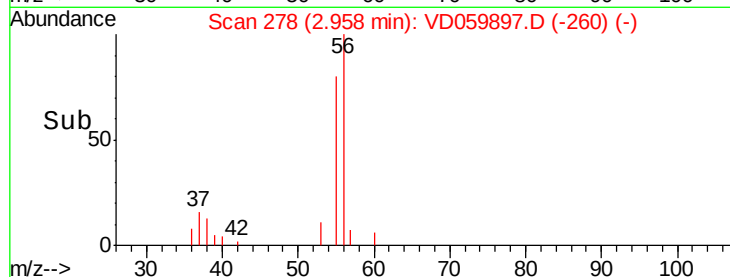


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



Time-->



#14

Allyl chloride

Concen: 76.30 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

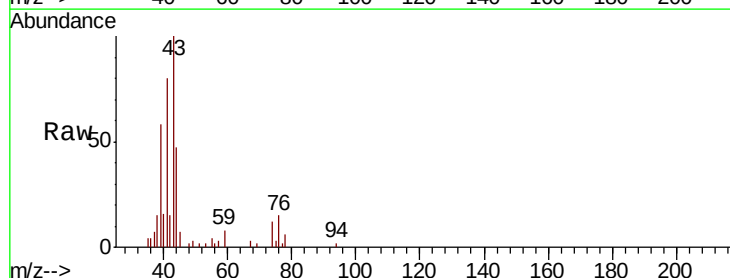
Tgt Ion: 41 Resp: 34743

Ion Ratio Lower Upper

41 100

39 71.9 61.8 92.6

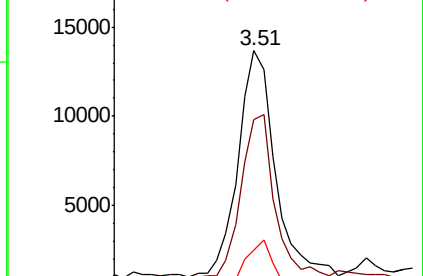
76 18.2 19.4 29.2#



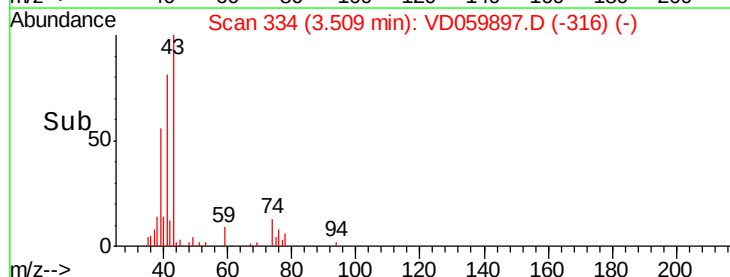
Abundance Ion 41.05 (40.75 to 41.75): VDC

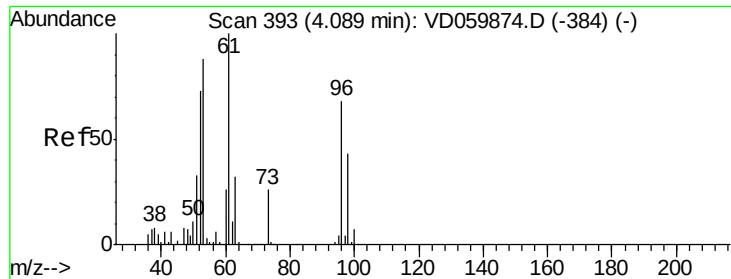
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



Time-->





#15

Acrylonitrile

Concen: 1238.47 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

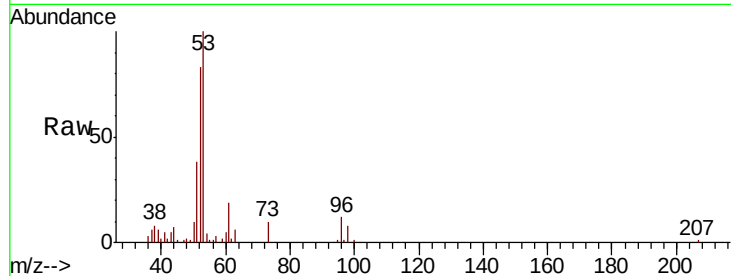
Tot Ion: 53 Resp: 171429

Ion Ratio Lower Upper

53 100

52 83.1 66.9 100.3

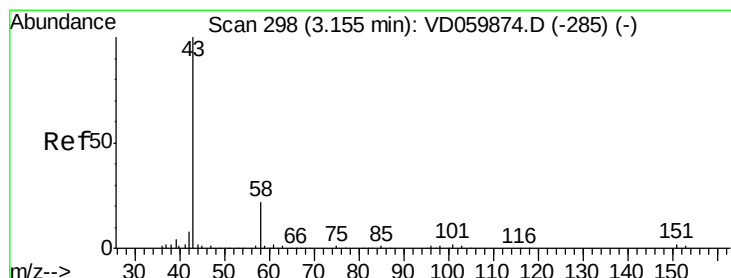
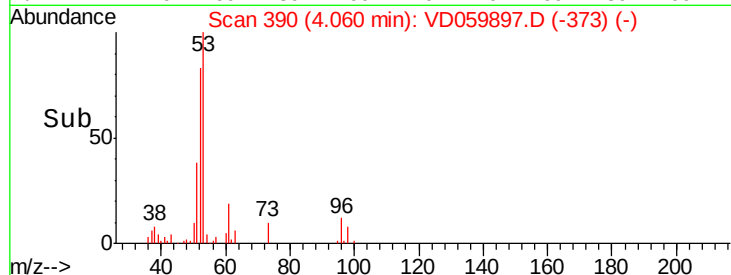
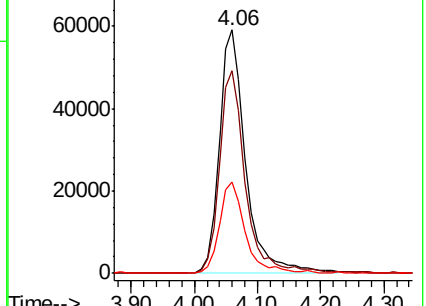
51 37.7 30.3 45.5



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: 1566.93 ug/l

RT: 3.13 min Scan# 296

Delta R.T. -0.02 min

Lab File: VD059897.D

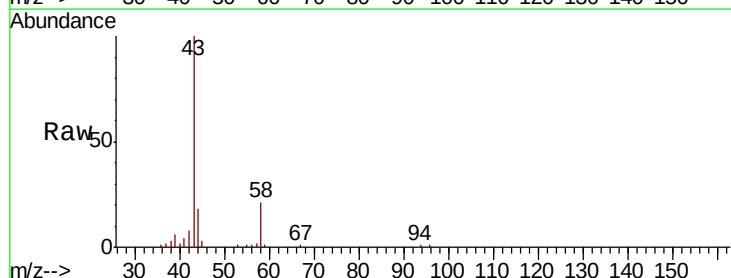
Acq: 23 Aug 2018 19:26

Tgt Ion: 43 Resp: 138295

Ion Ratio Lower Upper

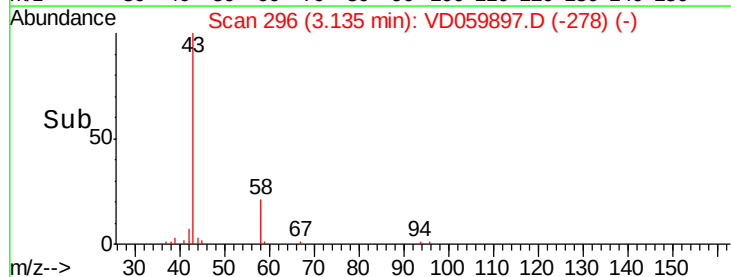
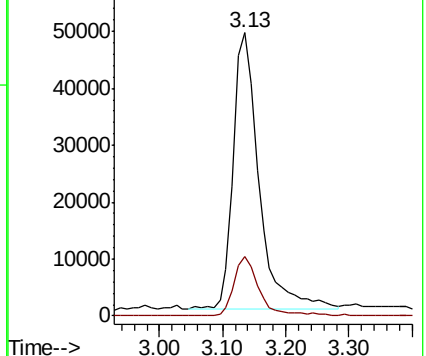
43 100

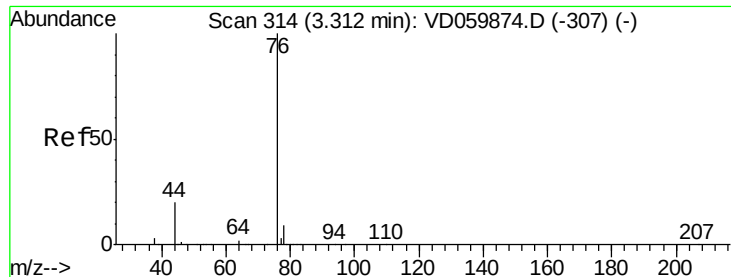
58 20.8 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 42.82 ug/l

RT: 3.29 min Scan# 312

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

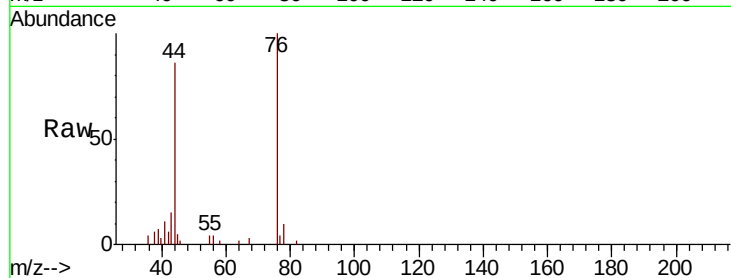
RA-081718-WSW-20-053

Tot Ion: 76 Resp: 26752

Ion Ratio Lower Upper

76 100

78 9.9 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.29

15000

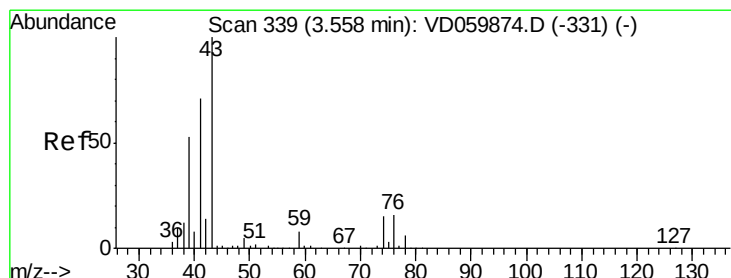
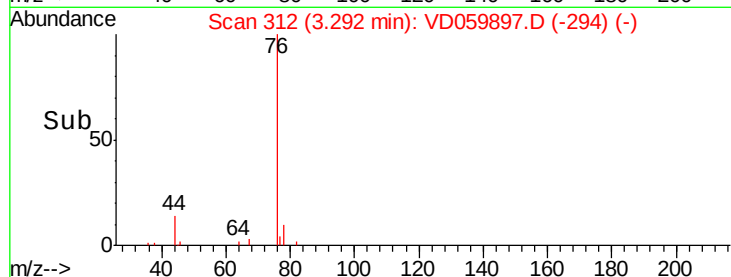
10000

5000

0

Time-->

3.20 3.25 3.30 3.35 3.40



#18

Methyl Acetate

Concen: 582.36 ug/l

RT: 3.53 min Scan# 336

Delta R.T. -0.03 min

Lab File: VD059897.D

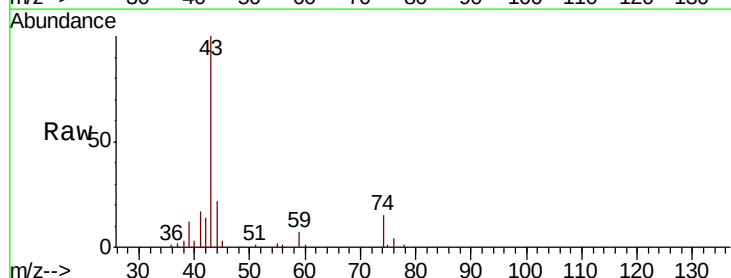
Acq: 23 Aug 2018 19:26

Tgt Ion: 43 Resp: 107297

Ion Ratio Lower Upper

43 100

74 14.9 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.53

50000

40000

30000

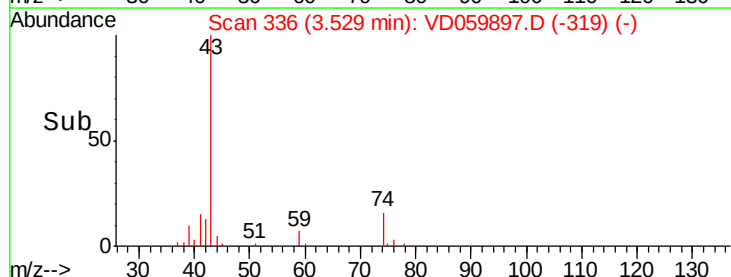
20000

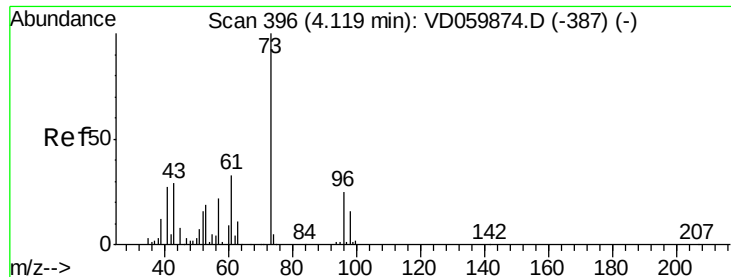
10000

0

Time-->

3.40 3.50 3.60



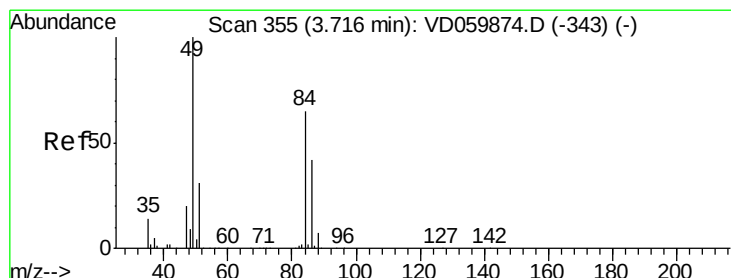
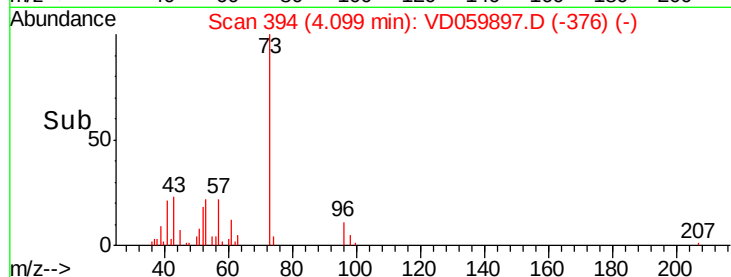
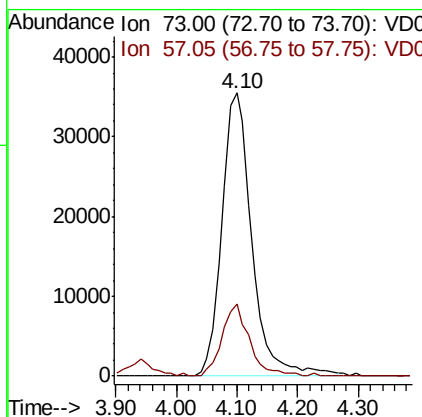
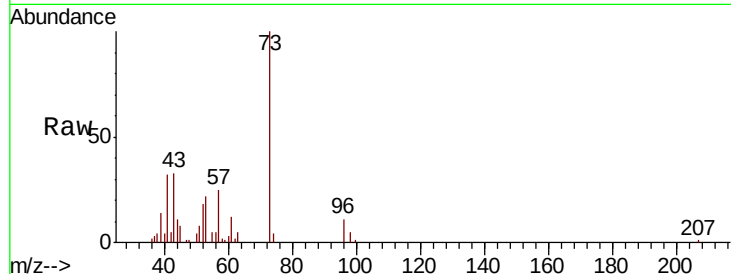


#19

Methyl tert-butyl Ether
 Concen: 107.16 ug/l
 RT: 4.10 min Scan# 394
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

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

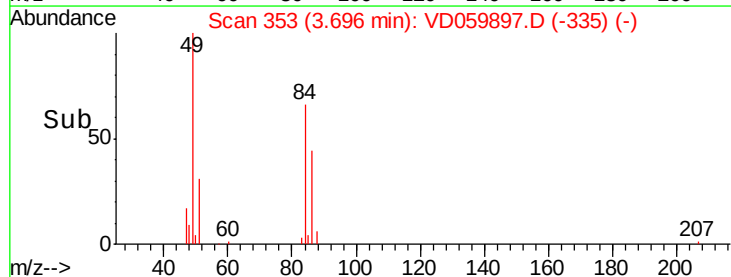
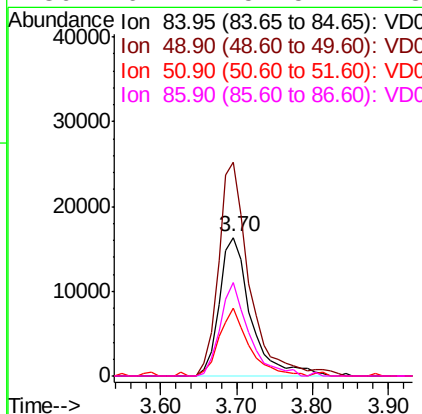
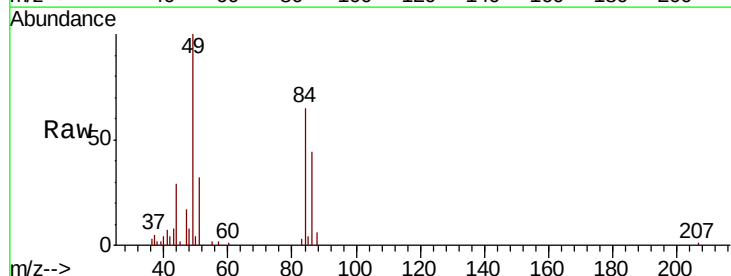
Tot Ion: 73 Resp: 122023
 Ion Ratio Lower Upper
 73 100
 57 25.4 17.9 26.9

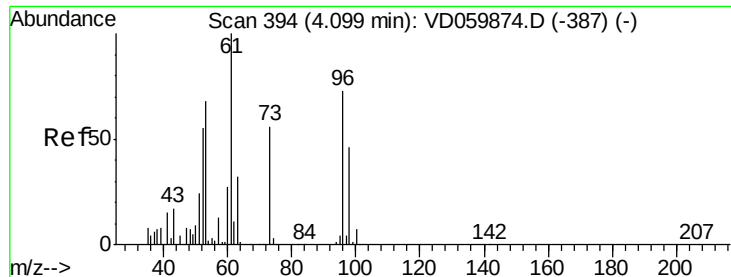


#20

Methylene Chloride
 Concen: 82.33 ug/l
 RT: 3.70 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion: 84 Resp: 47079
 Ion Ratio Lower Upper
 84 100
 49 154.0 122.6 183.8
 51 49.4 38.4 57.6
 86 67.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 51.88 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

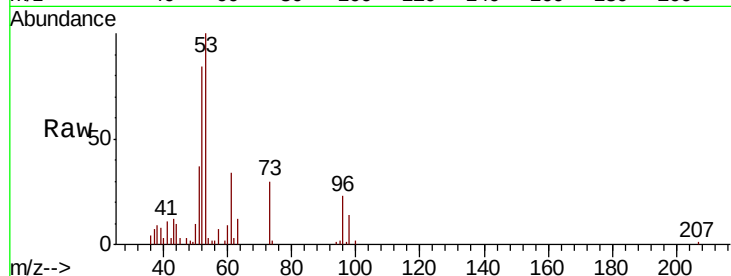
Tot Ion: 96 Resp: 28773

Ion Ratio Lower Upper

96 100

61 146.0 110.2 165.4

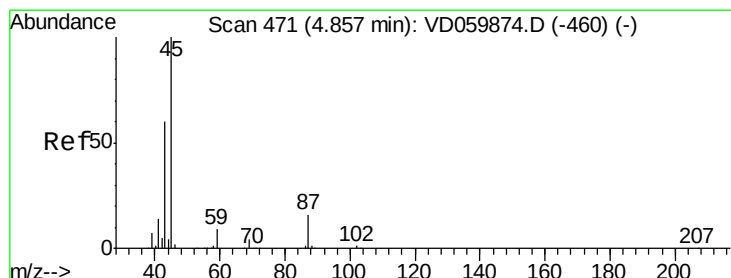
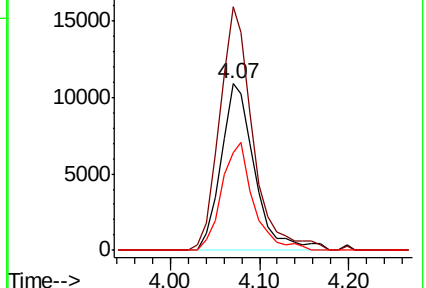
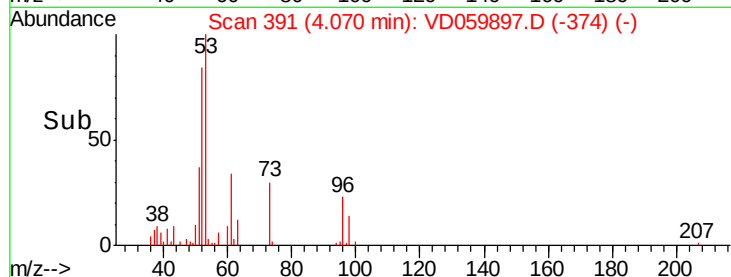
98 58.4 50.9 76.3



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: 79.71 ug/l

RT: 4.83 min Scan# 468

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion: 45 Resp: 185108

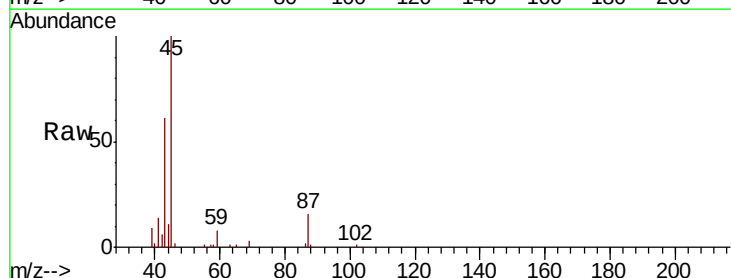
Ion Ratio Lower Upper

45 100

43 60.9 48.6 72.8

87 15.6 13.3 19.9

59 8.3 7.1 10.7

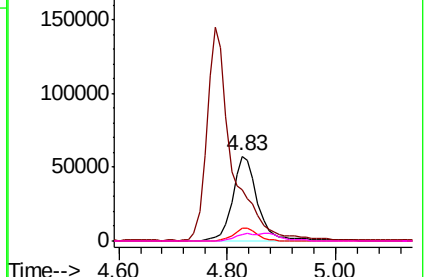
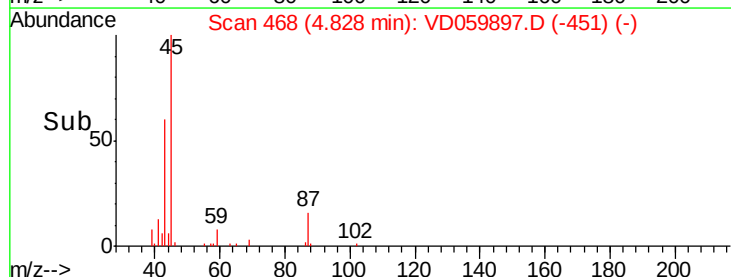


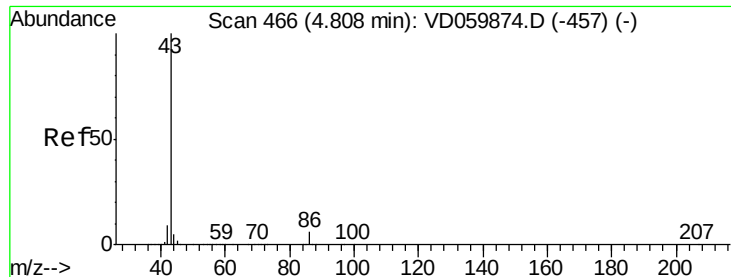
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 361.73 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

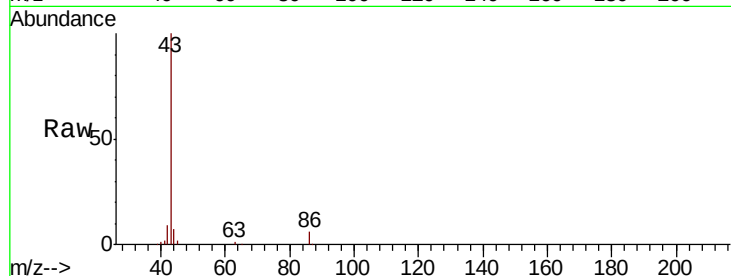
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 469619

Ion Ratio Lower Upper

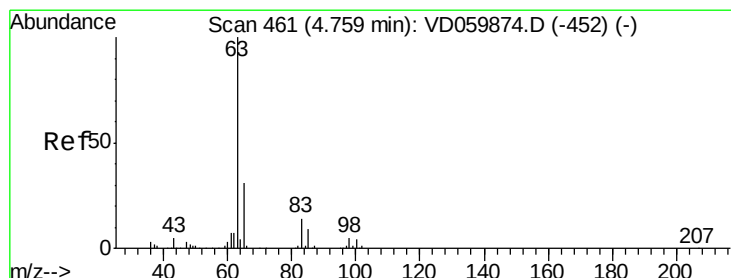
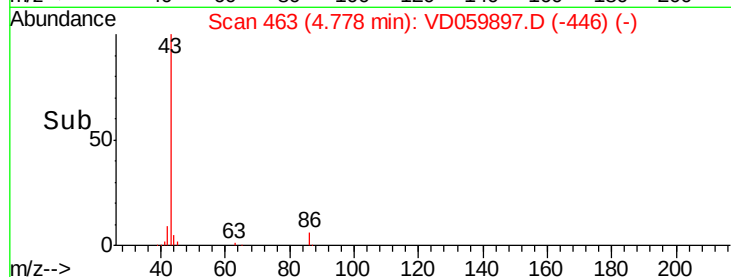
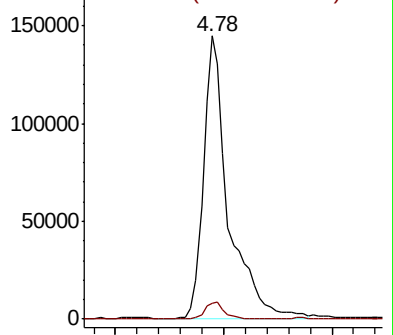
43 100

86 5.7 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: 62.67 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

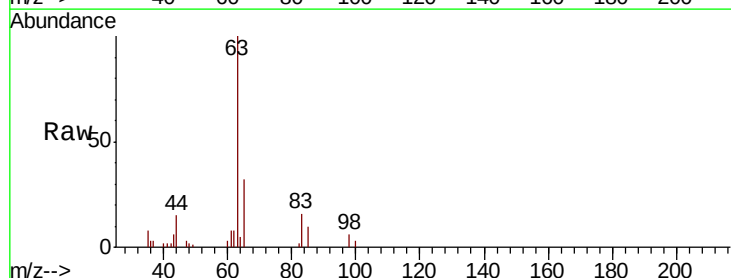
Tgt Ion: 63 Resp: 62876

Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

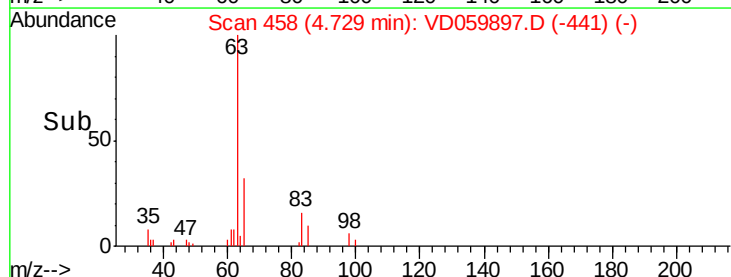
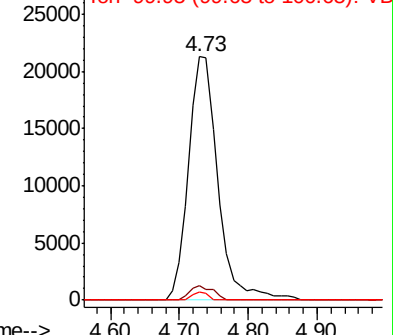
100 3.5 1.8 5.3

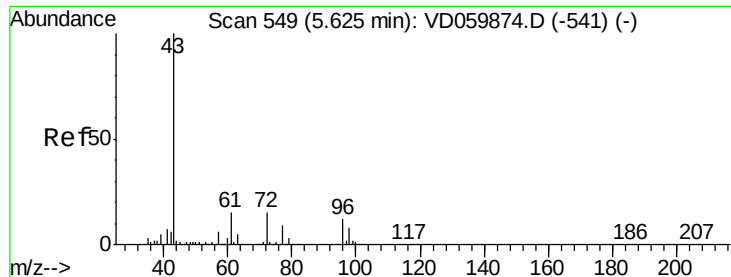


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 1358.97 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

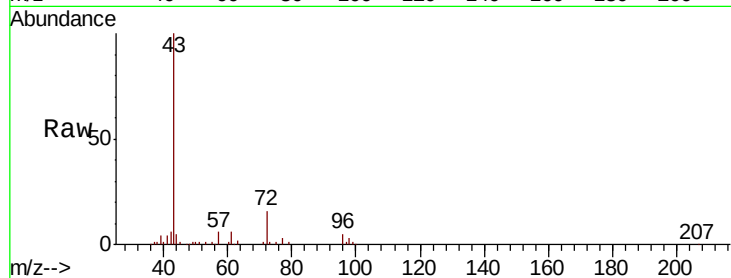
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 355227

Ion Ratio Lower Upper

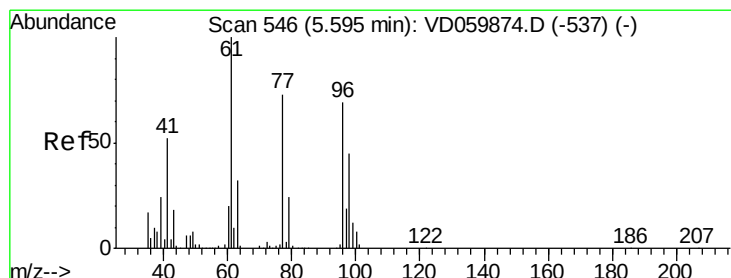
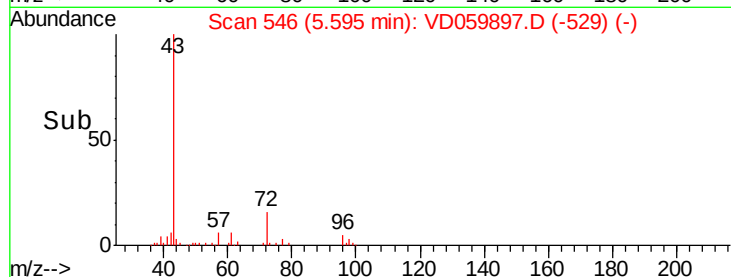
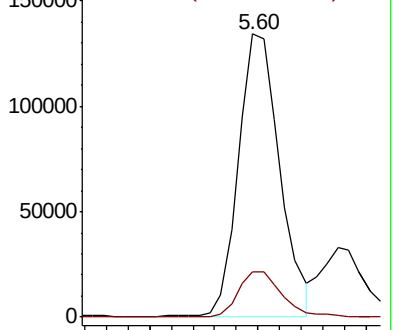
43 100

72 16.2 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.43 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059897.D

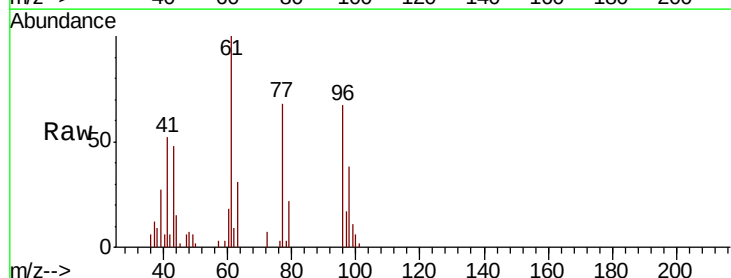
Acq: 23 Aug 2018 19:26

Tgt Ion: 77 Resp: 44814

Ion Ratio Lower Upper

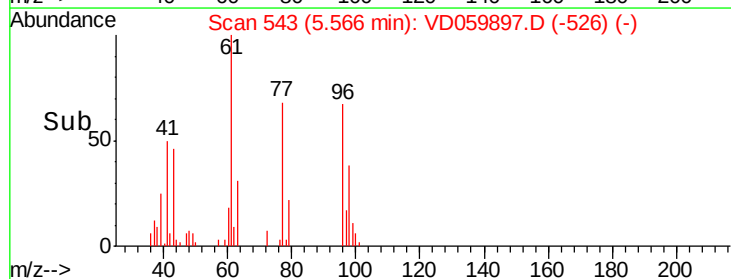
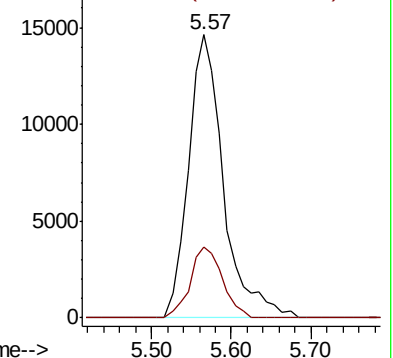
77 100

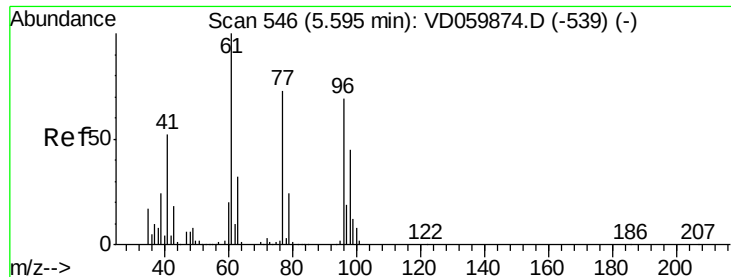
97 24.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 65.98 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

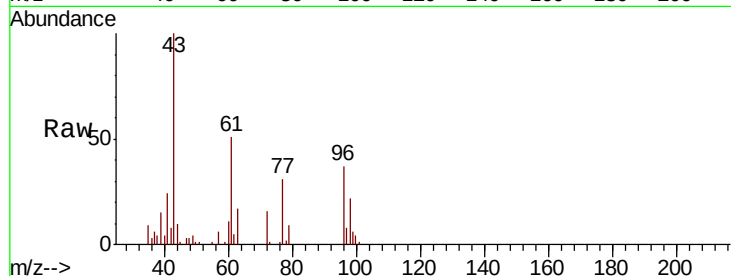
Tot Ion: 96 Resp: 40063

Ion Ratio Lower Upper

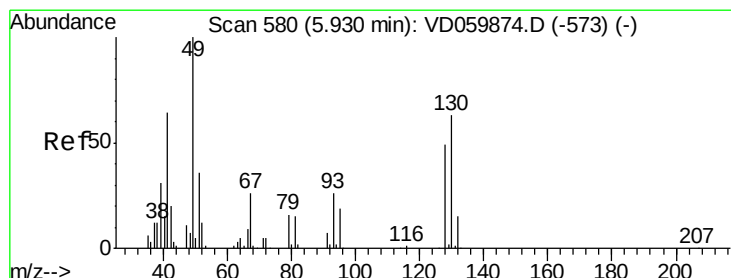
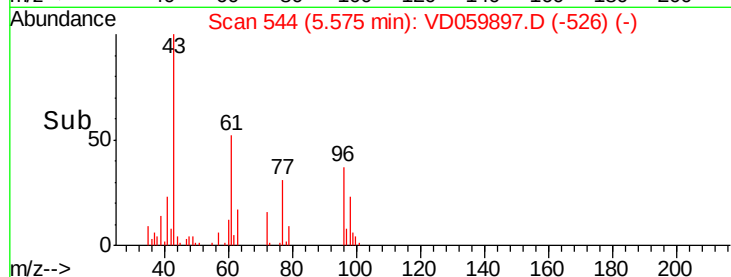
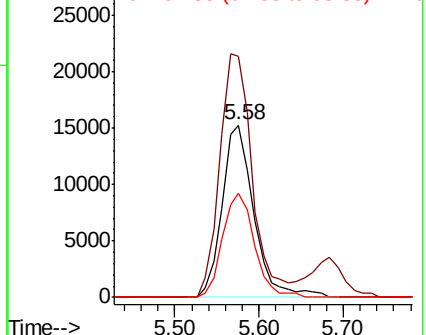
96 100

61 139.9 0.0 290.2

98 60.5 0.0 130.4



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



#28

Bromochloromethane

Concen: 85.46 ug/l

RT: 5.90 min Scan# 577

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

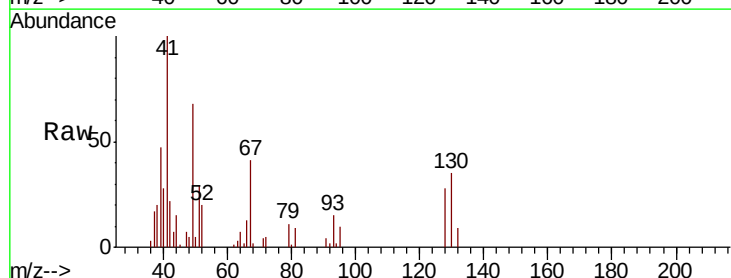
Tgt Ion: 49 Resp: 41092

Ion Ratio Lower Upper

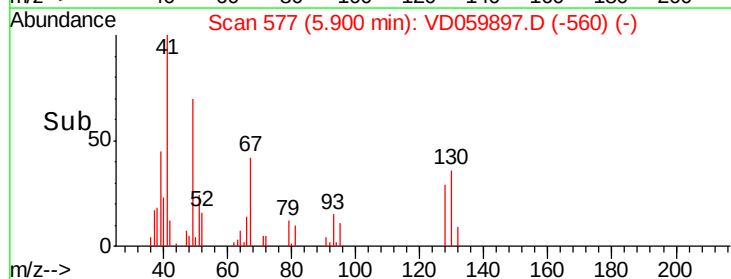
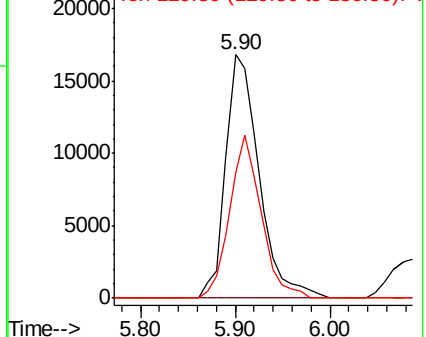
49 100

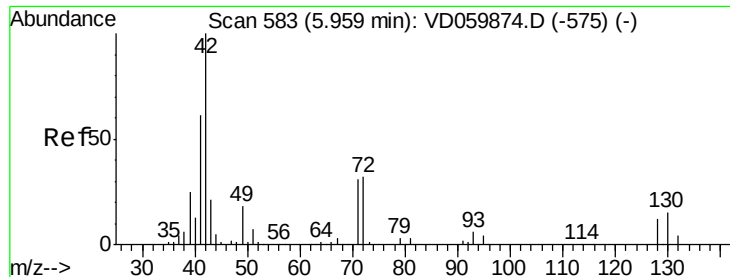
129 0.0 0.0 3.2

130 51.7 50.6 75.8



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





#29

Tetrahydrofuran

Concen: 1379.37 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

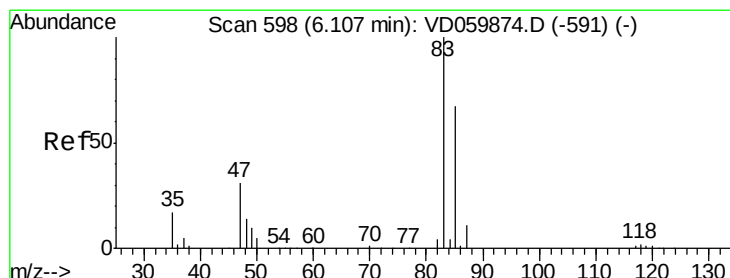
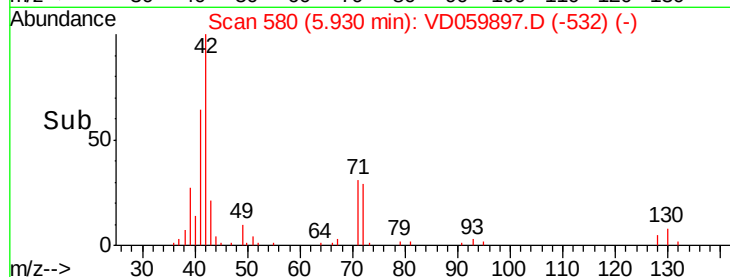
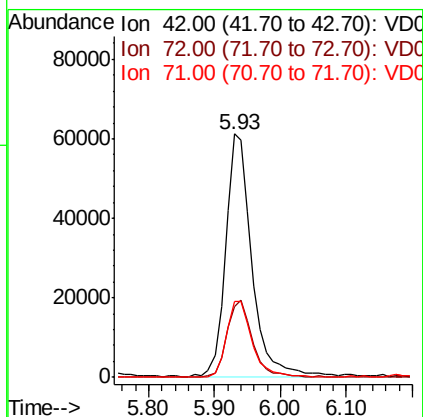
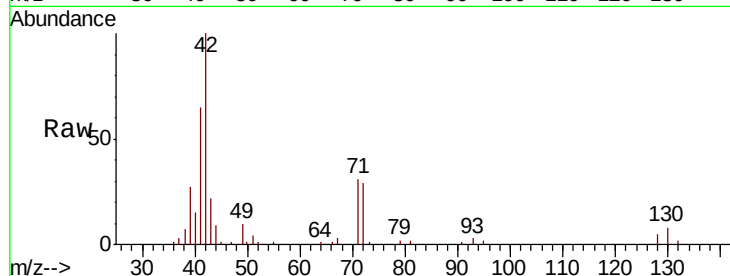
Tot Ion: 42 Resp: 171654

Ion Ratio Lower Upper

42 100

72 30.4 25.7 38.5

71 30.3 25.3 37.9



#30

Chloroform

Concen: 69.05 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.02 min

Lab File: VD059897.D

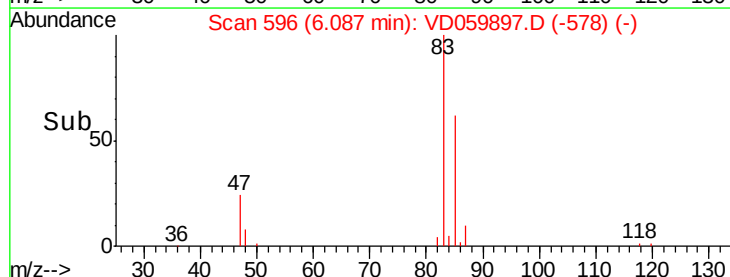
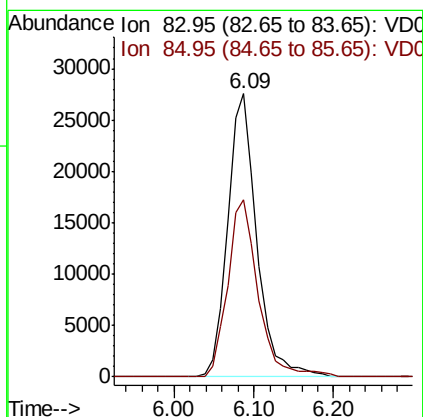
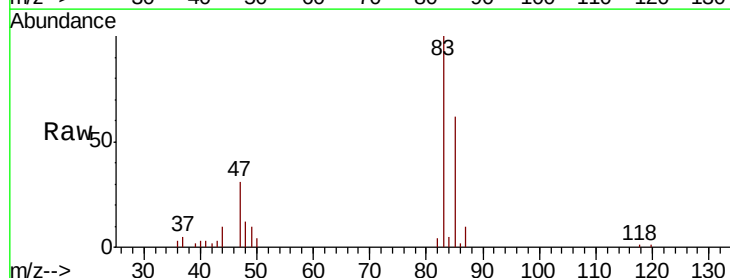
Acq: 23 Aug 2018 19:26

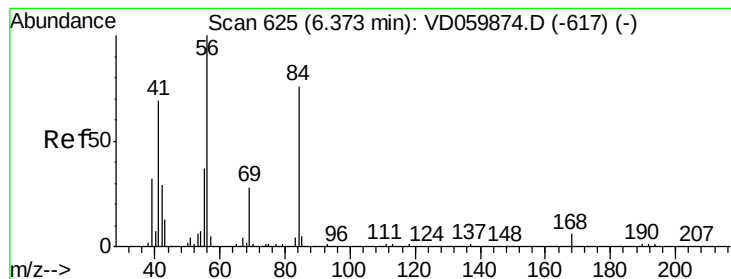
Tgt Ion: 83 Resp: 70406

Ion Ratio Lower Upper

83 100

85 62.5 53.5 80.3





#31

Cvclohexane

Concen: 22.57 ug/l

RT: 6.35 min Scan# 623

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

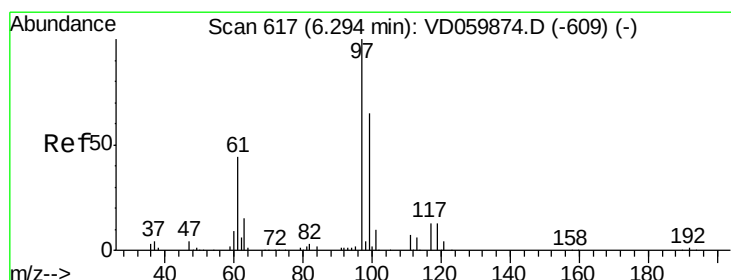
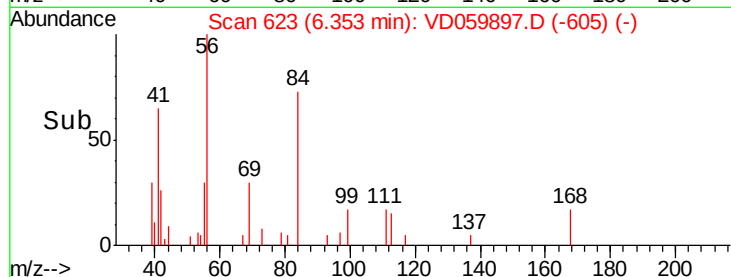
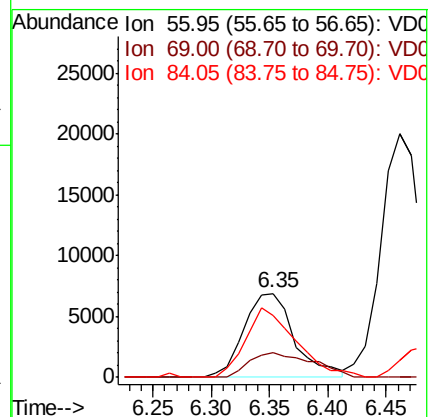
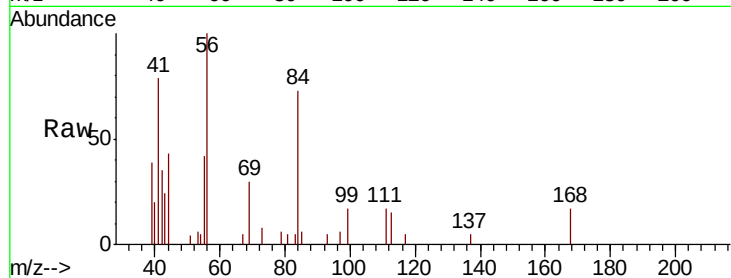
Tot Ion: 56 Resp: 20820

Ion Ratio Lower Upper

56 100

69 29.5 22.4 33.6

84 73.4 62.1 93.1



#32

1,1,1-Trichloroethane

Concen: 49.96 ug/l

RT: 6.27 min Scan# 615

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

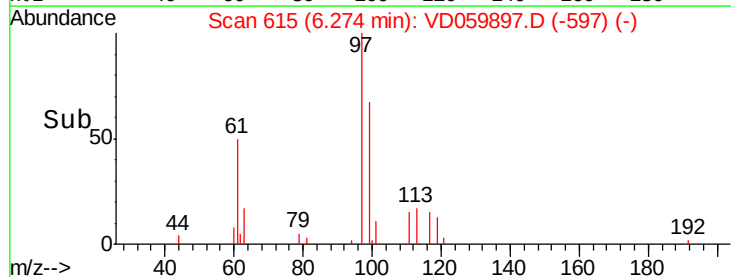
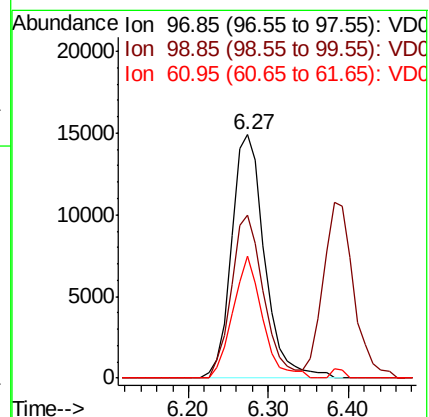
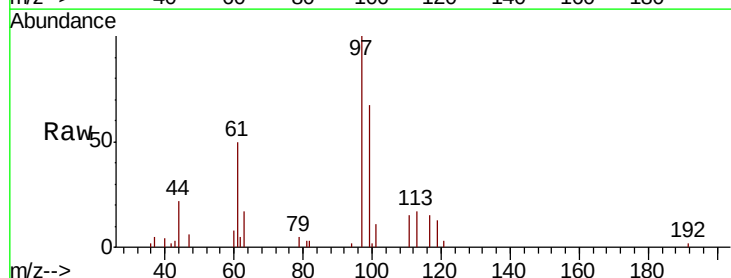
Tgt Ion: 97 Resp: 43234

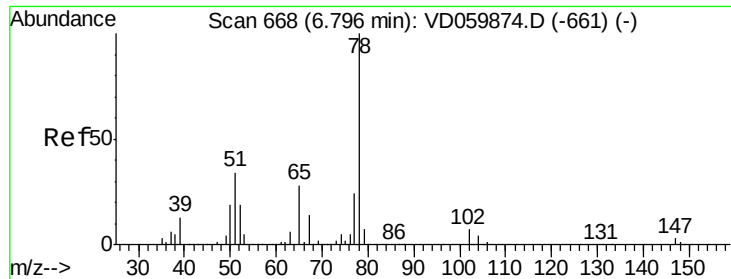
Ion Ratio Lower Upper

97 100

99 66.9 51.7 77.5

61 50.0 35.4 53.2

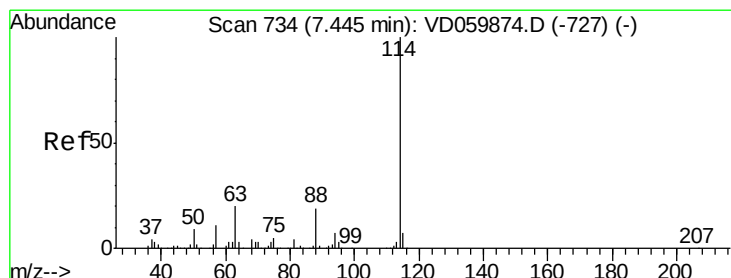
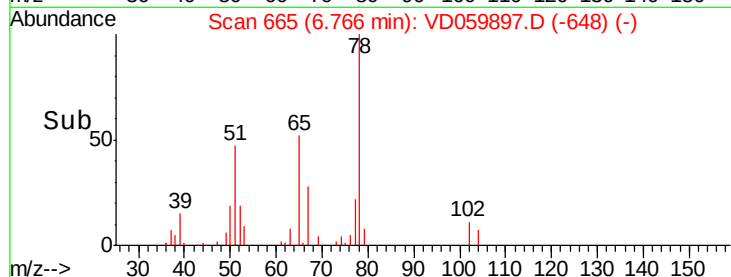
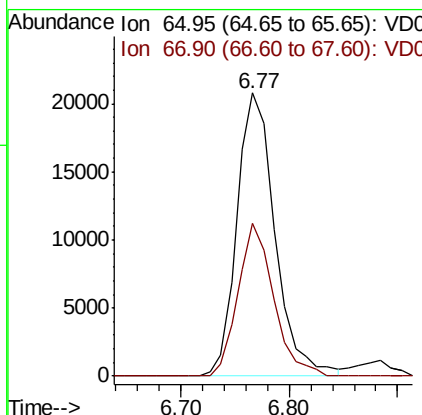
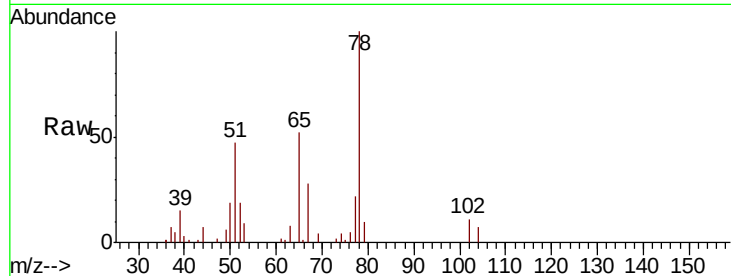




#33
 1,2-Dichloroethane-d4
 Concen: 49.96 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

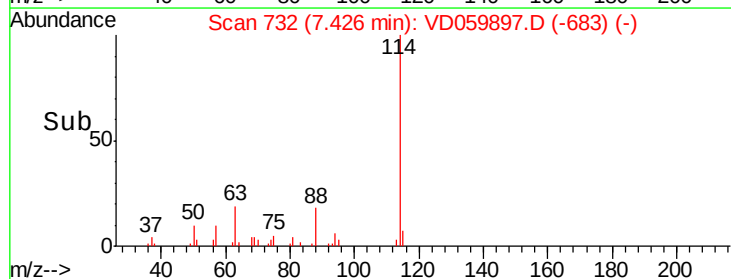
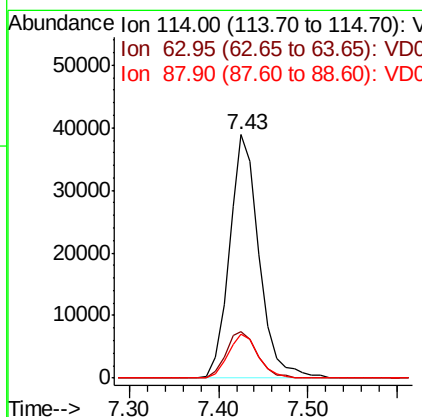
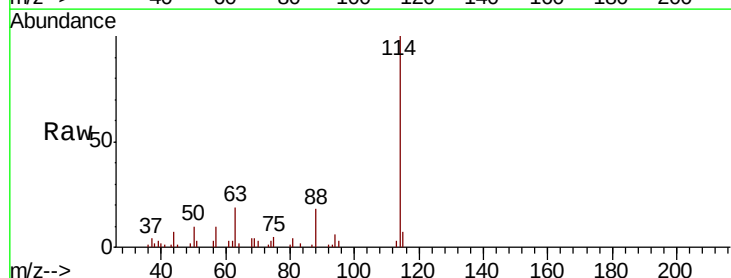
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

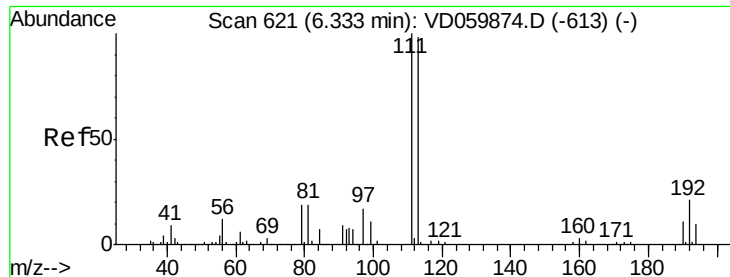
Tot Ion: 65 Resp: 50837
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion: 114 Resp: 90119
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 39.4
 88 18.0 0.0 37.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

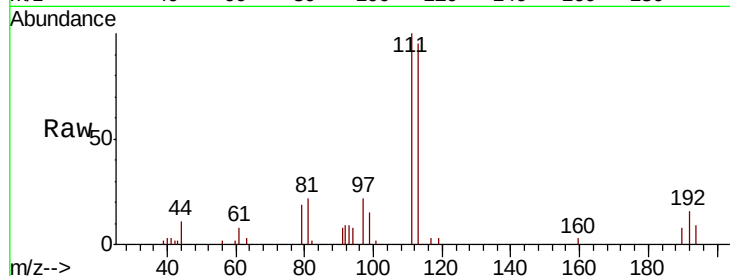
Tot Ion:113 Resp: 43751

Ion Ratio Lower Upper

113 100

111 105.8 81.4 122.2

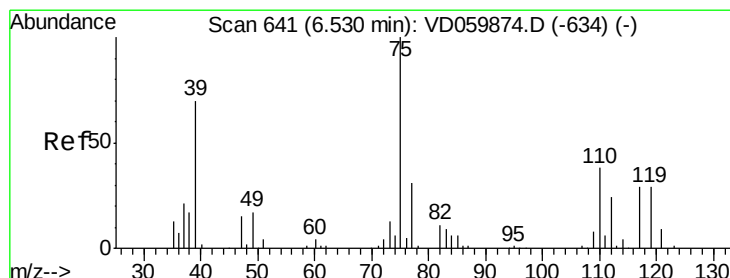
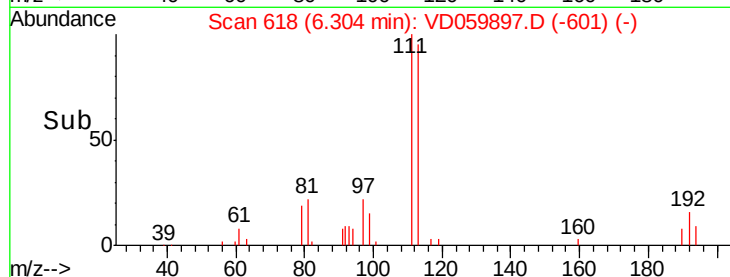
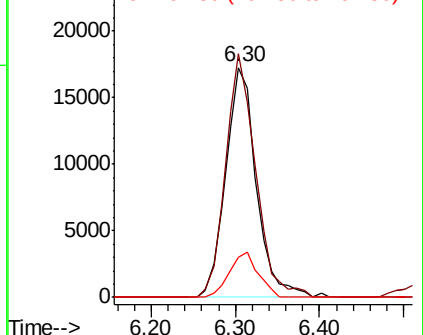
192 17.2 17.0 25.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 39.55 ug/l

RT: 6.51 min Scan# 639

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

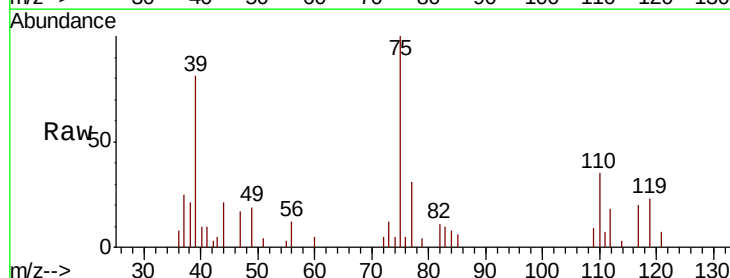
Tgt Ion: 75 Resp: 32311

Ion Ratio Lower Upper

75 100

110 35.4 18.6 56.0

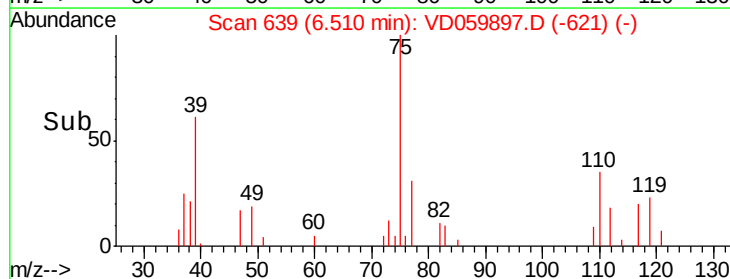
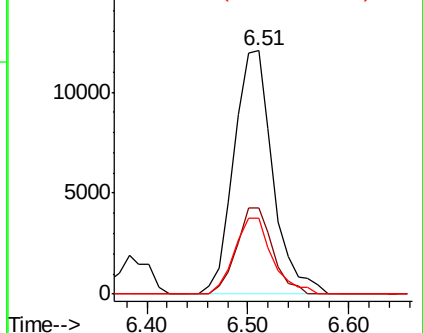
77 30.9 25.1 37.7

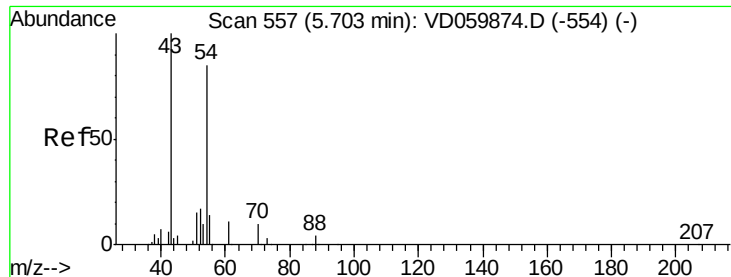


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

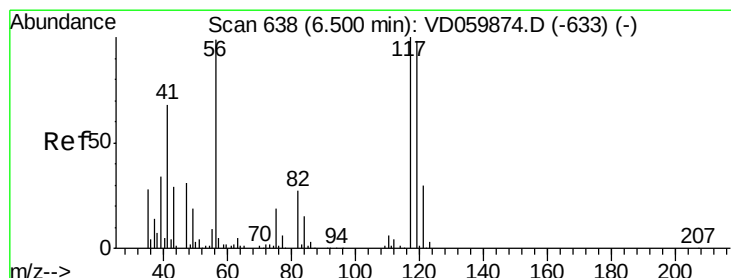
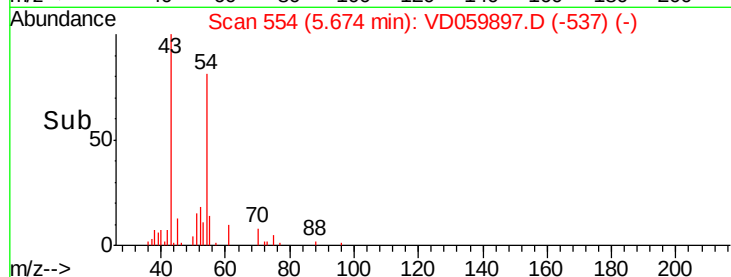
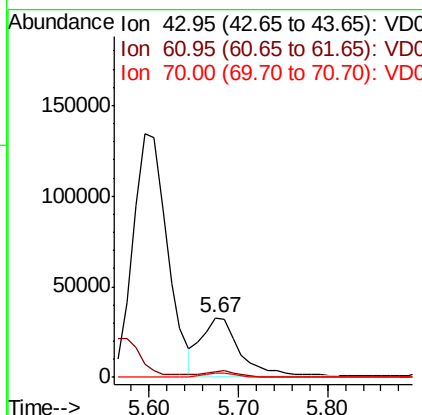
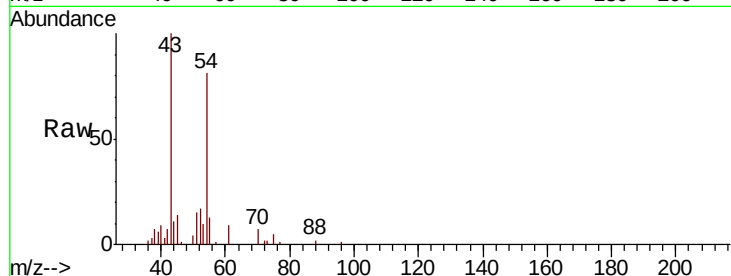




#37
Ethyl Acetate
Concen: 150.25 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

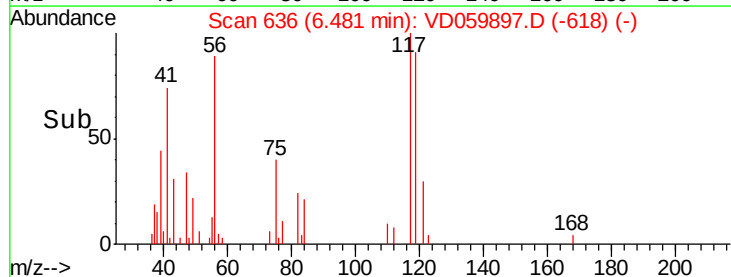
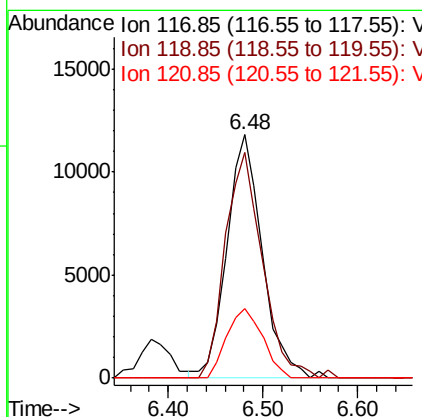
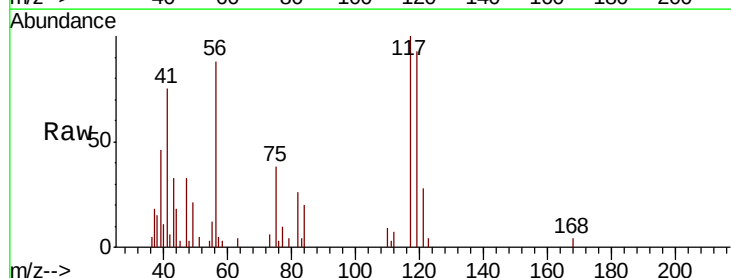
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

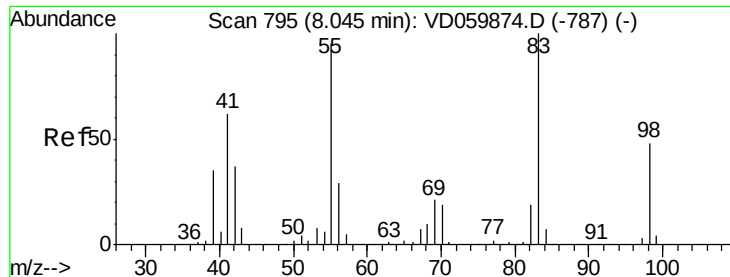
Tot Ion: 43 Resp: 95517
Ion Ratio Lower Upper
43 100
61 9.5 11.0 16.6#
70 7.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 37.19 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 117 Resp: 30662
Ion Ratio Lower Upper
117 100
119 92.6 77.2 115.8
121 28.5 24.0 36.0

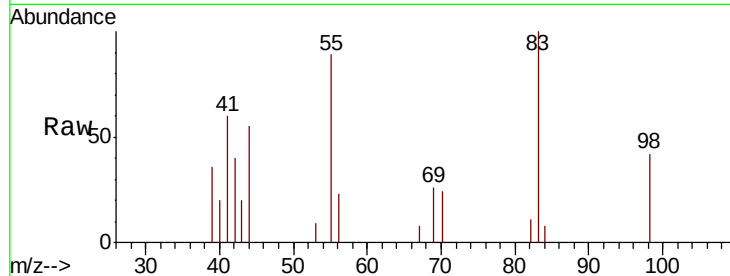




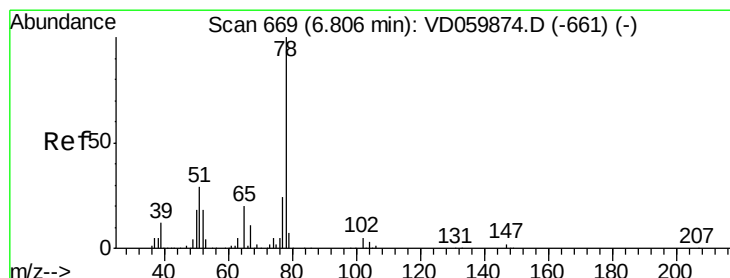
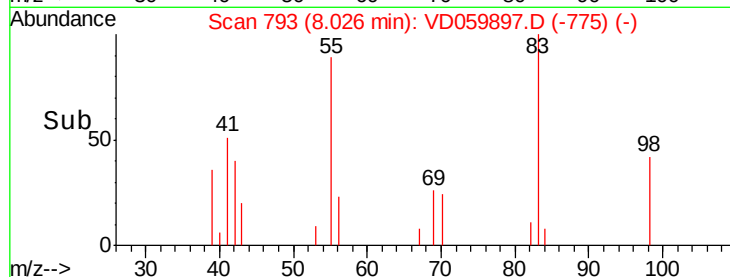
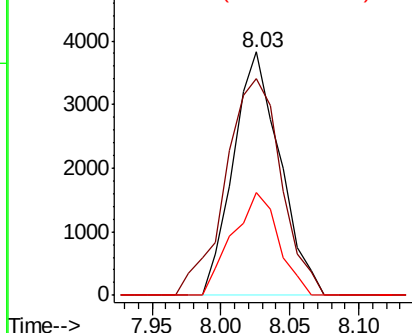
#39
Methylvlcyclohexane
Concen: 10.23 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

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

Tot Ion: 83 Resp: 9027
Ion Ratio Lower Upper
83 100
55 88.9 75.8 113.6
98 42.1 38.3 57.5

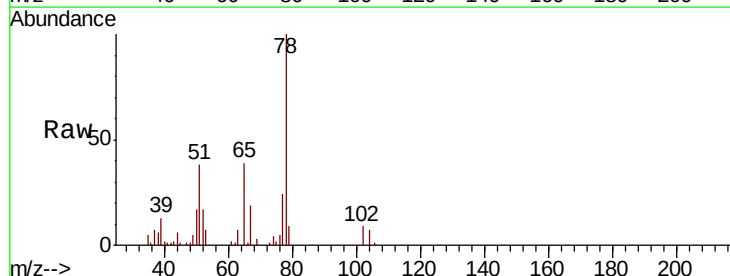


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

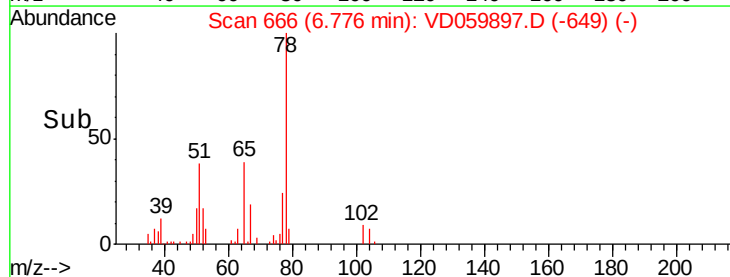
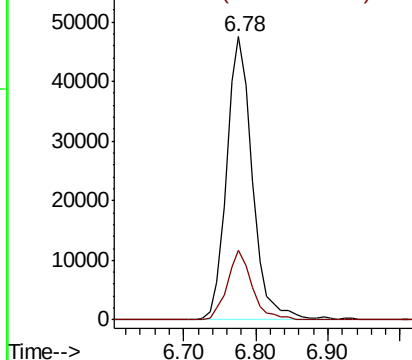


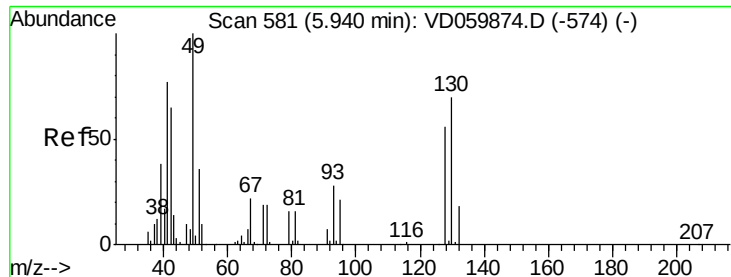
#40
Benzene
Concen: 55.46 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 78 Resp: 117798
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4



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





#41

Methacrylonitrile

Concen: 473.89 ug/l

RT: 5.93 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

Tot Ion: 41 Resp: 151751

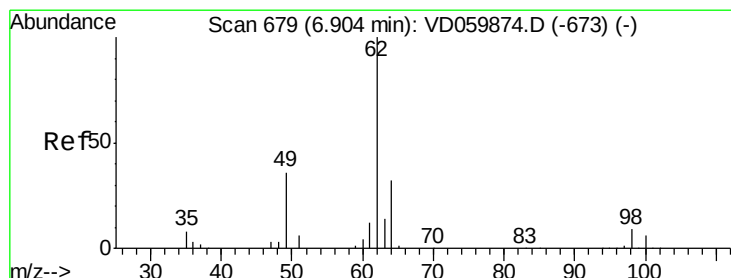
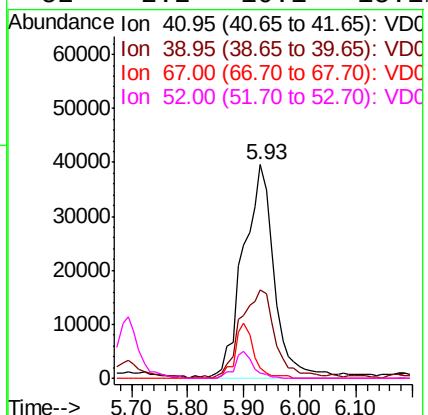
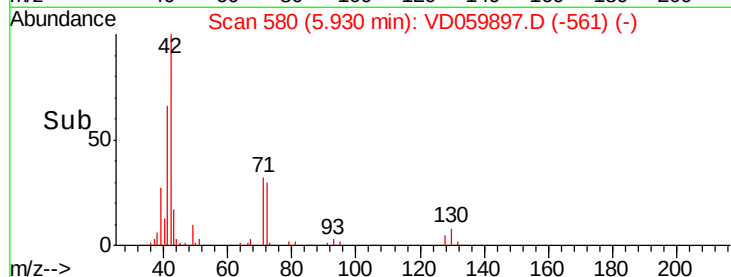
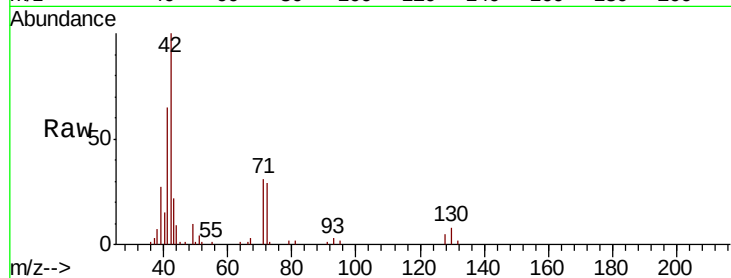
Ion Ratio Lower Upper

41 100

39 41.5 39.4 59.2

67 4.9 22.2 33.2#

52 2.2 10.1 15.1#



#42

1,2-Dichloroethane

Concen: 84.03 ug/l

RT: 6.87 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059897.D

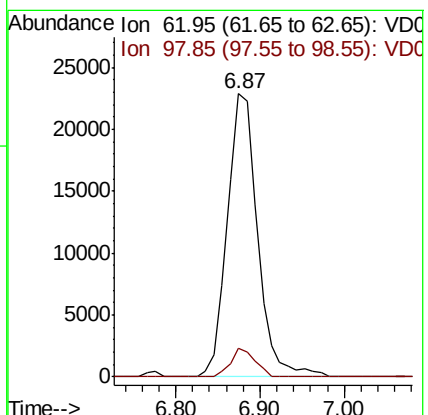
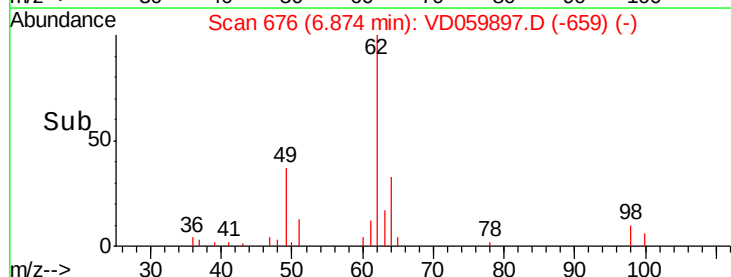
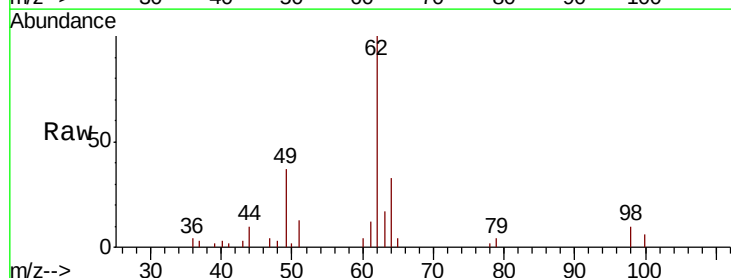
Acq: 23 Aug 2018 19:26

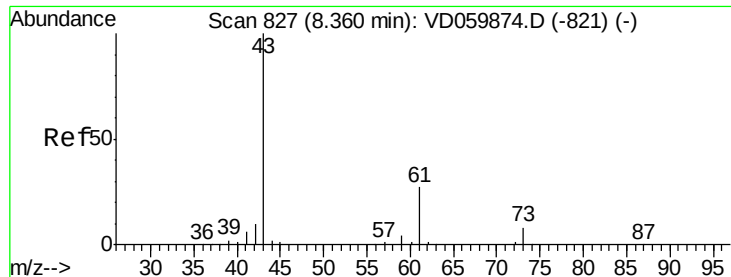
Tgt Ion: 62 Resp: 57304

Ion Ratio Lower Upper

62 100

98 10.0 0.0 18.4





#43

Isopropyl Acetate

Concen: 113.71 ug/l

RT: 8.34 min Scan# 825

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

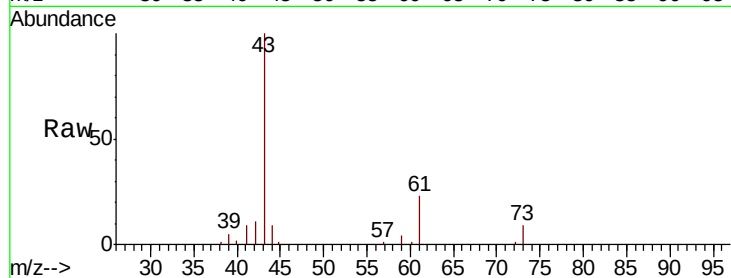
Tot Ion: 43 Resp: 94044

Ion Ratio Lower Upper

43 100

61 23.4 21.4 32.2

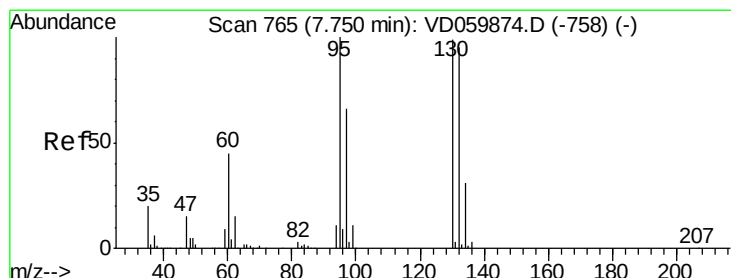
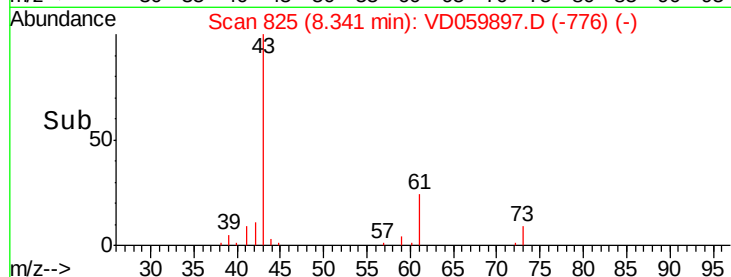
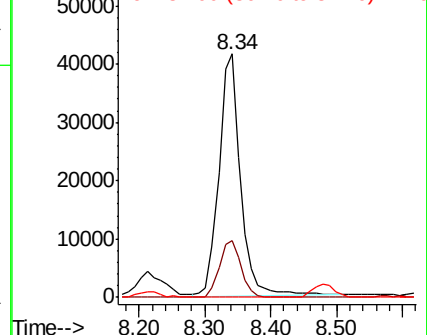
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 43.41 ug/l

RT: 7.72 min Scan# 762

Delta R.T. -0.03 min

Lab File: VD059897.D

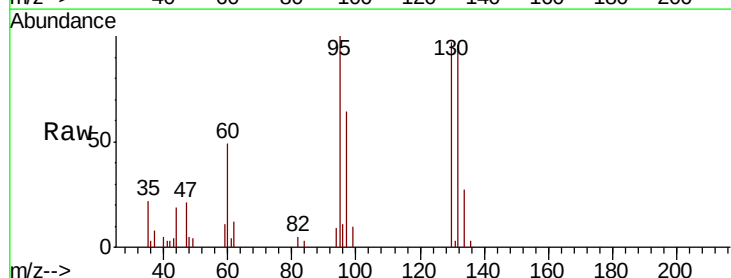
Acq: 23 Aug 2018 19:26

Tgt Ion:130 Resp: 27148

Ion Ratio Lower Upper

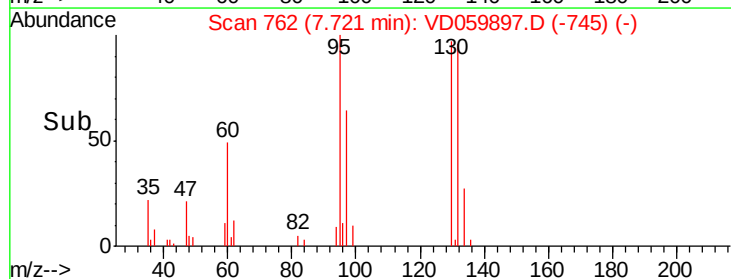
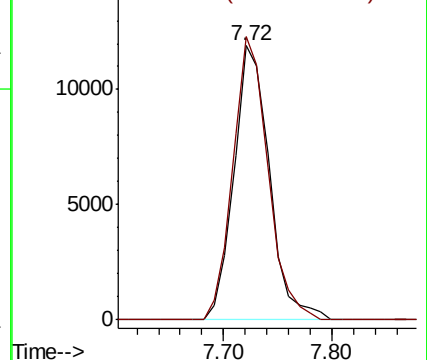
130 100

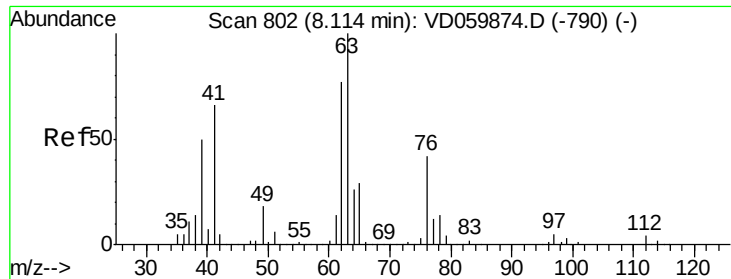
95 103.3 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

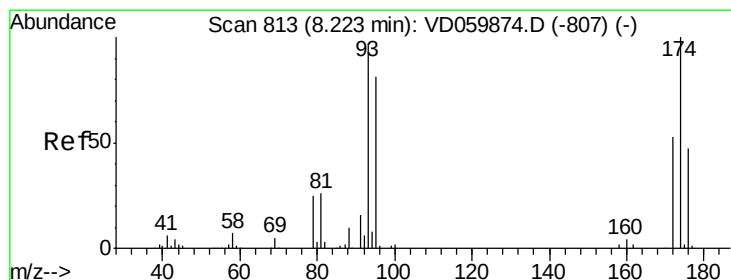
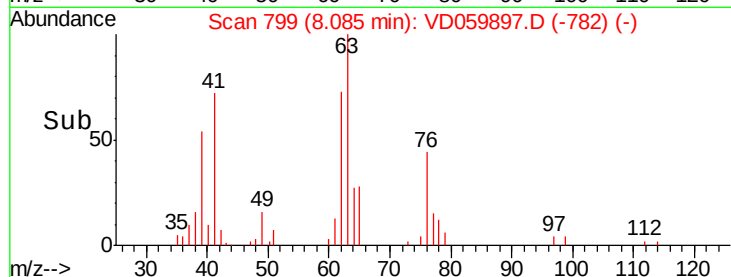
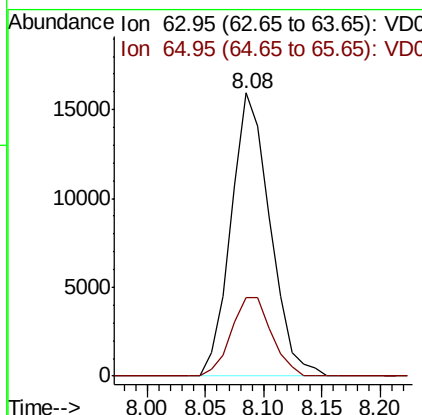
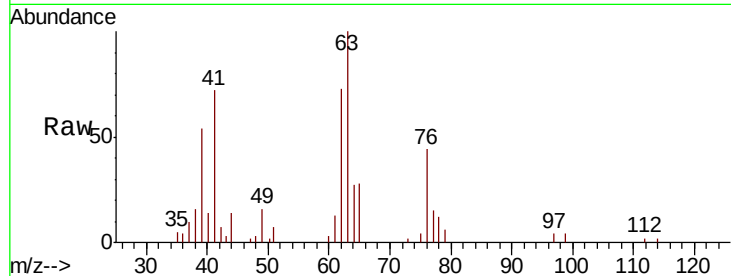




#45
 1,2-Dichloropropane
 Concen: 62.18 ug/l
 RT: 8.08 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

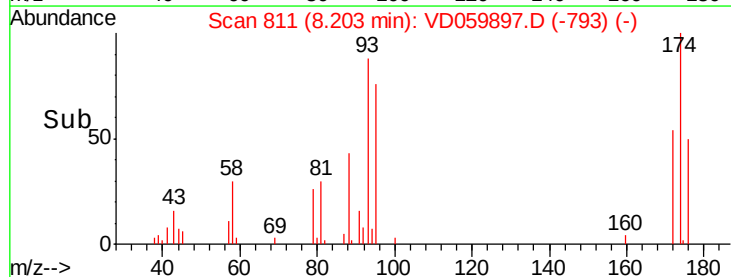
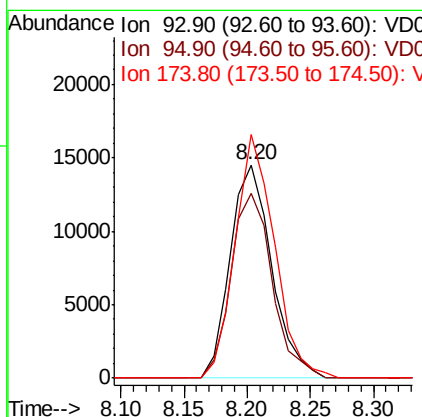
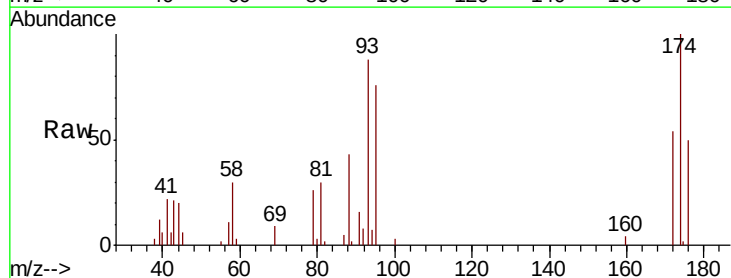
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

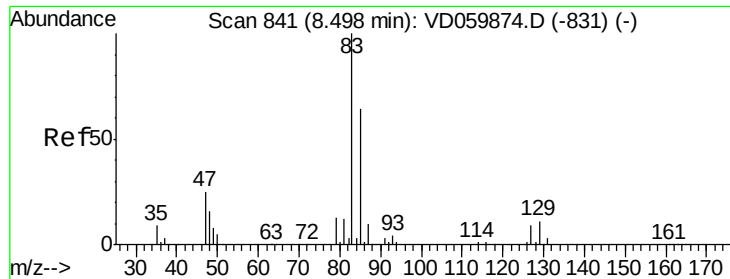
Tot Ion: 63 Resp: 36920
 Ion Ratio Lower Upper
 63 100
 65 27.9 23.5 35.3



#46
 Dibromomethane
 Concen: 86.49 ug/l
 RT: 8.20 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion: 93 Resp: 33018
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.6 100.0
 174 114.3 82.4 123.6





#47

Bromodichloromethane

Concen: 65.24 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

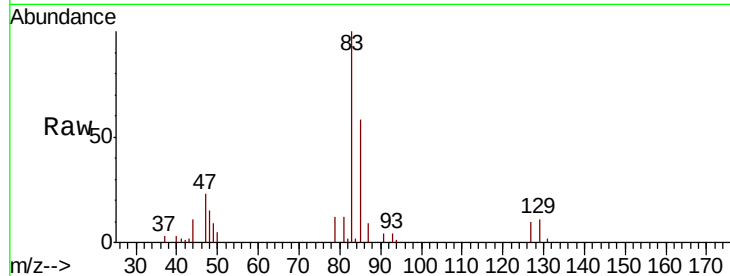
Tot Ion: 83 Resp: 56387

Ion Ratio Lower Upper

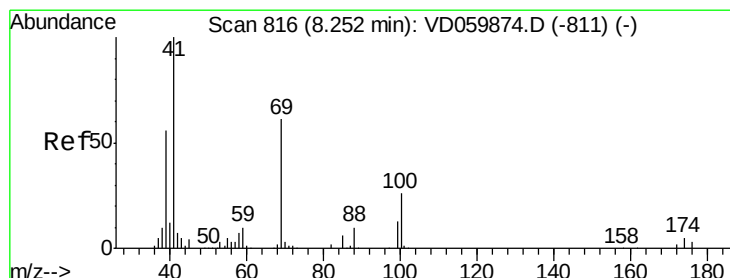
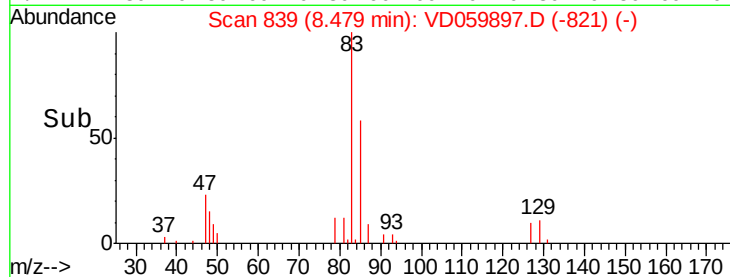
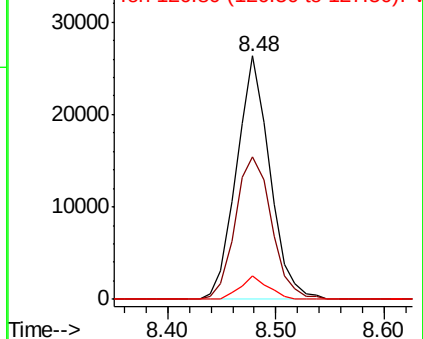
83 100

85 58.5 51.3 76.9

127 9.6 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: 157.87 ug/l

RT: 8.23 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

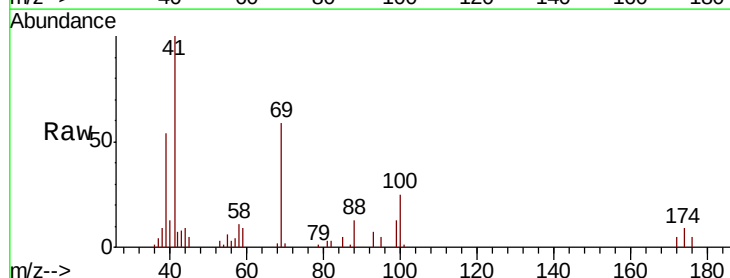
Tgt Ion: 41 Resp: 76110

Ion Ratio Lower Upper

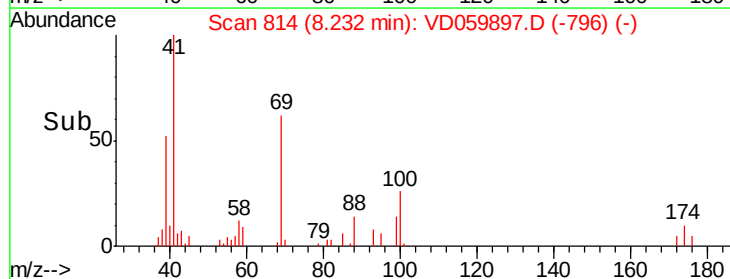
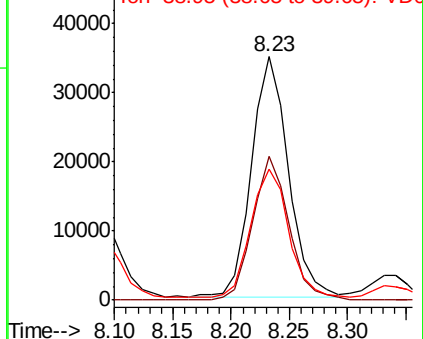
41 100

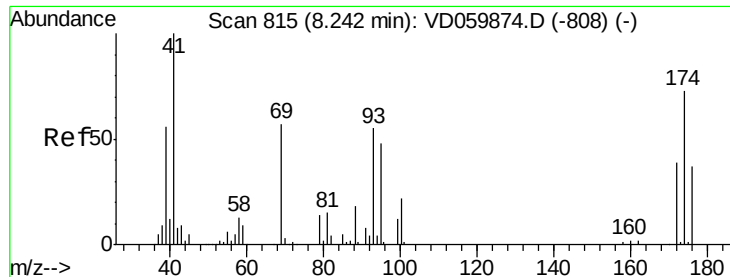
69 59.3 48.0 72.0

39 53.8 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: 5377.84 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

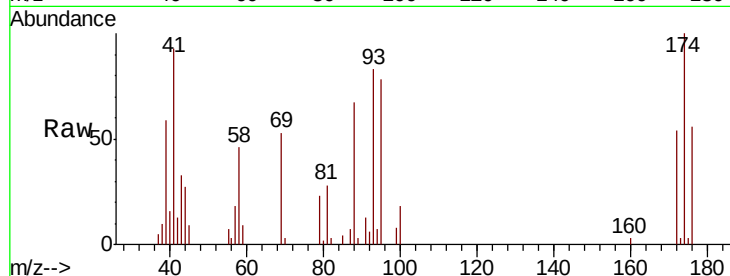
Tot Ion: 88 Resp: 23147

Ion Ratio Lower Upper

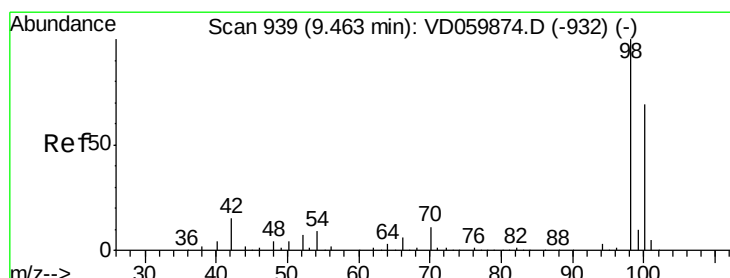
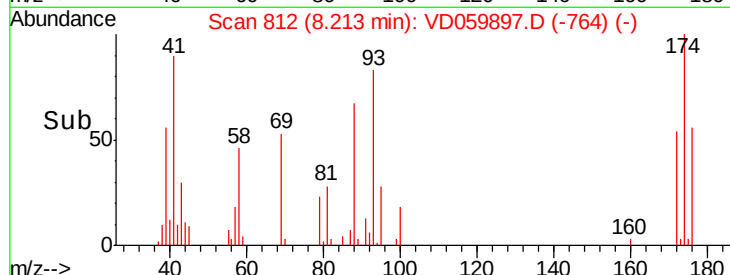
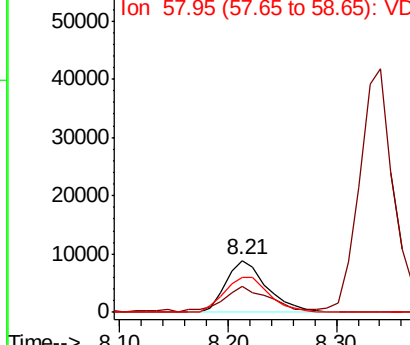
88 100

43 50.1 45.0 67.6

58 68.2 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: 5377.84 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059897.D

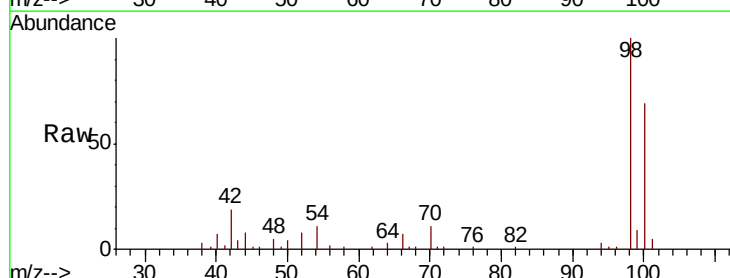
Acq: 23 Aug 2018 19:26

Tgt Ion: 98 Resp: 97323

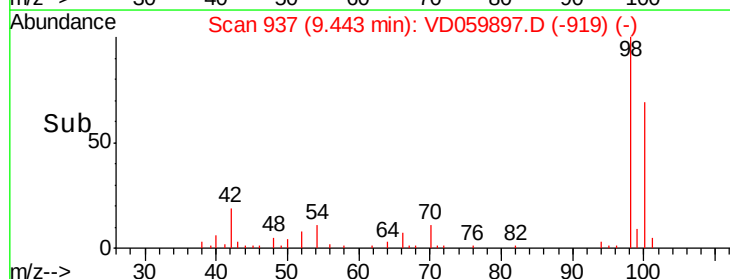
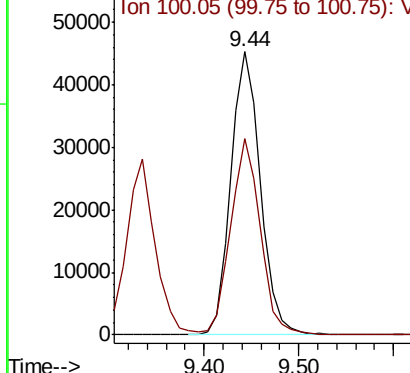
Ion Ratio Lower Upper

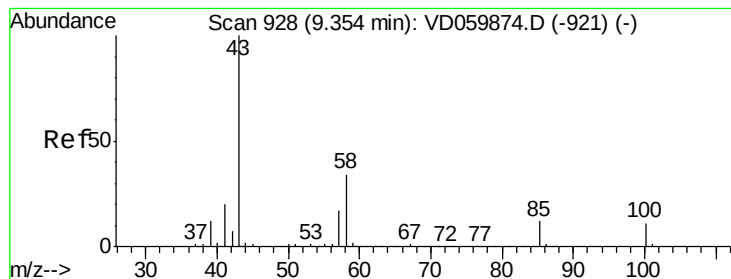
98 100

100 69.3 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: 1039.18 ug/l

RT: 9.33 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

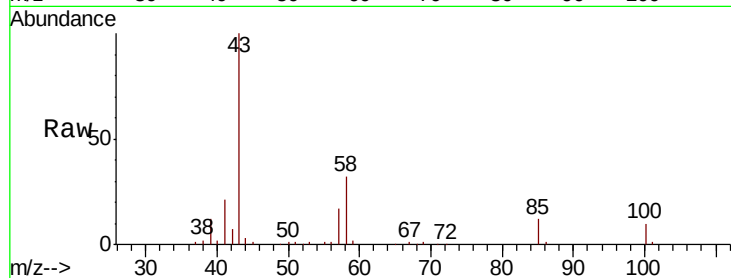
RA-081718-WSW-20-053

Tot Ion: 43 Resp: 640726

Ion Ratio Lower Upper

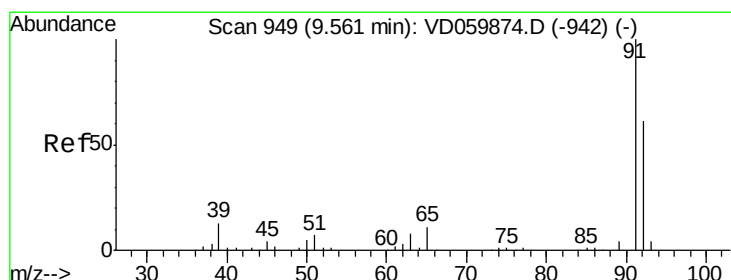
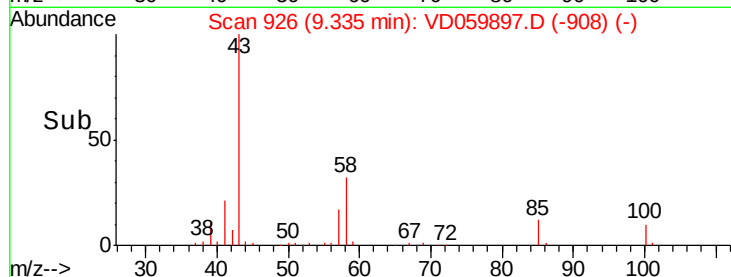
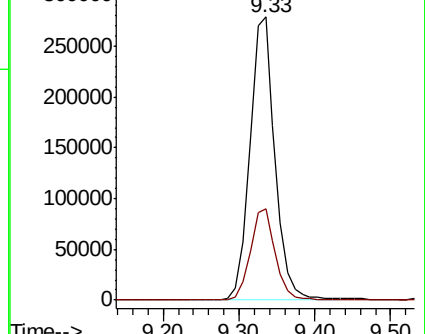
43 100

58 32.2 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 45.71 ug/l

RT: 9.54 min Scan# 947

Delta R.T. -0.02 min

Lab File: VD059897.D

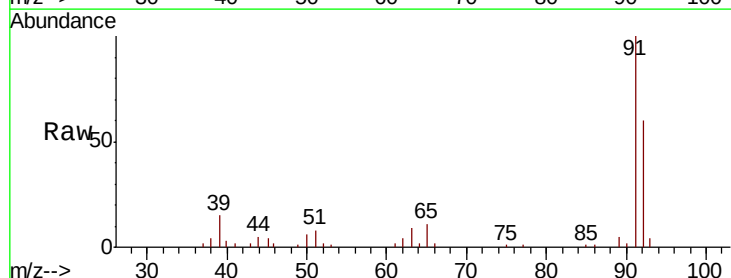
Acq: 23 Aug 2018 19:26

Tgt Ion: 92 Resp: 62260

Ion Ratio Lower Upper

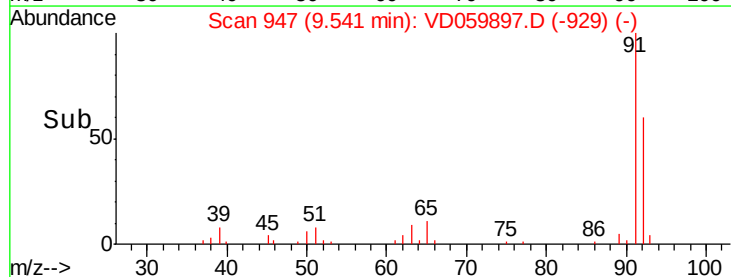
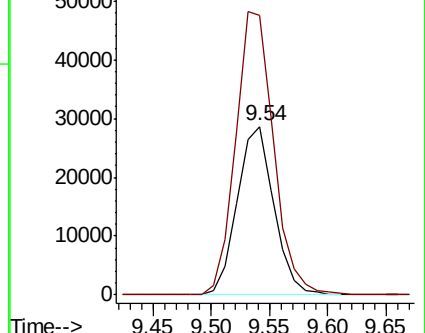
92 100

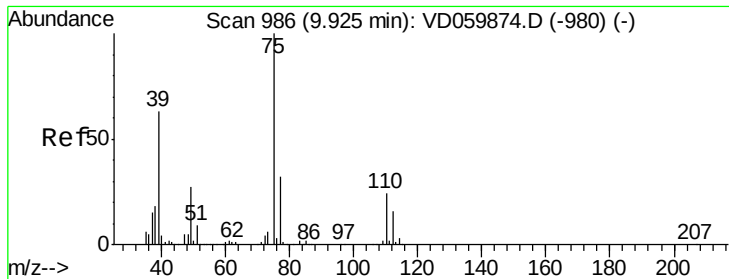
91 165.8 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 72.90 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

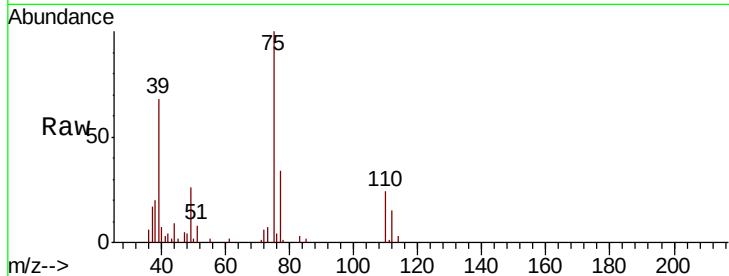
RA-081718-WSW-20-053

Tot Ion: 75 Resp: 58276

Ion Ratio Lower Upper

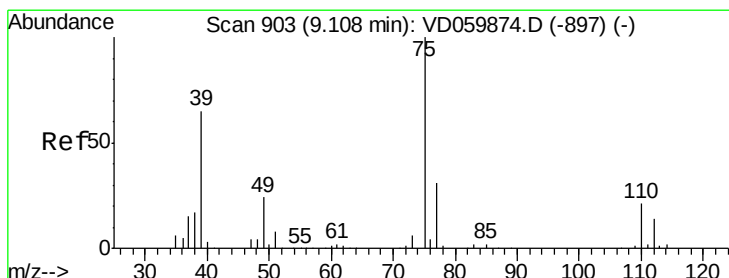
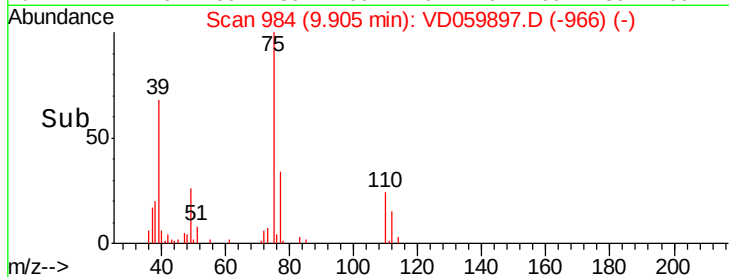
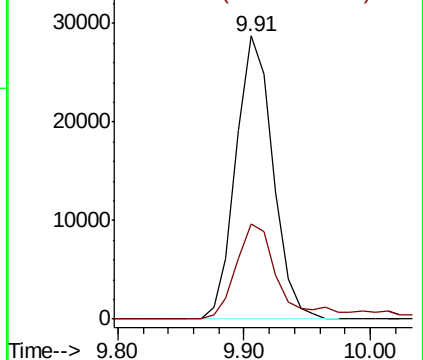
75 100

77 33.8 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: 65.96 ug/l

RT: 9.09 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

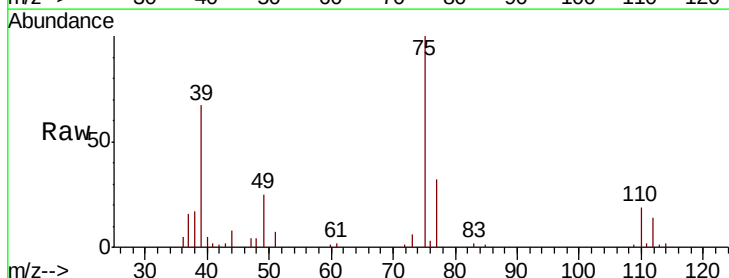
Tgt Ion: 75 Resp: 61134

Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

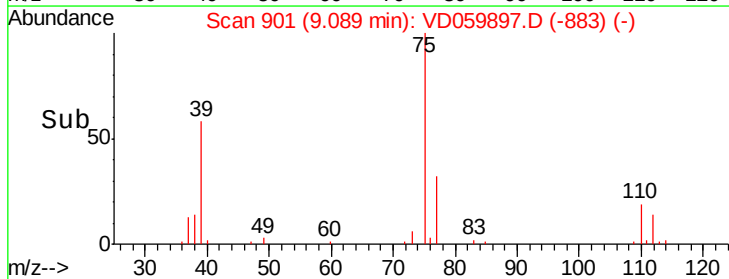
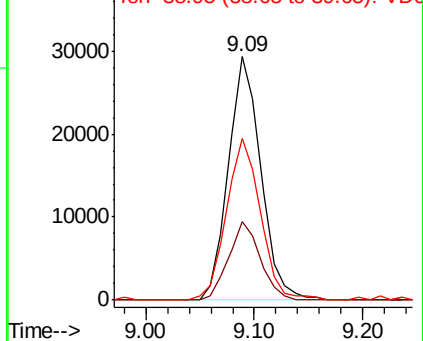
39 66.5 52.1 78.1

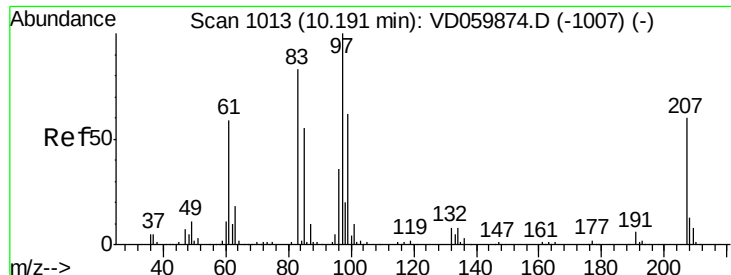


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



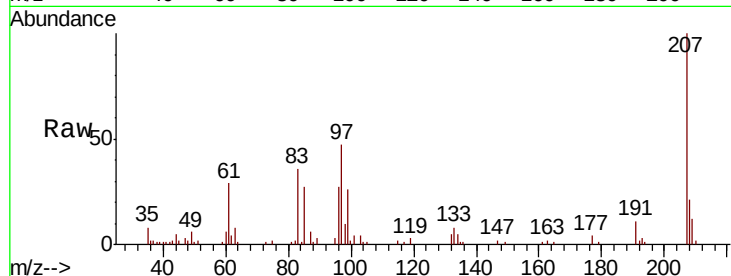


#55
 1,1,2-Trichloroethane
 Concen: 89.07 ug/l
 RT: 10.17 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

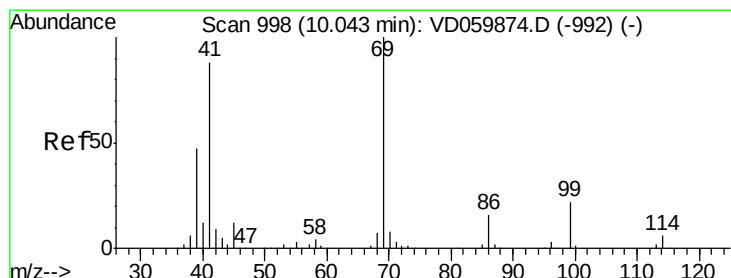
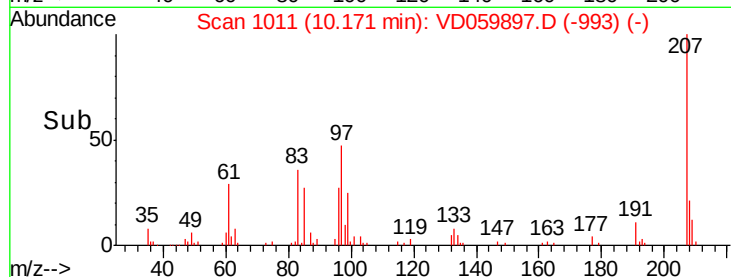
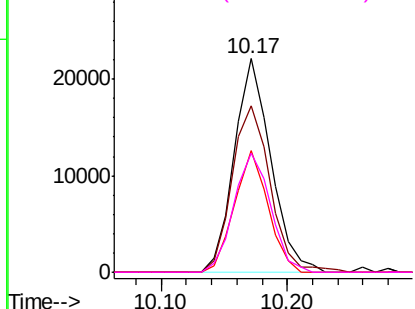
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

Tot Ion: 97 Resp: 44349

Ion	Ratio	Lower	Upper
97	100		
83	77.7	66.7	100.1
85	57.1	43.8	65.6
99	55.8	49.8	74.6



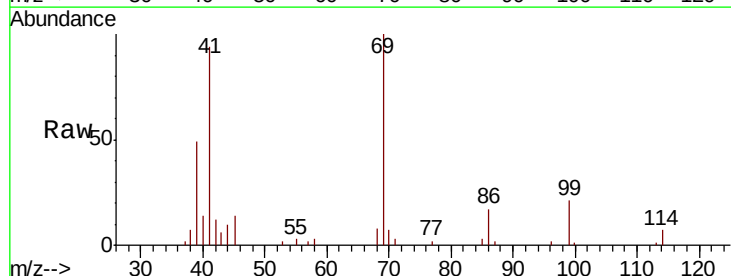
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



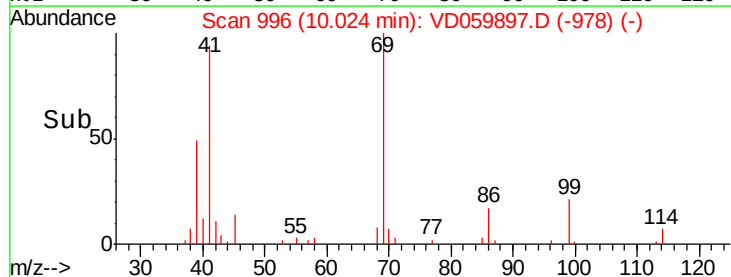
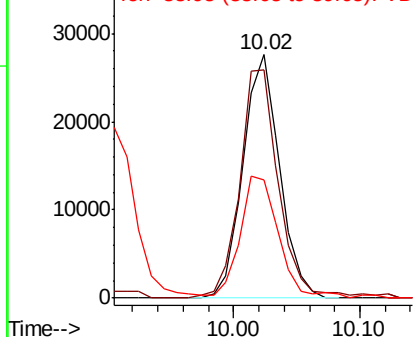
#56
 Ethyl methacrylate
 Concen: 96.47 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

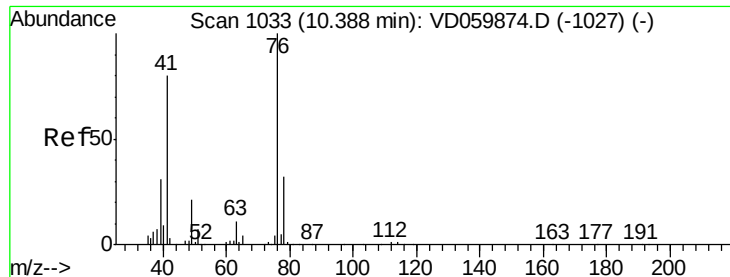
Tgt Ion: 69 Resp: 55431

Ion	Ratio	Lower	Upper
69	100		
41	94.0	71.0	106.4
39	48.8	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: 83.03 ug/l

RT: 10.38 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

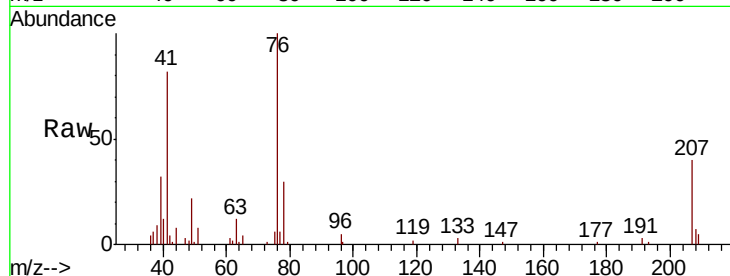
RA-081718-WSW-20-053

Tot Ion: 76 Resp: 59831

Ion Ratio Lower Upper

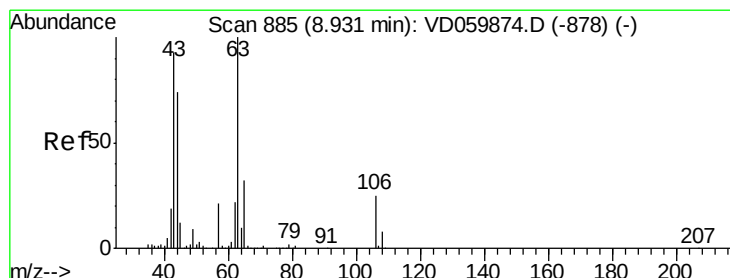
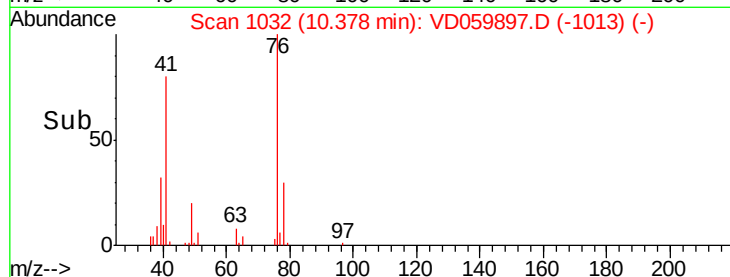
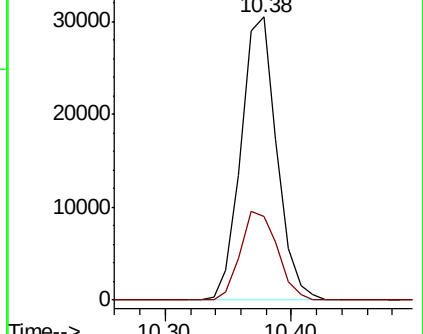
76 100

78 29.7 25.8 38.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 604.20 ug/l

RT: 8.91 min Scan# 883

Delta R.T. -0.02 min

Lab File: VD059897.D

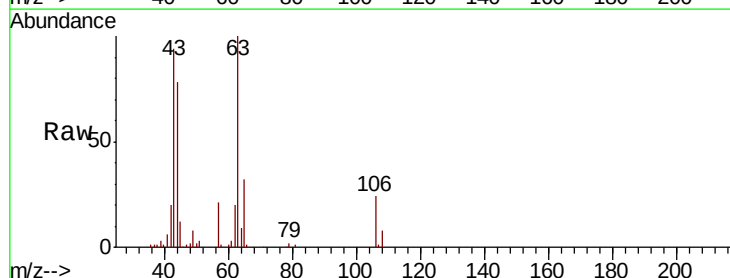
Acq: 23 Aug 2018 19:26

Tgt Ion: 63 Resp: 166551

Ion Ratio Lower Upper

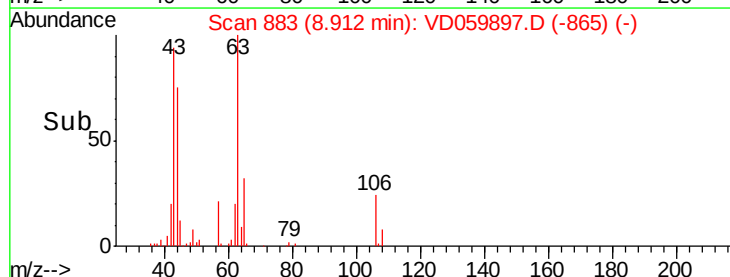
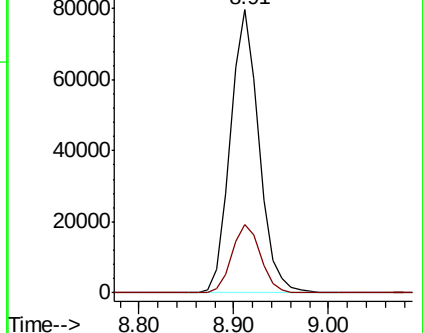
63 100

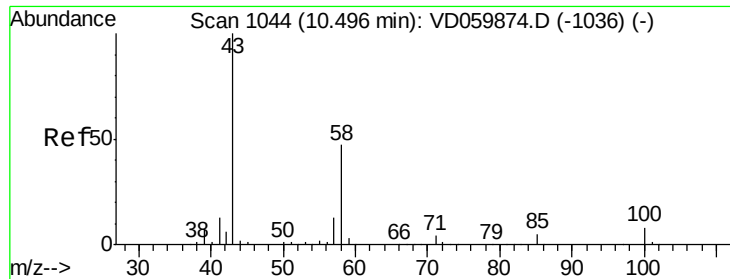
106 24.1 20.1 30.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

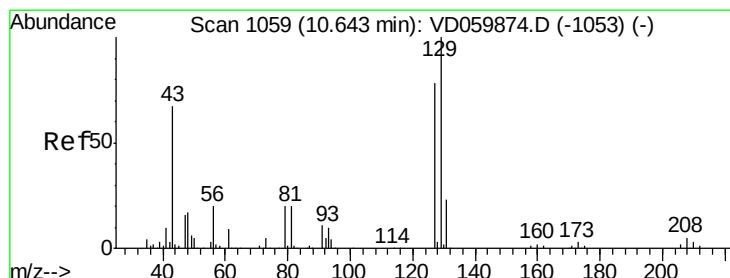
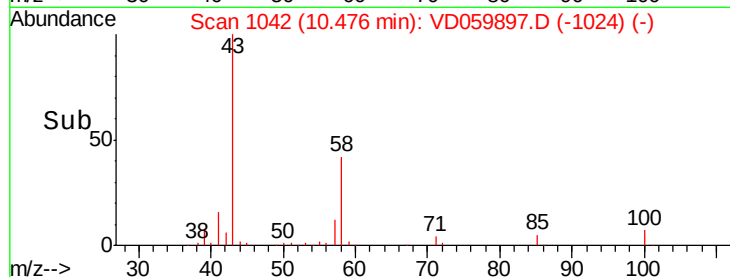
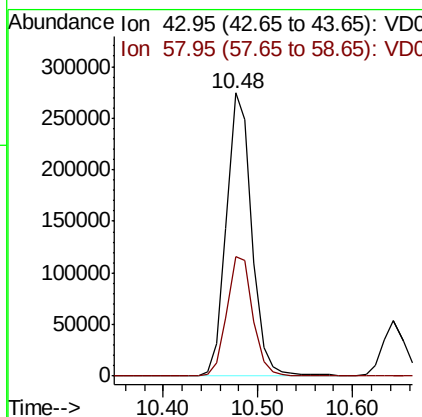
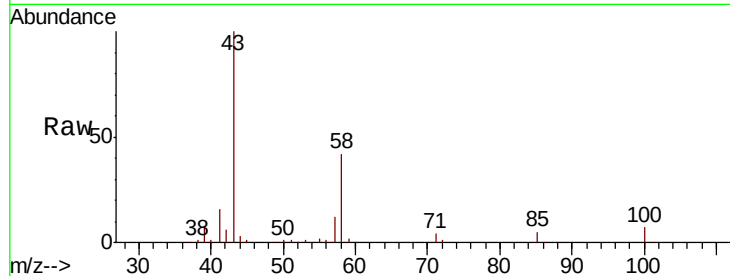




#59
2-Hexanone
Concen: 1112.39 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

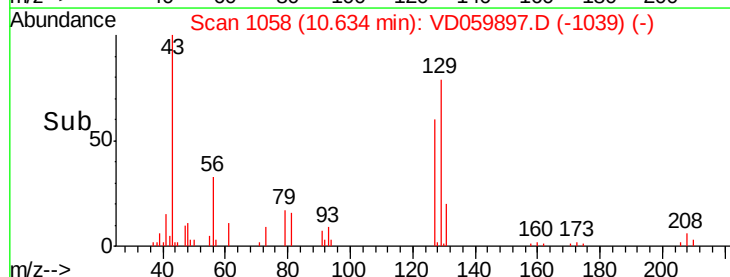
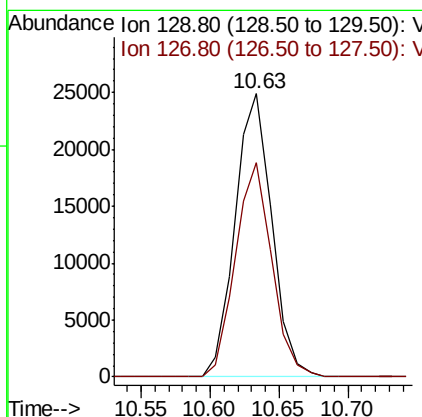
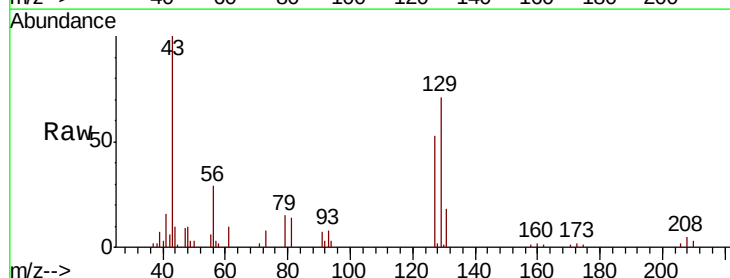
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

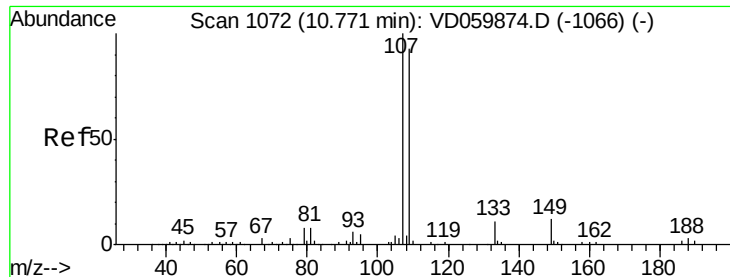
Tot Ion: 43 Resp: 505881
Ion Ratio Lower Upper
43 100
58 42.3 23.3 69.8



#60
Dibromochloromethane
Concen: 73.75 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 129 Resp: 46155
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 93.57 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

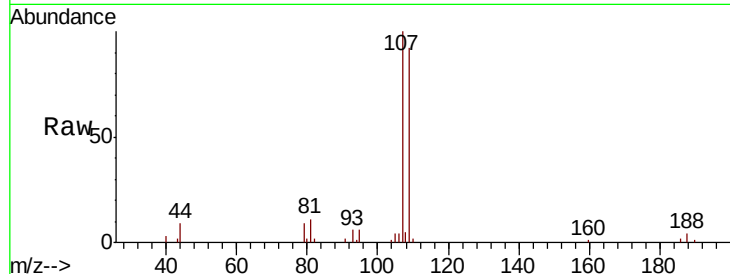
RA-081718-WSW-20-053

Tot Ion:107 Resp: 47106

Ion Ratio Lower Upper

107 100

109 92.4 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

30000

25000

20000

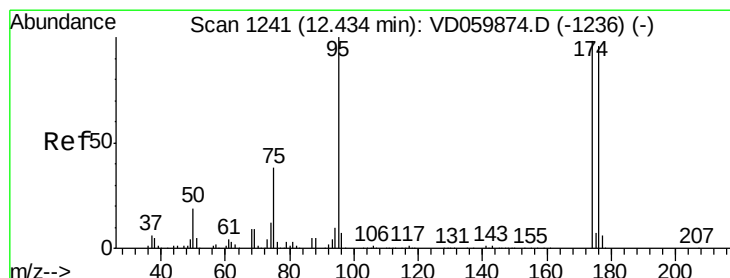
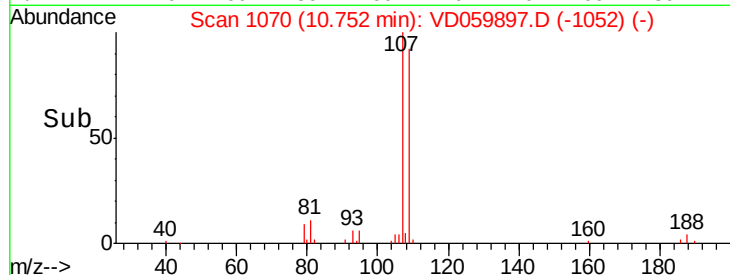
15000

10000

5000

0

Time--> 10.65 10.70 10.75 10.80



#62

4-Bromofluorobenzene

Concen: 93.57 ug/l

RT: 12.42 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

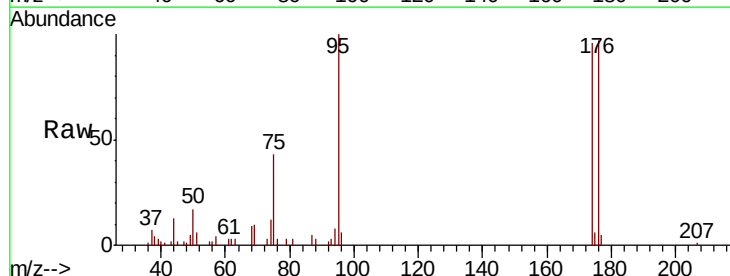
Tgt Ion: 95 Resp: 36664

Ion Ratio Lower Upper

95 100

174 96.2 0.0 195.6

176 96.6 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.42

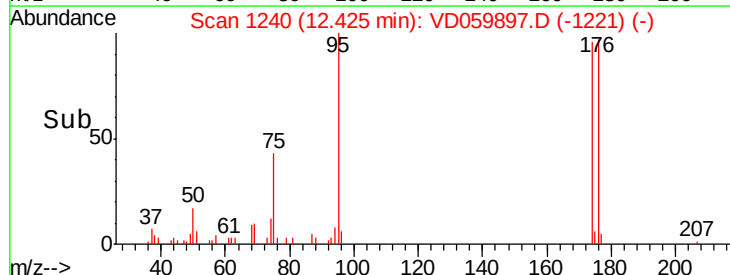
30000

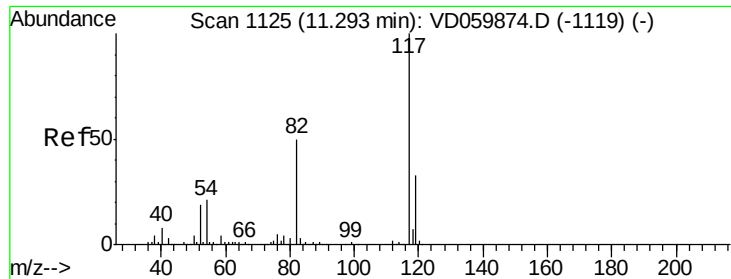
20000

10000

0

Time--> 12.35 12.40 12.45 12.50

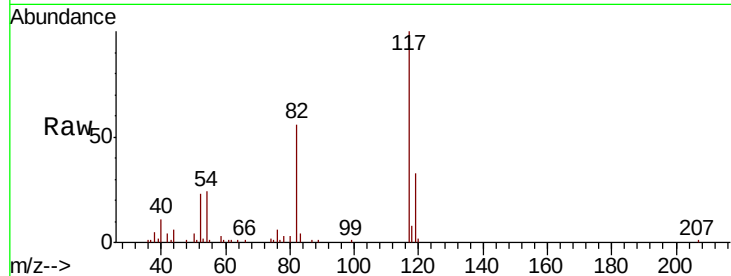




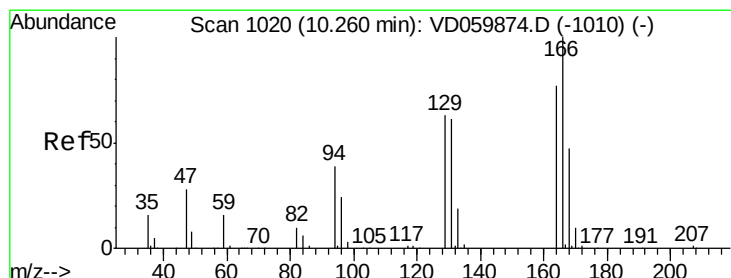
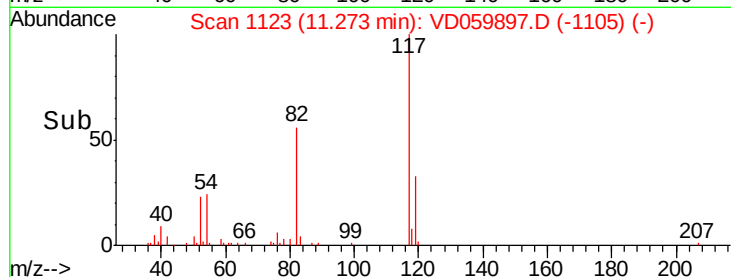
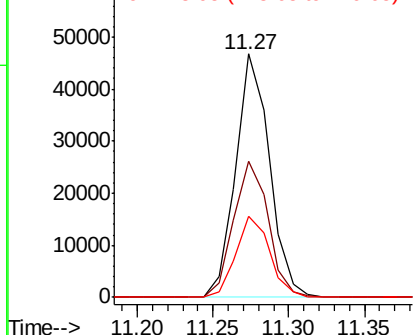
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

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

Tot Ion:117 Resp: 72544
Ion Ratio Lower Upper
117 100
82 56.1 40.1 60.1
119 33.2 26.7 40.1

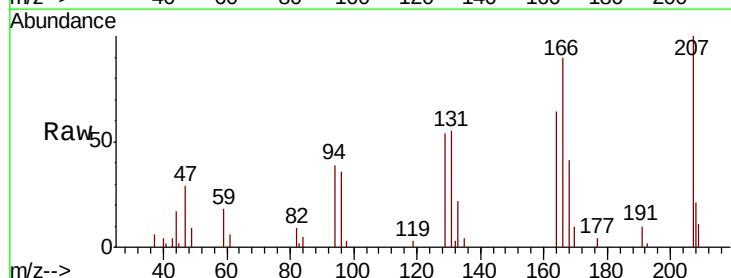


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

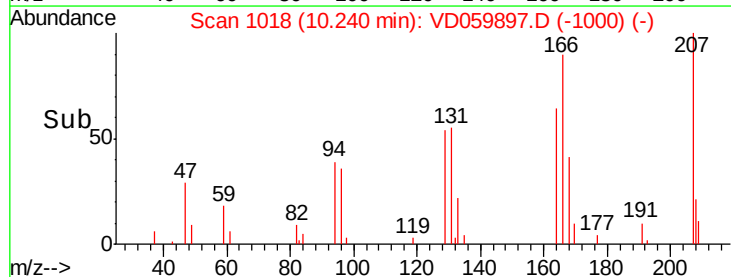
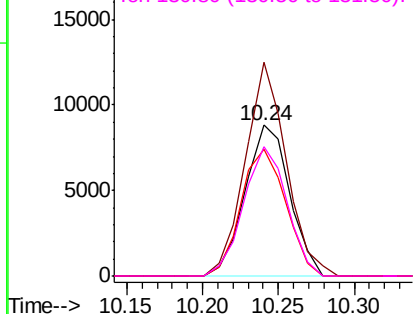


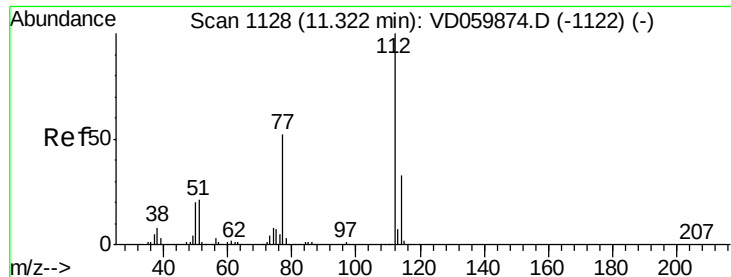
#64
Tetrachloroethene
Concen: 32.35 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion:164 Resp: 18146
Ion Ratio Lower Upper
164 100
166 141.9 103.4 155.2
129 84.2 65.2 97.8
131 86.0 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

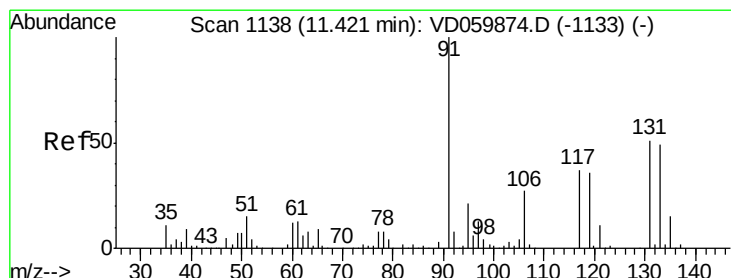
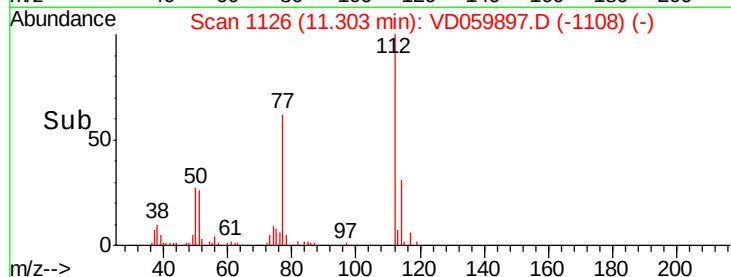
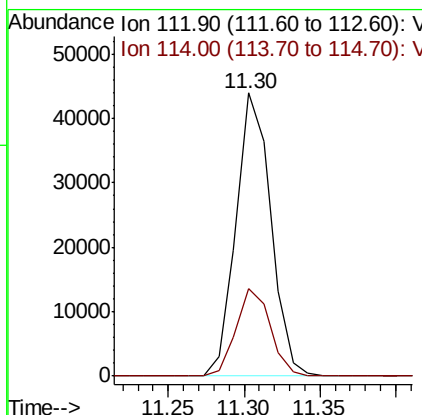
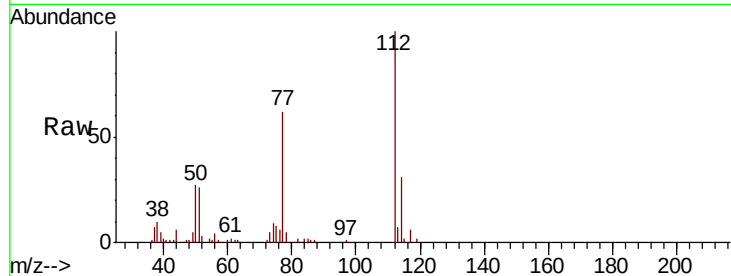




#65
Chlorobenzene
Concen: 48.62 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

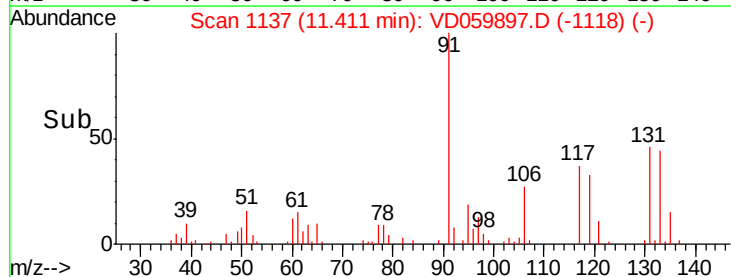
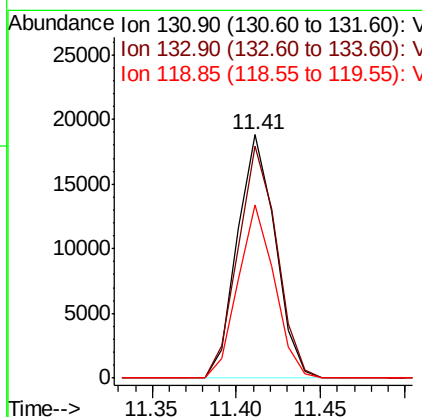
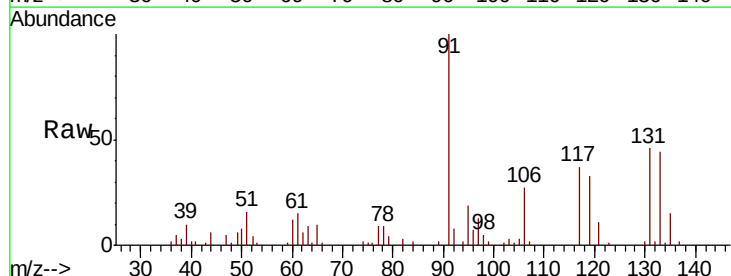
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

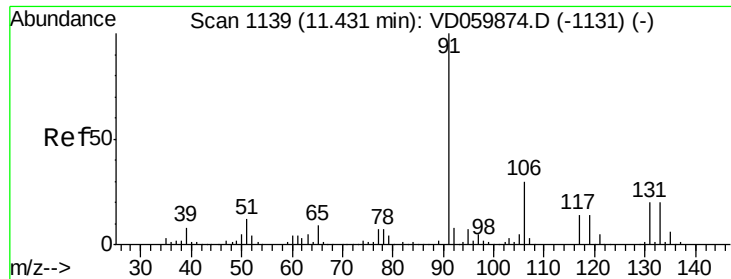
Tot Ion:112 Resp: 70088
Ion Ratio Lower Upper
112 100
114 30.7 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.74 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion:131 Resp: 29355
Ion Ratio Lower Upper
131 100
133 95.5 48.3 144.8
119 71.3 35.4 106.3

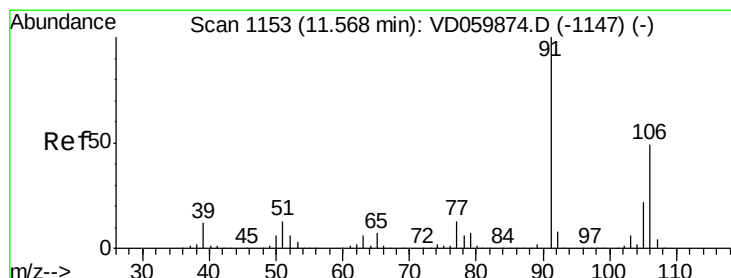
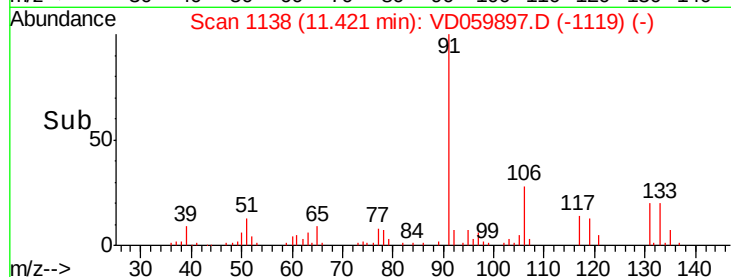
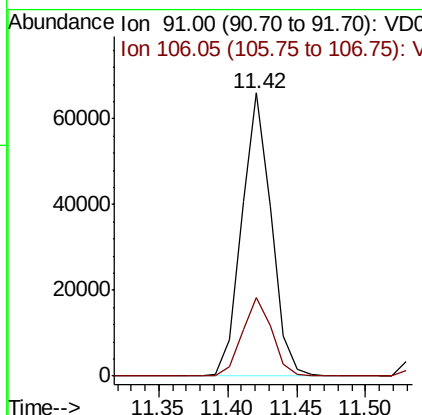
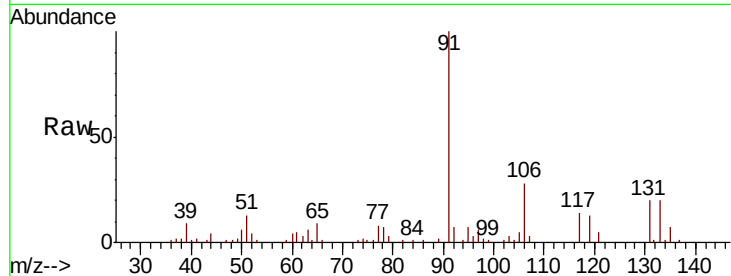




#67
Ethyl Benzene
Concen: 40.56 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

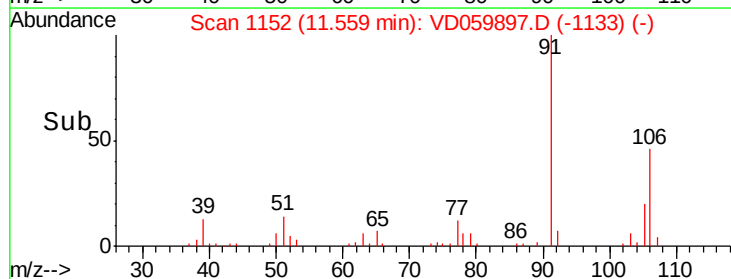
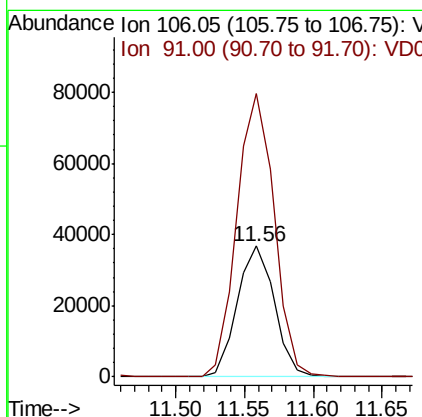
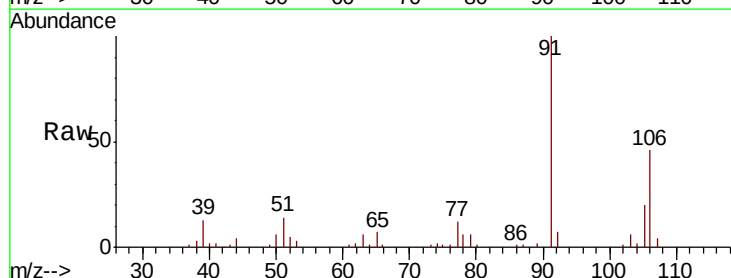
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

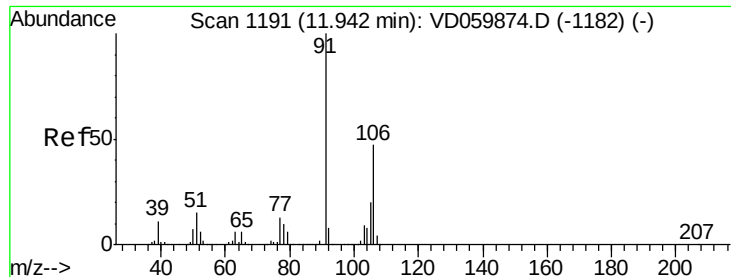
Tot Ion: 91 Resp: 98376
Ion Ratio Lower Upper
91 100
106 27.7 23.8 35.8



#68
m/p-Xylenes
Concen: 77.90 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 106 Resp: 68787
Ion Ratio Lower Upper
106 100
91 216.8 162.0 243.0

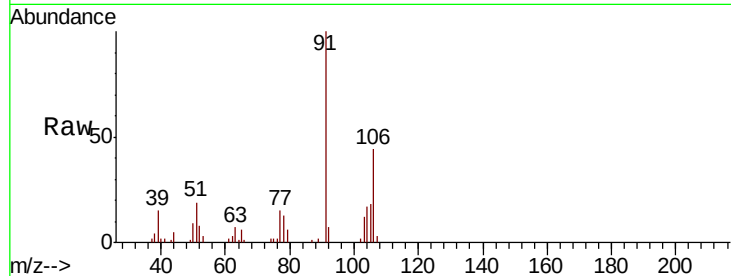




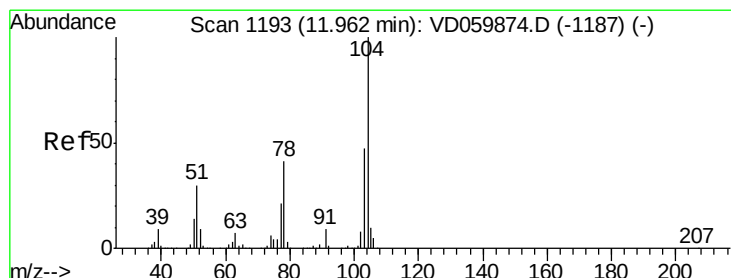
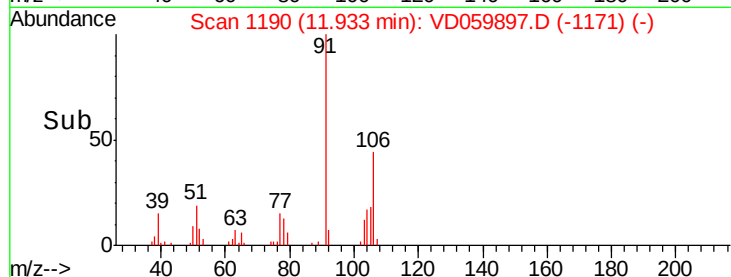
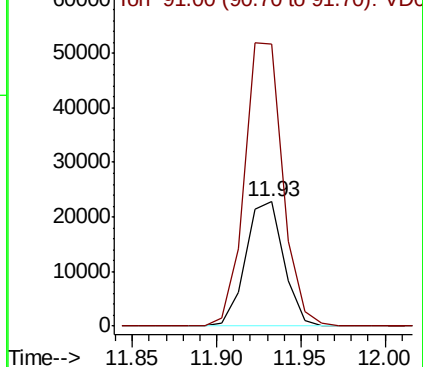
#69
o-Xylene
Concen: 41.33 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

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

Tot Ion:106 Resp: 35695
Ion Ratio Lower Upper
106 100
91 226.1 107.3 322.0

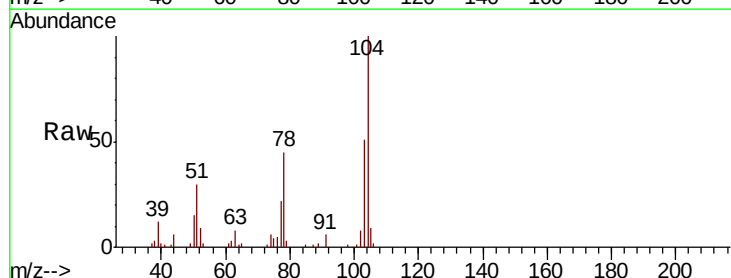


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

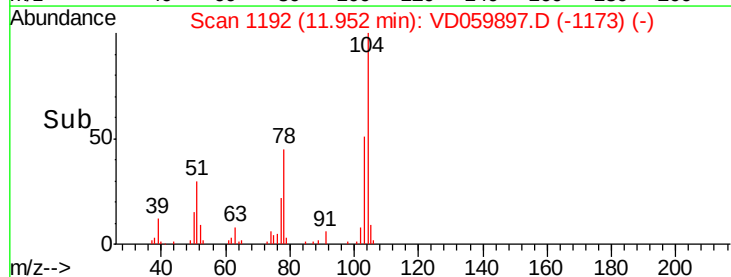
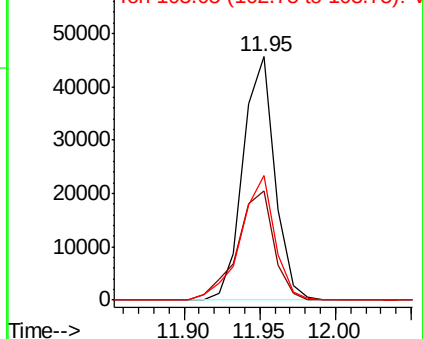


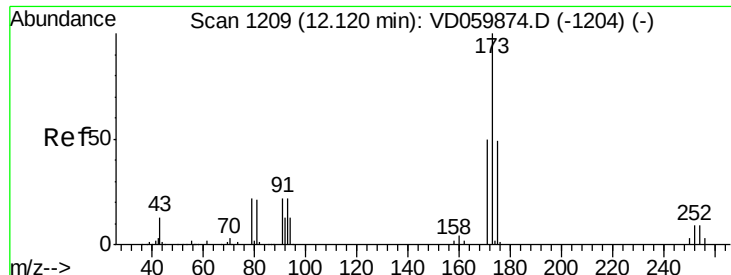
#70
Styrene
Concen: 44.57 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion:104 Resp: 66645
Ion Ratio Lower Upper
104 100
78 44.8 32.6 49.0
103 51.3 37.7 56.5



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





#71

Bromoform

Concen: 89.83 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

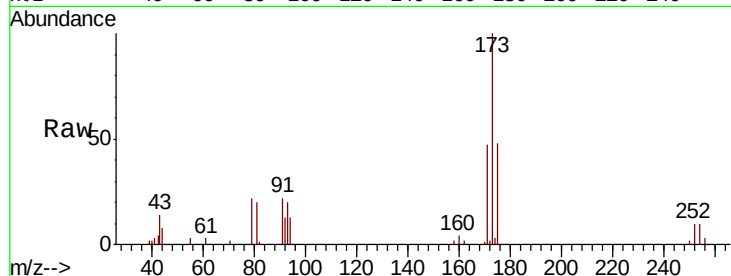
Tot Ion:173 Resp: 40936

Ion Ratio Lower Upper

173 100

175 47.7 24.3 73.0

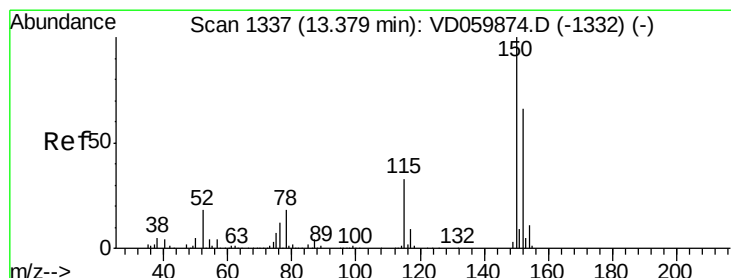
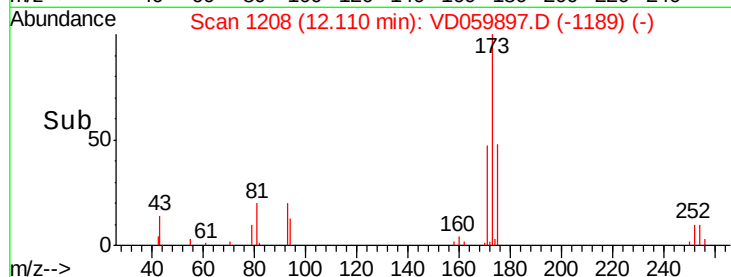
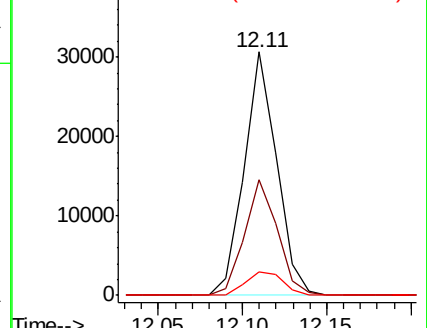
254 9.5 7.0 10.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

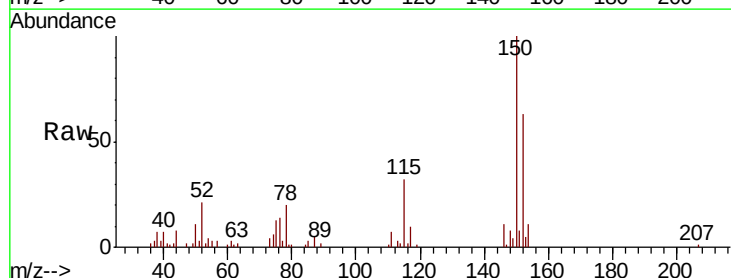
Tgt Ion:152 Resp: 27092

Ion Ratio Lower Upper

152 100

115 50.0 25.7 77.0

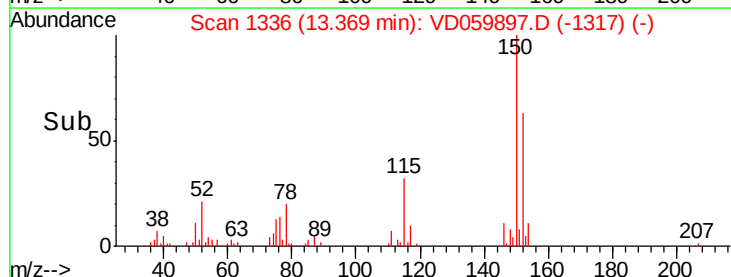
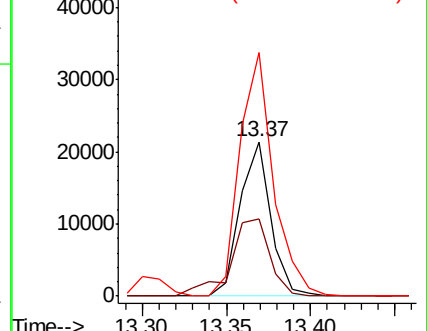
150 157.8 0.0 310.2

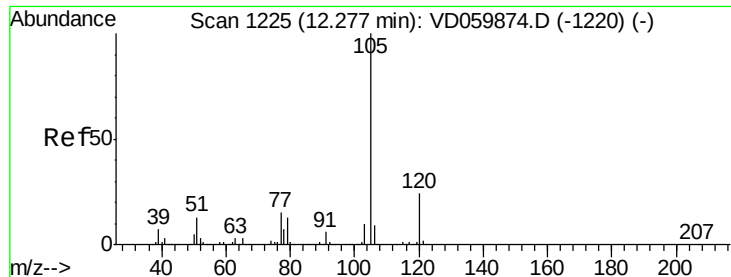


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 34.70 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

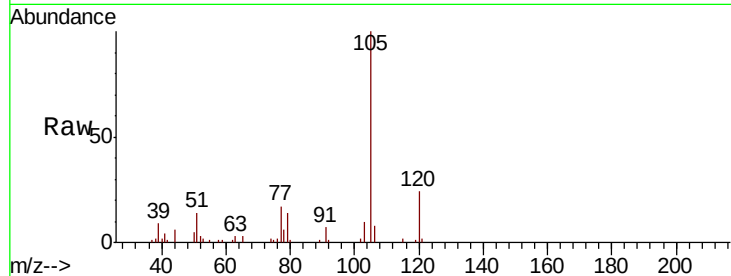
RA-081718-WSW-20-053

Tot Ion:105 Resp: 60002

Ion Ratio Lower Upper

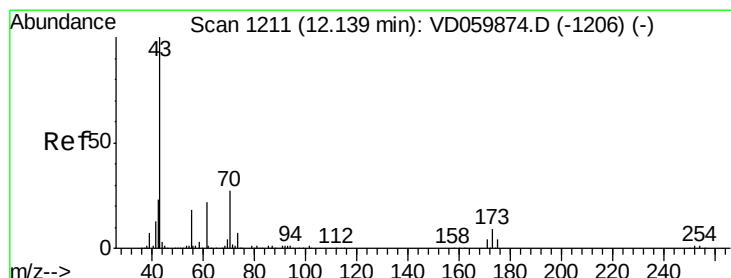
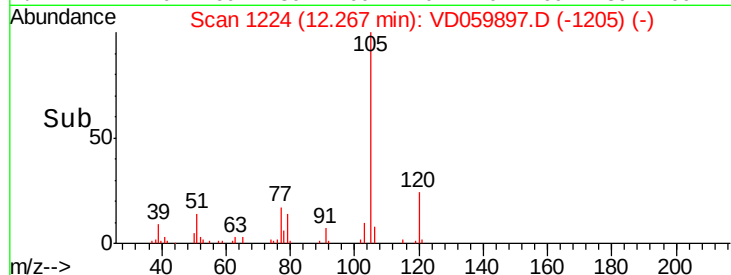
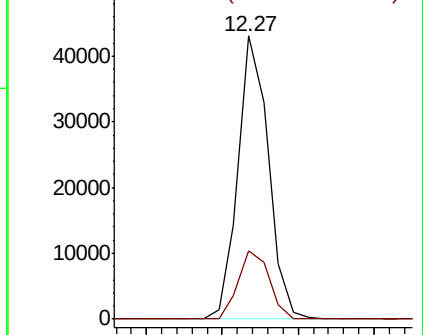
105 100

120 24.2 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: 98.16 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Tgt Ion: 43 Resp: 74328

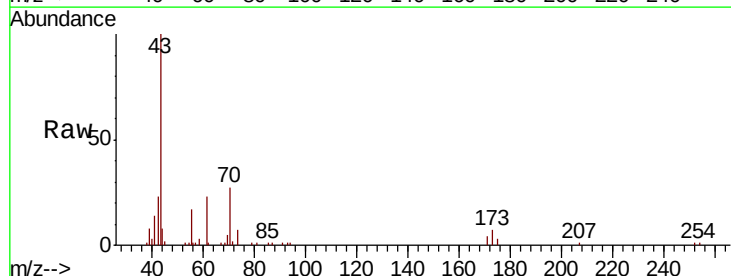
Ion Ratio Lower Upper

43 100

70 26.6 21.4 32.2

55 17.5 14.1 21.1

61 22.8 17.8 26.8

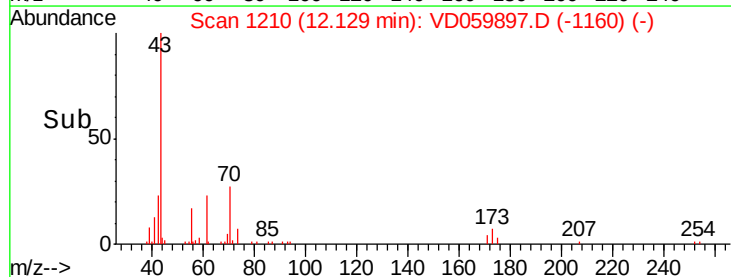
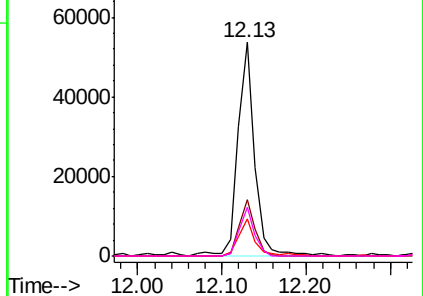


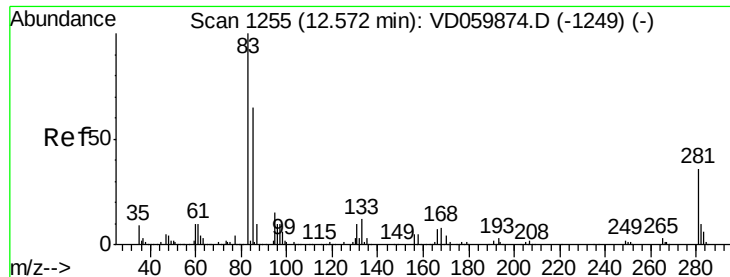
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 175.50 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

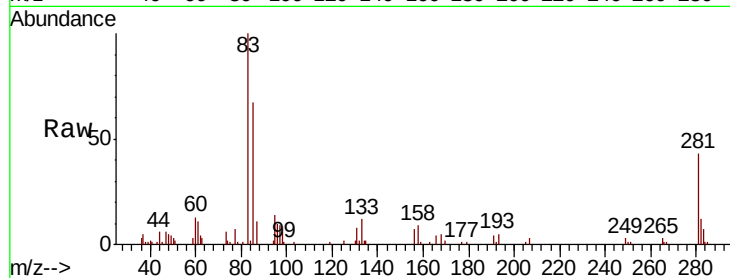
Tot Ion: 83 Resp: 70202

Ion Ratio Lower Upper

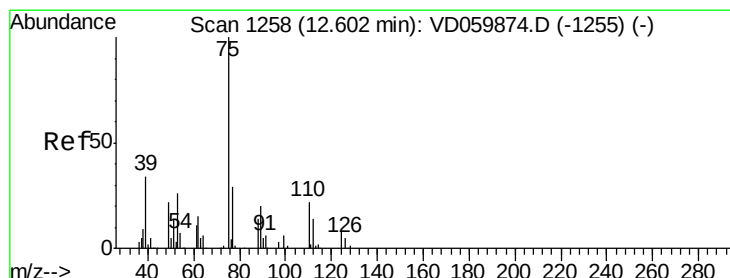
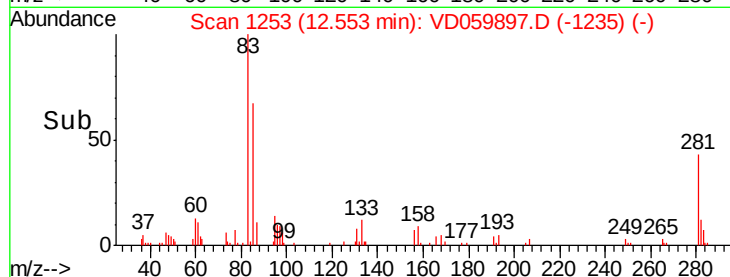
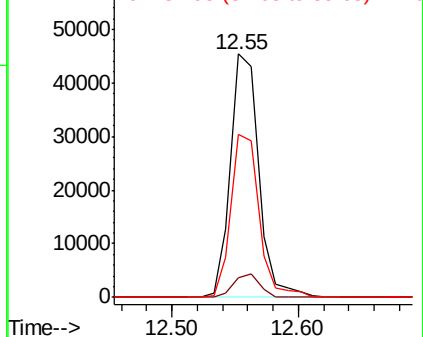
83 100

131 8.3 4.8 14.4

85 66.8 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: 195.99 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059897.D

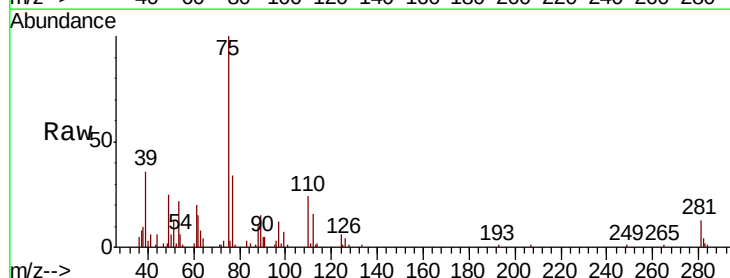
Acq: 23 Aug 2018 19:26

Tgt Ion: 75 Resp: 82528

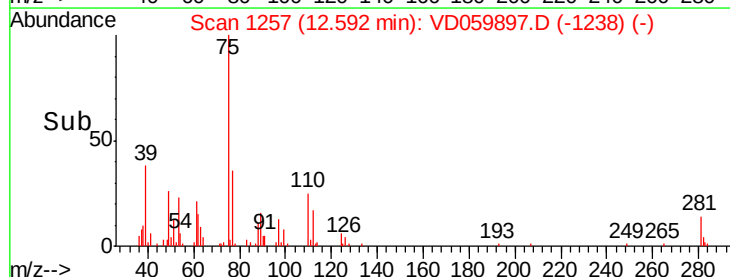
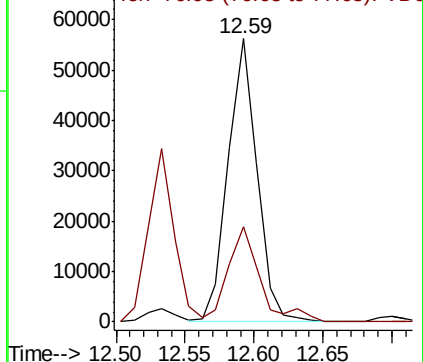
Ion Ratio Lower Upper

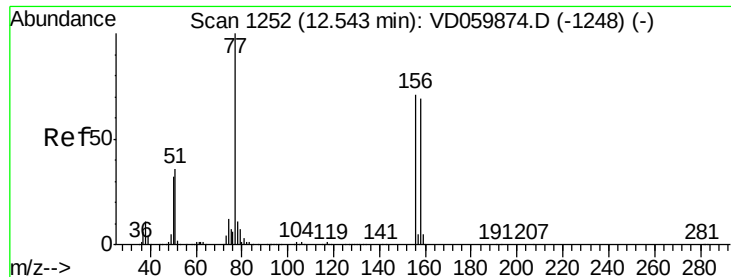
75 100

77 33.9 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: 66.20 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

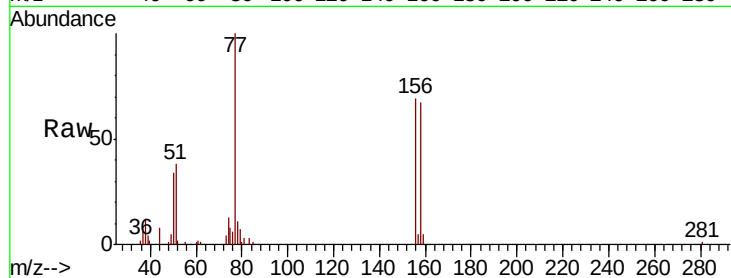
Tot Ion:156 Resp: 31742

Ion Ratio Lower Upper

156 100

77 145.2 70.2 210.4

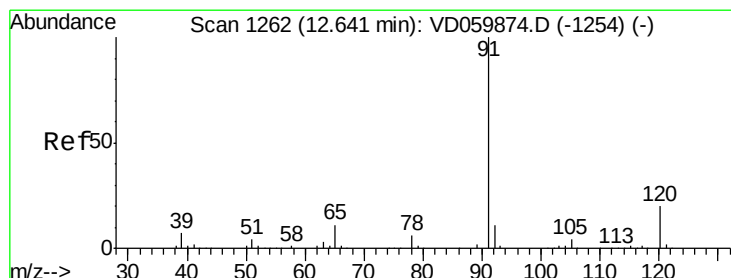
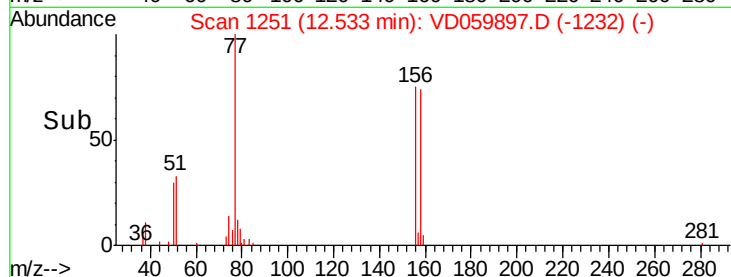
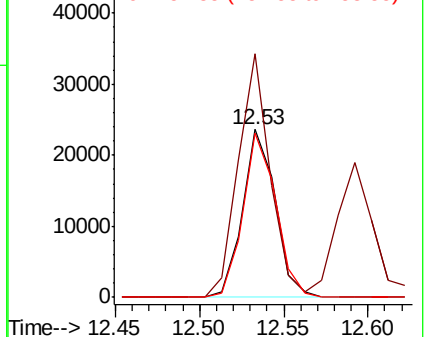
158 97.9 48.4 145.2



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: 33.48 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059897.D

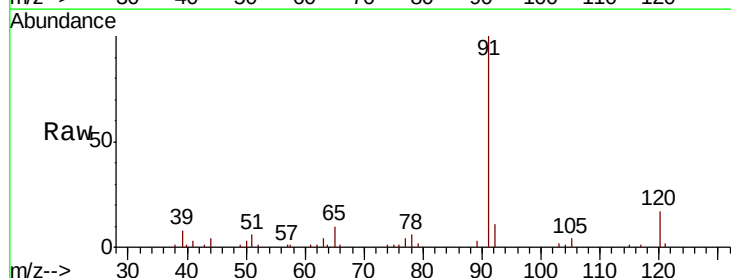
Acq: 23 Aug 2018 19:26

Tgt Ion: 91 Resp: 73327

Ion Ratio Lower Upper

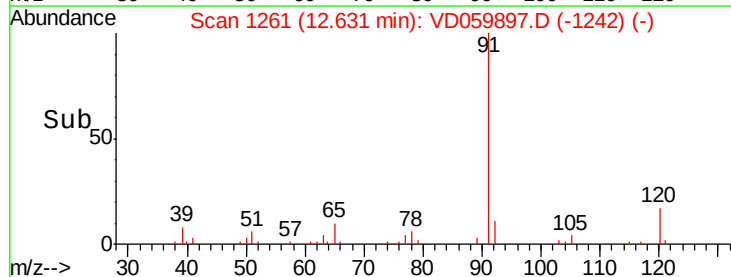
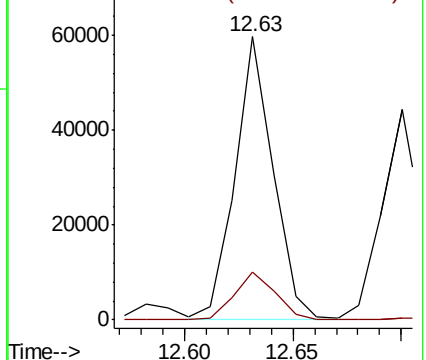
91 100

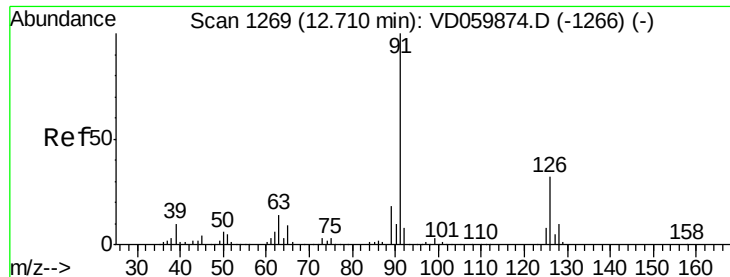
120 17.1 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 45.25 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

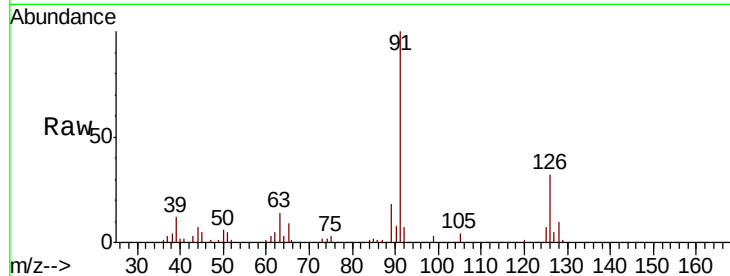
RA-081718-WSW-20-053

Tot Ion: 91 Resp: 56038

Ion Ratio Lower Upper

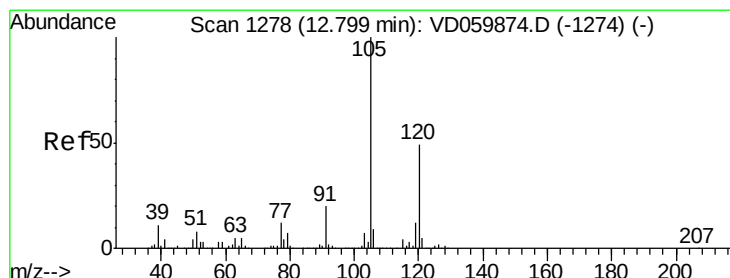
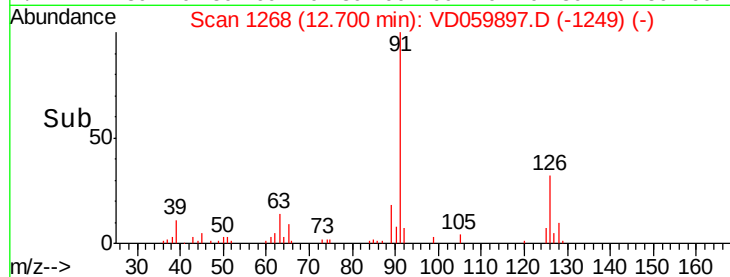
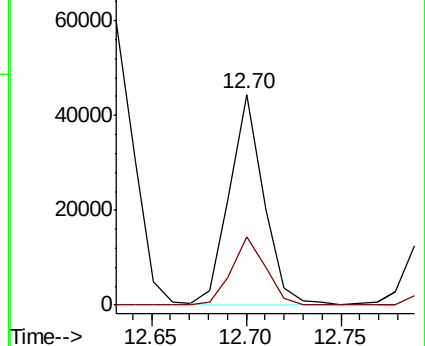
91 100

126 32.3 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 35.49 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059897.D

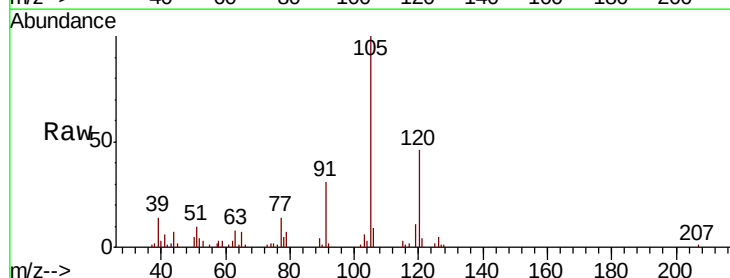
Acq: 23 Aug 2018 19:26

Tgt Ion: 105 Resp: 48801

Ion Ratio Lower Upper

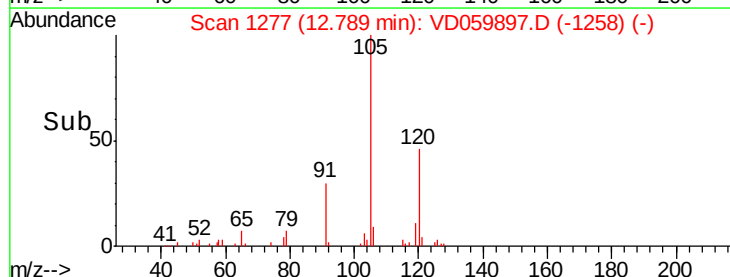
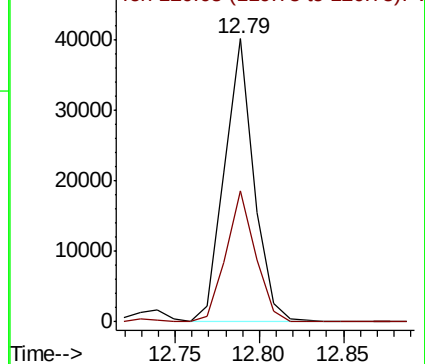
105 100

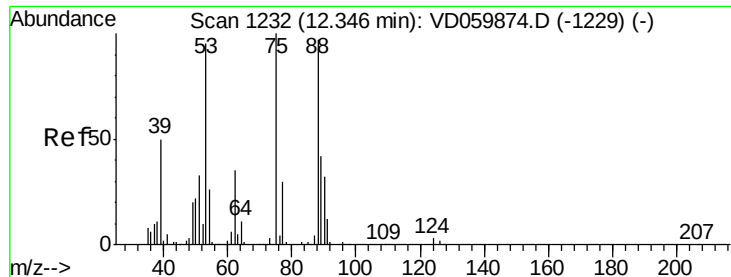
120 46.3 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

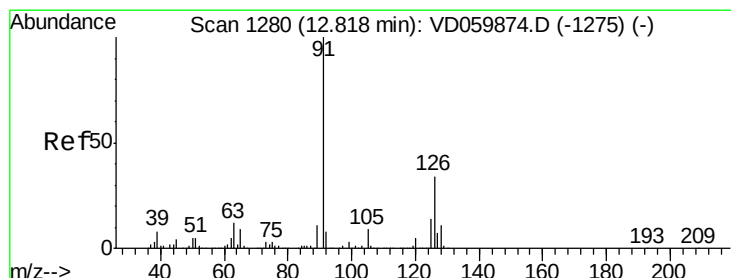
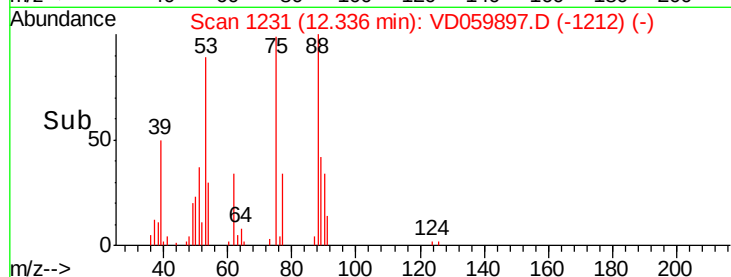
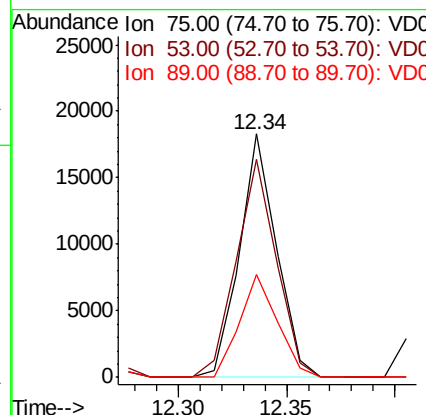
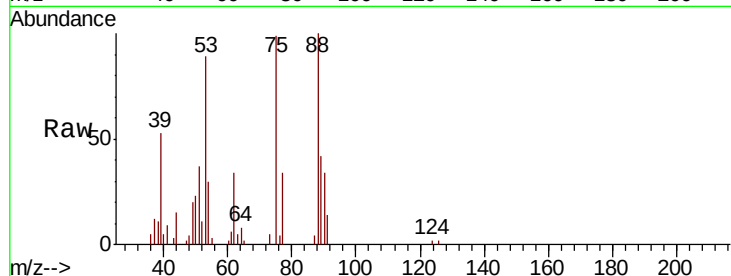




#81
trans-1,4-Dichloro-2-butene
Concen: 165.94 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

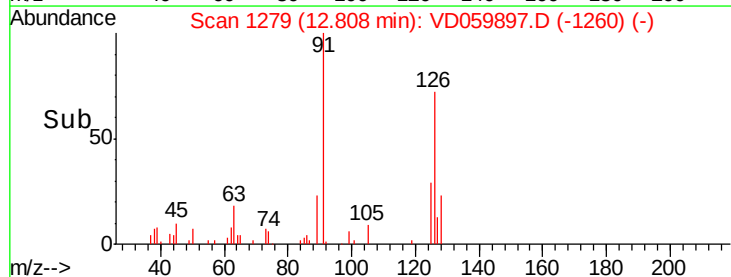
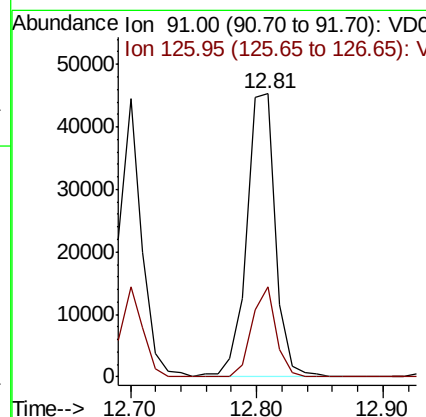
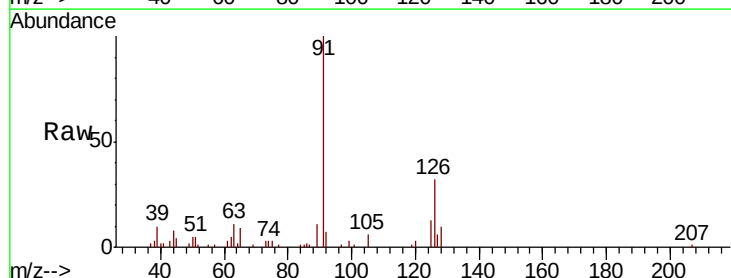
Instrument :
MSVOA_D
ClientSampleId :
RA-081718-WSW-20-053

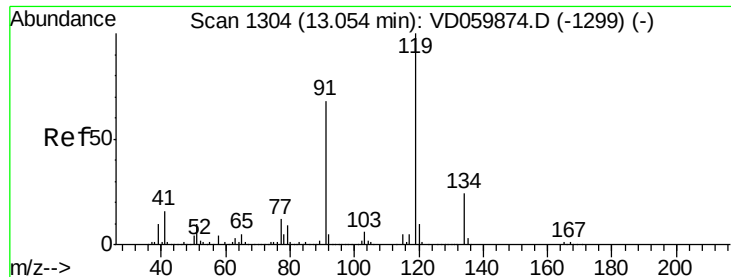
Tot Ion: 75 Resp: 21735
Ion Ratio Lower Upper
75 100
53 89.7 75.8 113.6
89 42.1 33.6 50.4



#82
4-Chlorotoluene
Concen: 50.46 ug/l
RT: 12.81 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion: 91 Resp: 71275
Ion Ratio Lower Upper
91 100
126 31.9 17.1 51.2

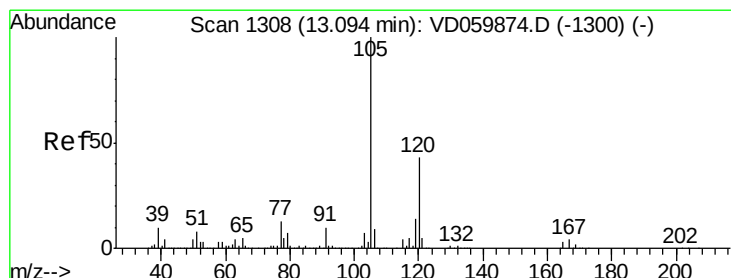
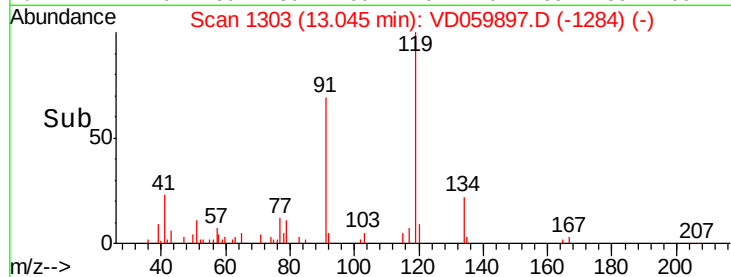
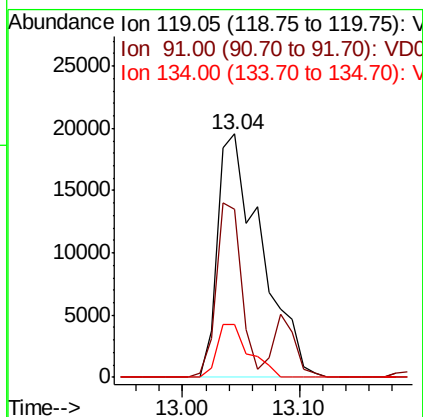
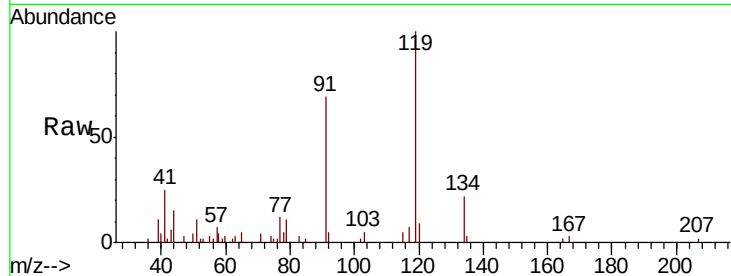




#83
 tert-Butylbenzene
 Concen: 32.39 ug/l
 RT: 13.04 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

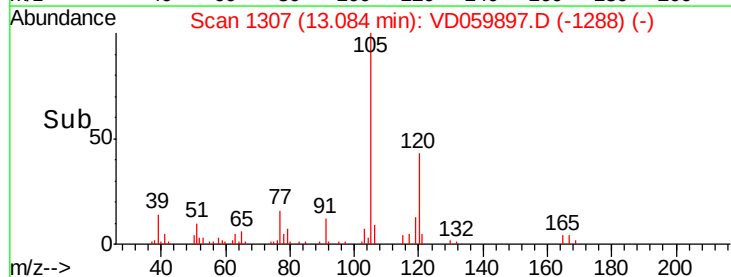
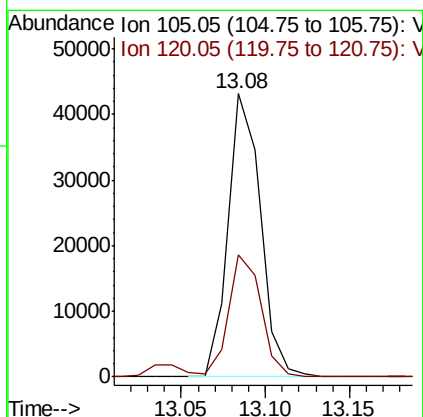
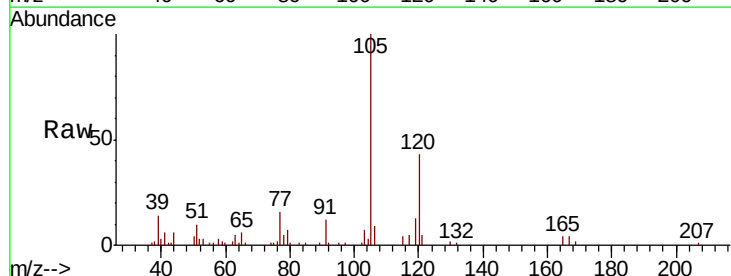
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

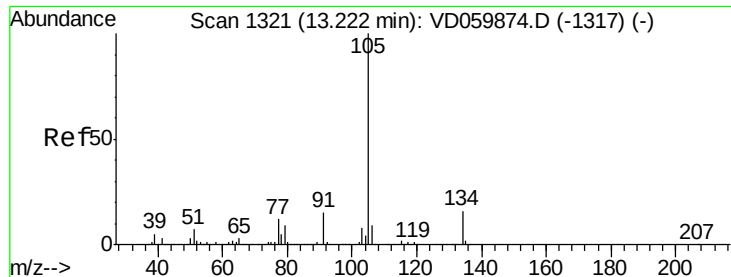
Tot Ion:119 Resp: 50731
 Ion Ratio Lower Upper
 119 100
 91 68.8 34.3 102.9
 134 21.8 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 40.19 ug/l
 RT: 13.08 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion:105 Resp: 57602
 Ion Ratio Lower Upper
 105 100
 120 43.3 21.8 65.3

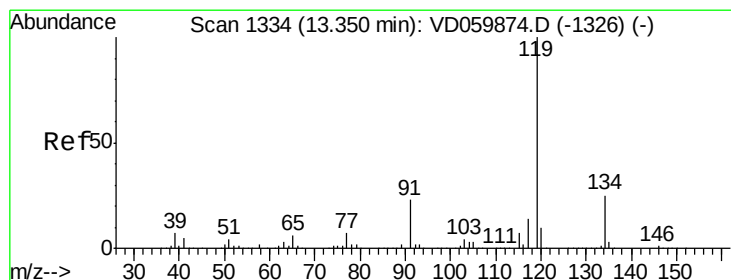
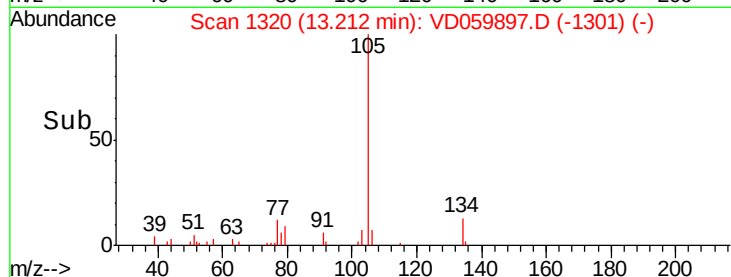
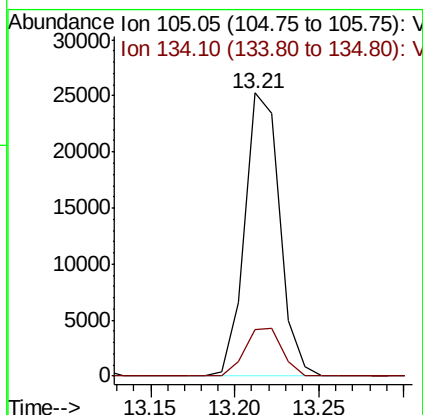
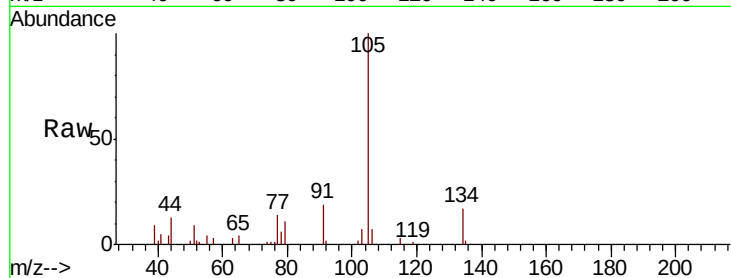




#85
 sec-Butylbenzene
 Concen: 19.71 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

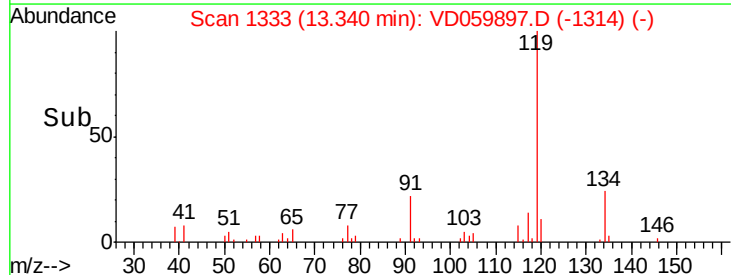
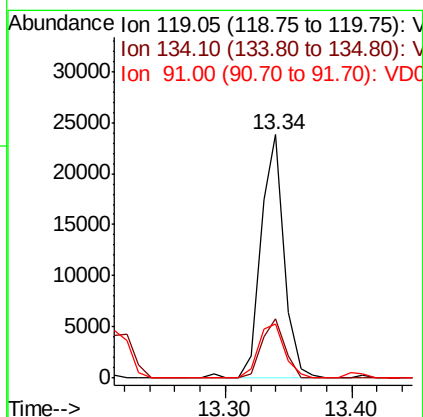
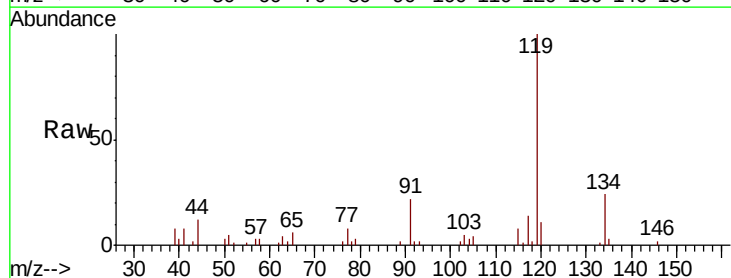
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

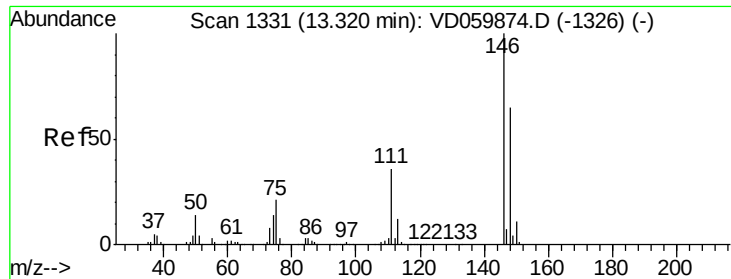
Tot Ion:105 Resp: 36306
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 20.25 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion:119 Resp: 30336
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.7 38.1
 91 22.2 11.7 35.0

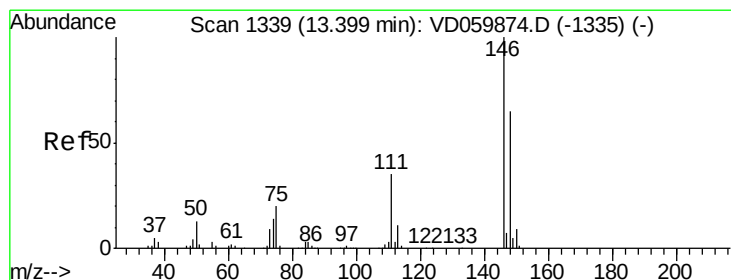
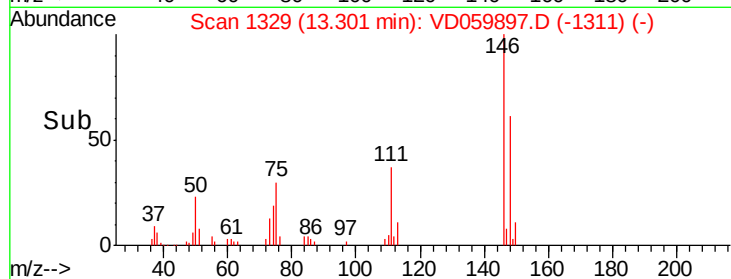
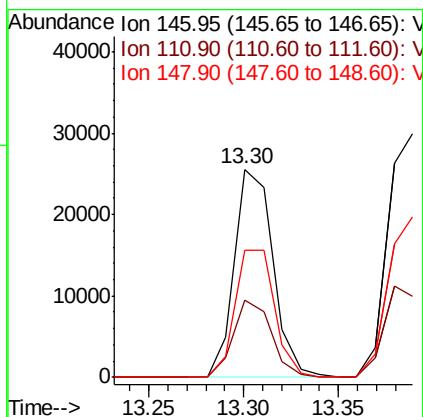
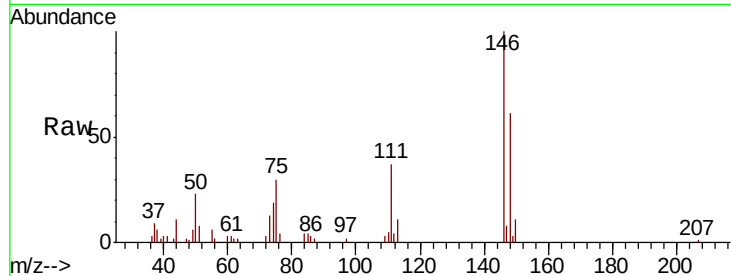




#87
 1,3-Dichlorobenzene
 Concen: 42.14 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

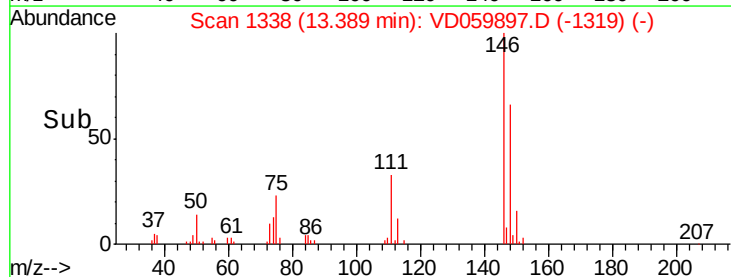
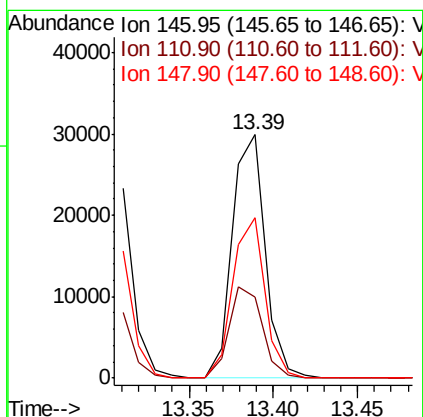
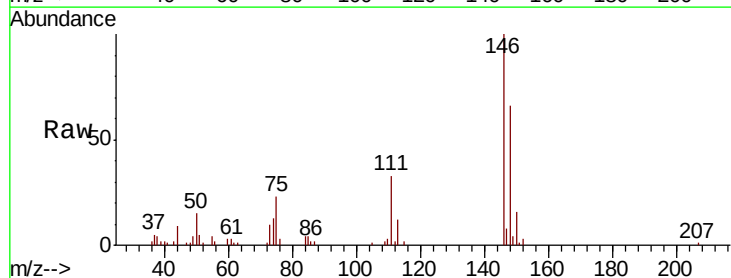
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

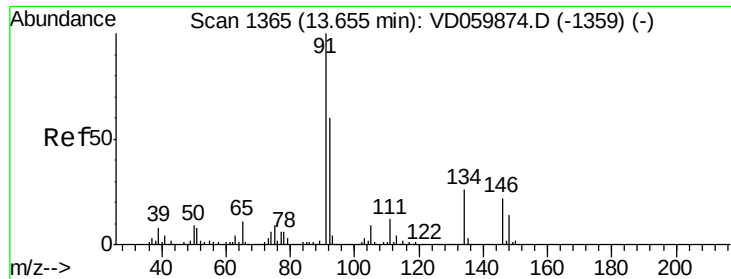
Tot Ion:146 Resp: 36074
 Ion Ratio Lower Upper
 146 100
 111 37.1 17.9 53.7
 148 61.2 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 47.49 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion:146 Resp: 40556
 Ion Ratio Lower Upper
 146 100
 111 33.4 17.5 52.6
 148 65.9 32.5 97.5





#89

n-Butylbenzene

Concen: 16.17 ug/l

RT: 13.64 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059897.D

Acq: 23 Aug 2018 19:26

Instrument :

MSVOA_D

ClientSampleId :

RA-081718-WSW-20-053

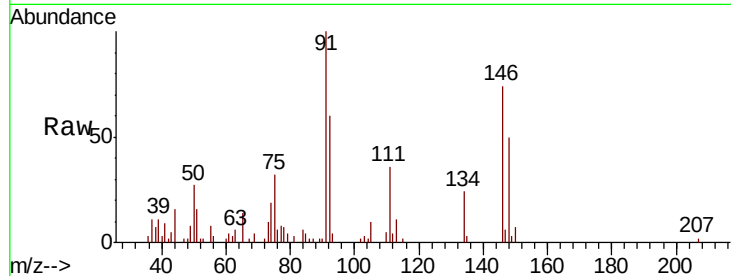
Tot Ion: 91 Resp: 26830

Ion Ratio Lower Upper

91 100

92 60.3 30.0 90.1

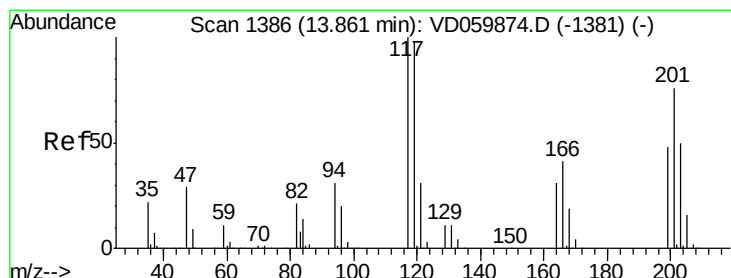
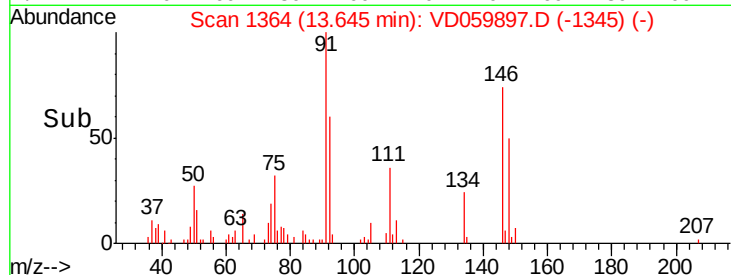
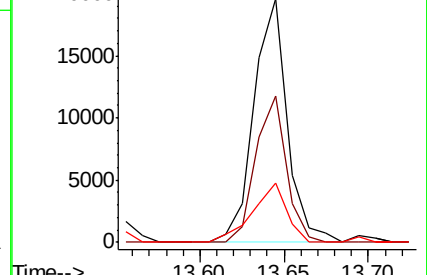
134 24.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 16.15 ug/l

RT: 13.85 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VD059897.D

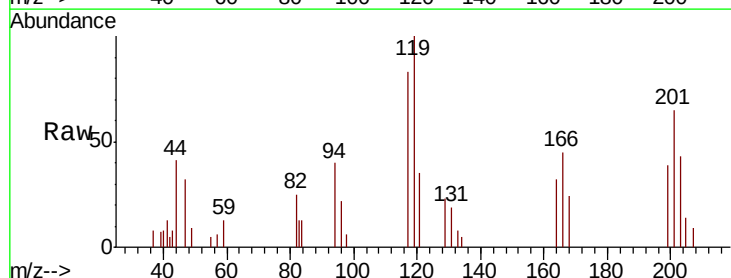
Acq: 23 Aug 2018 19:26

Tgt Ion: 117 Resp: 6497

Ion Ratio Lower Upper

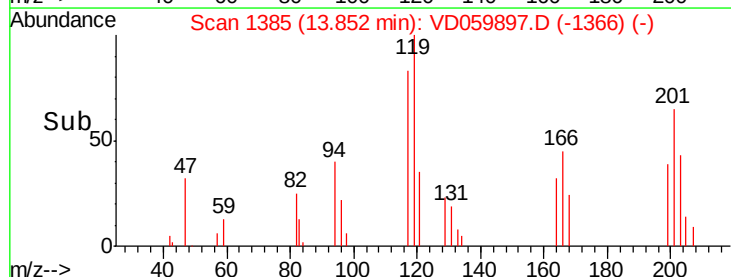
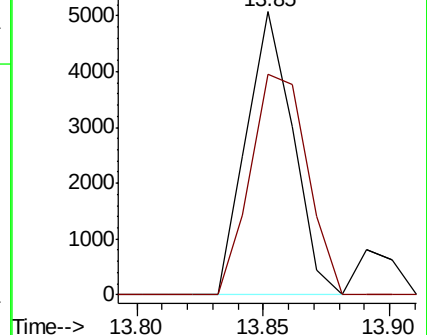
117 100

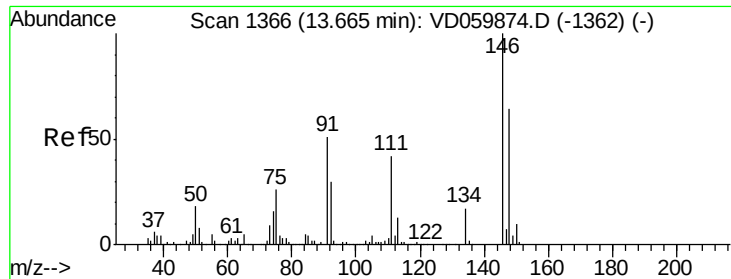
201 78.1 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

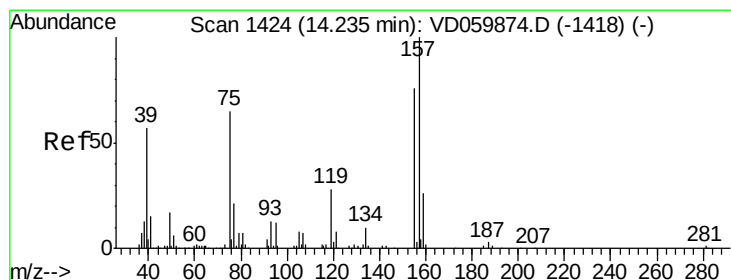
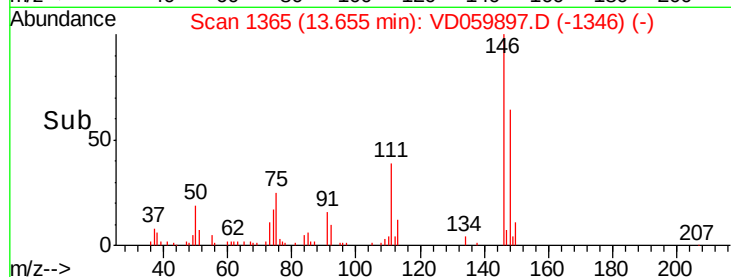
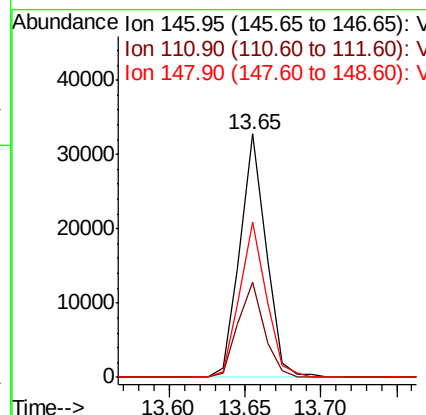
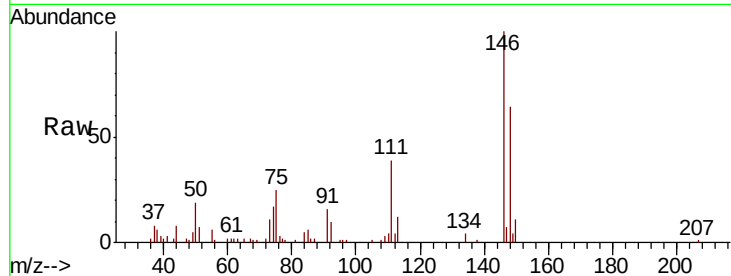




#91
 1,2-Dichlorobenzene
 Concen: 54.14 ug/l
 RT: 13.65 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

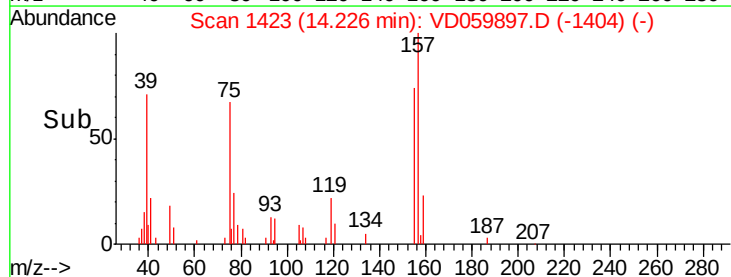
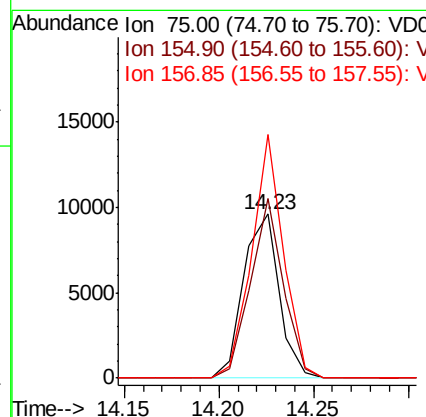
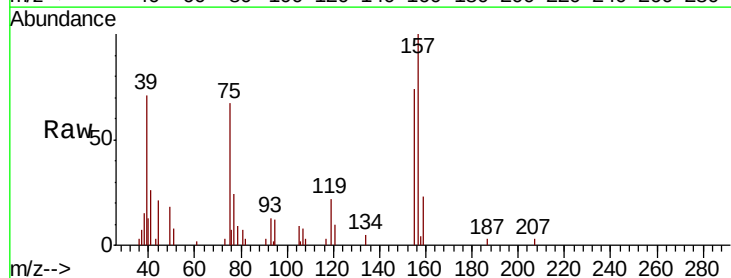
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081718-WSW-20-053

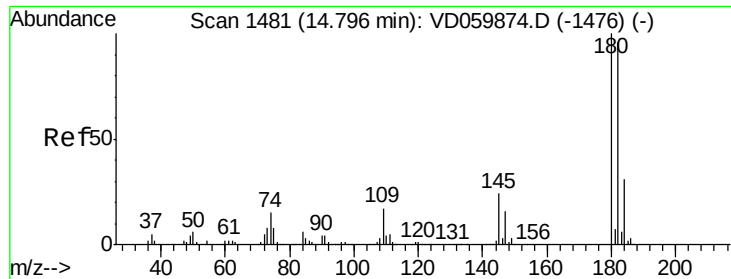
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.1	63.1
148	63.8	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 202.33 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	109.3	58.2	174.6
157	148.4	76.8	230.4

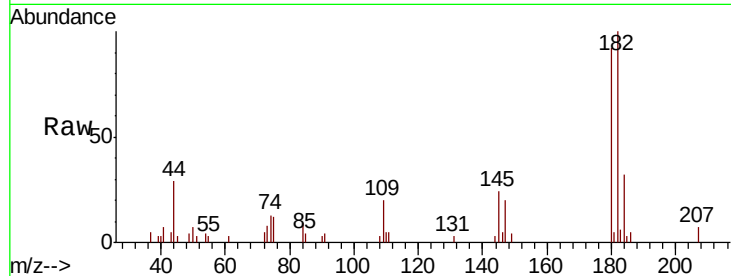




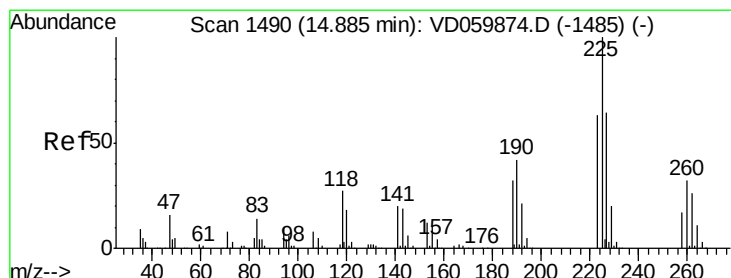
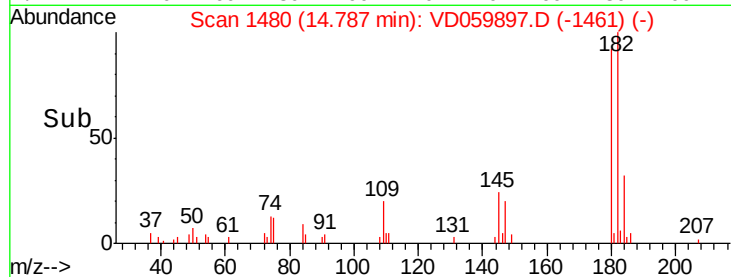
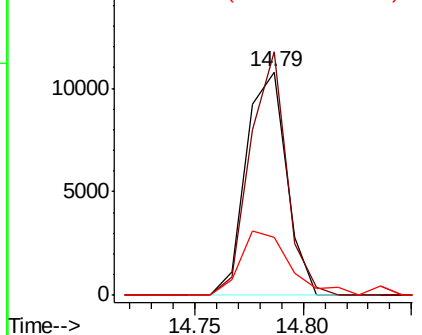
#93
 1,2,4-Trichlorobenzene
 Concen: 22.75 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

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

Tot Ion:180 Resp: 14178
 Ion Ratio Lower Upper
 180 100
 182 109.1 47.9 143.7
 145 26.2 12.2 36.4

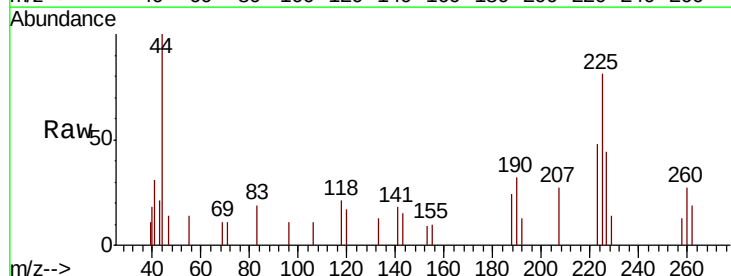


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

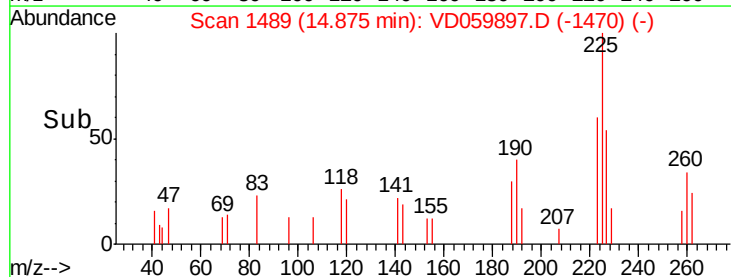
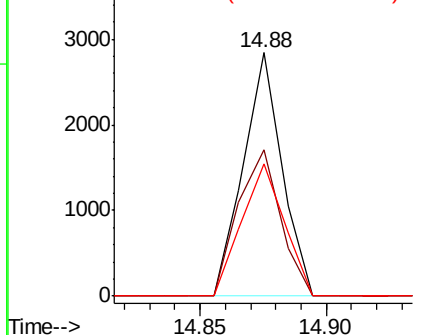


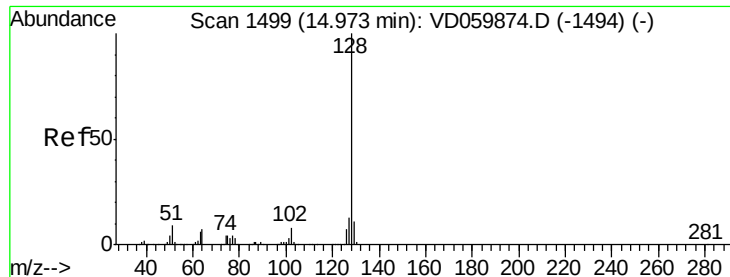
#94
 Hexachlorobutadiene
 Concen: 7.41 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059897.D
 Acq: 23 Aug 2018 19:26

Tgt Ion:225 Resp: 3029
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.6 94.8
 227 54.1 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

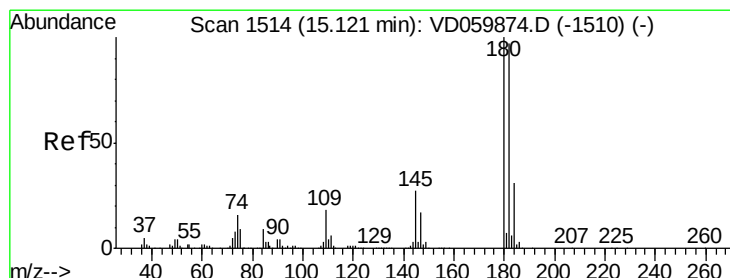
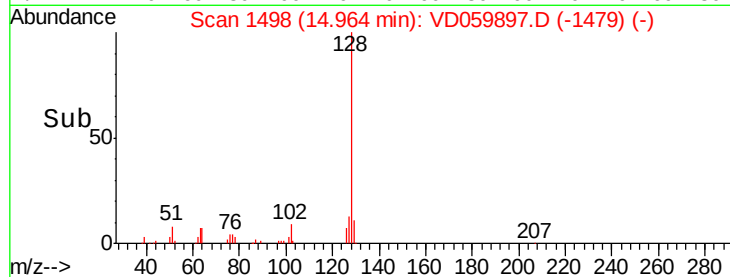
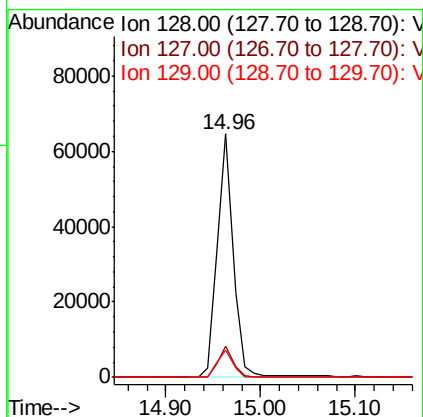
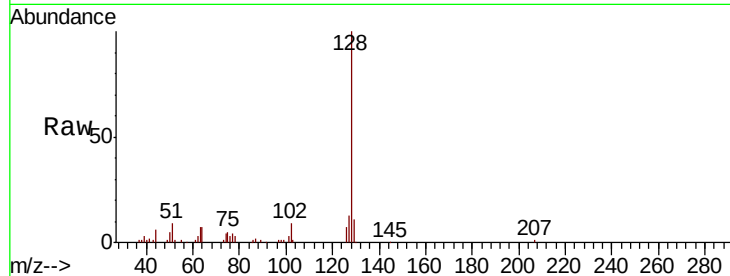




#95
Naphthalene
Concen: 80.26 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

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

Tot Ion:128 Resp: 76434
Ion Ratio Lower Upper
128 100
127 12.9 10.0 15.0
129 11.3 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 26.71 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059897.D
Acq: 23 Aug 2018 19:26

Tgt Ion:180 Resp: 14239
Ion Ratio Lower Upper
180 100
182 88.3 48.6 145.8
145 30.1 13.6 40.8

