

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061326.D
 Acq On : 26 Mar 2019 4:46
 Operator : VA/AP
 Sample : K2047-16
 Misc : 6.14g/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB440-190318-(19-21)

Quant Time: Mar 26 07:10:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	524574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	848550	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	767434	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	303533	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	203281	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	
35) Dibromofluoromethane	6.92	113	285172	43.92	ug/l	-0.01
Spiked Amount			Recovery	=	87.84%	
50) Toluene-d8	10.41	98	647477	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	
62) 4-Bromofluorobenzene	13.55	95	238515	38.84	ug/l	0.00
Spiked Amount			Recovery	=	77.68%	

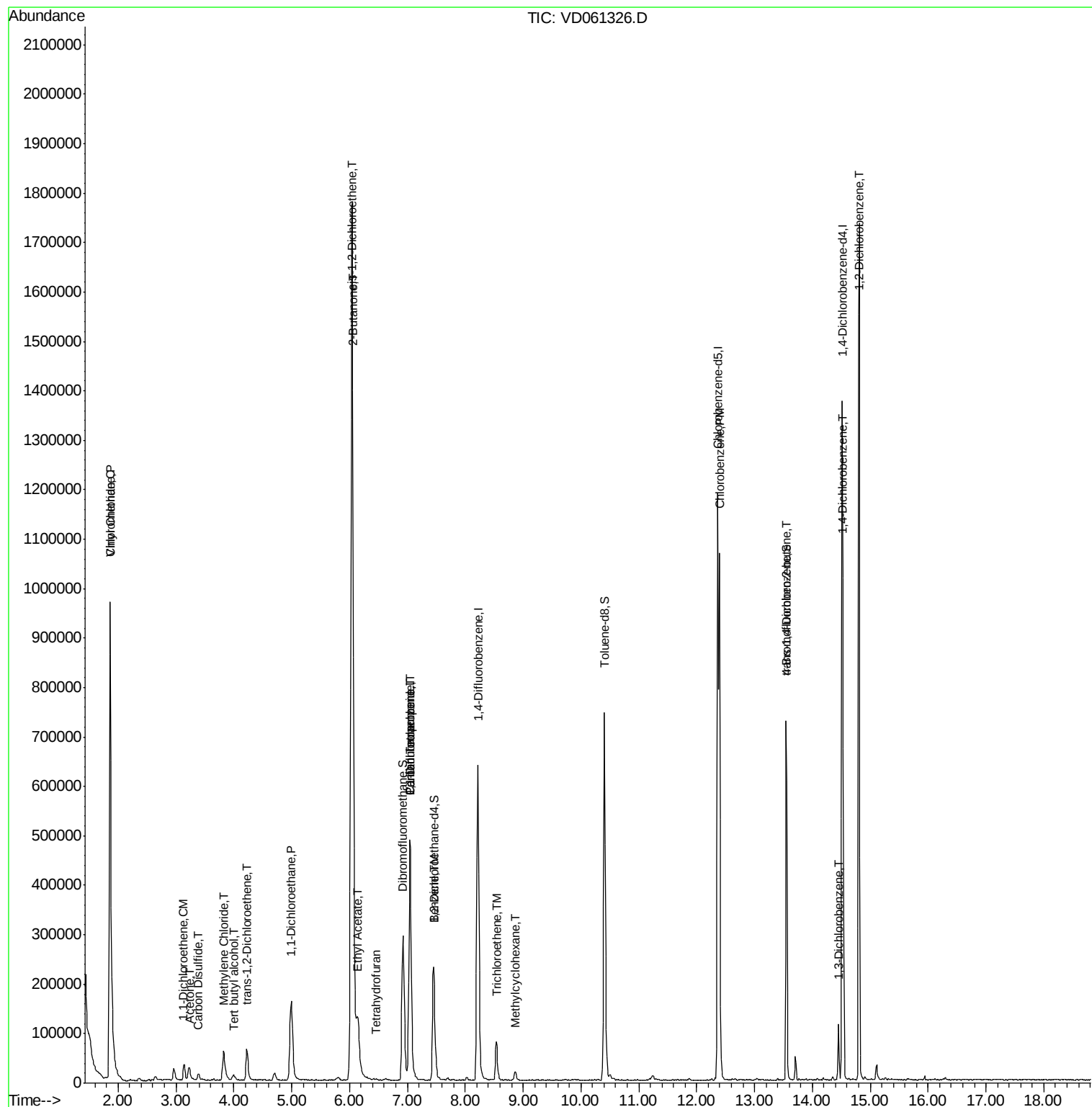
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.86	50	8327	1.990	ug/l #	41
4) Vinyl Chloride	1.86	62	1356924	346.867	ug/l	97
11) Tert butyl alcohol	4.00	59	11403	47.330	ug/l #	77
12) 1,1-Dichloroethene	3.13	96	18935	3.739	ug/l	95
16) Acetone	3.22	43	52895	48.861	ug/l	100
17) Carbon Disulfide	3.39	76	27460	1.633	ug/l #	95
20) Methylene Chloride	3.82	84	46379	7.548	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	38189	6.740	ug/l	90
24) 1,1-Dichloroethane	4.99	63	289586	32.836	ug/l	98
25) 2-Butanone	6.07	43	4535	3.622	ug/l #	1
27) cis-1,2-Dichloroethene	6.05	96	1458415	239.204	ug/l	90
29) Tetrahydrofuran	6.46	42	1103	1.770	ug/l #	31
36) 1,1-Dichloropropene	7.04	75	36741	5.292	ug/l #	45
37) Ethyl Acetate	6.15	43	4755	1.640	ug/l #	1
38) Carbon Tetrachloride	7.04	117	50315	6.341	ug/l #	14
39) Methylcyclohexane	8.86	83	10503	1.461	ug/l #	83
40) Benzene	7.45	78	22674	1.315	ug/l	98
44) Trichloroethene	8.54	130	38335	6.148	ug/l	91
65) Chlorobenzene	12.40	112	649104	45.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.55	75	83348	69.965	ug/l #	18
87) 1,3-Dichlorobenzene	14.45	146	46725	4.780	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	188407	19.898	ug/l	100
91) 1,2-Dichlorobenzene	14.81	146	691106	88.607	ug/l	99

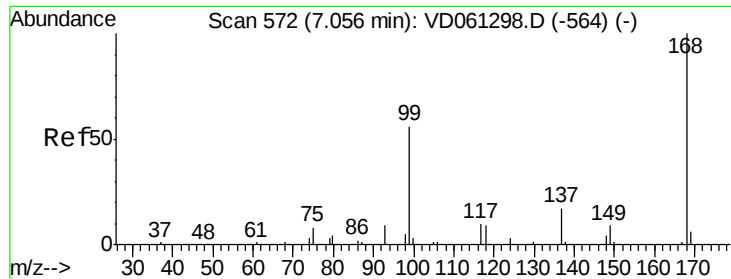
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 26 07:10:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

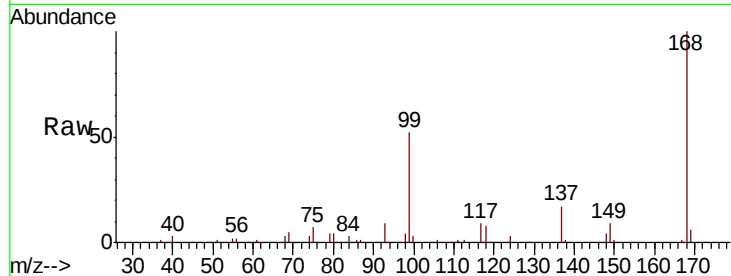
WP022SB440-190318-(19-21)

Tot Ion:168 Resp: 524574

Ion Ratio Lower Upper

168 100

99 52.3 45.8 68.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

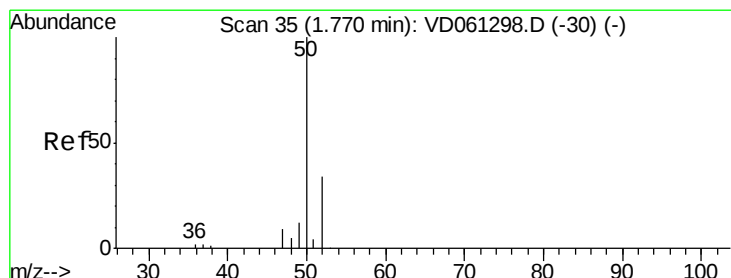
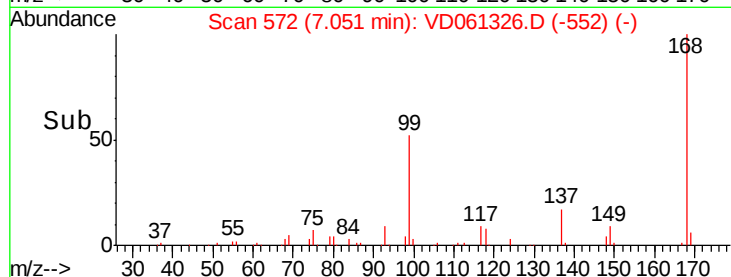
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.990 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.09 min

Lab File: VD061326.D

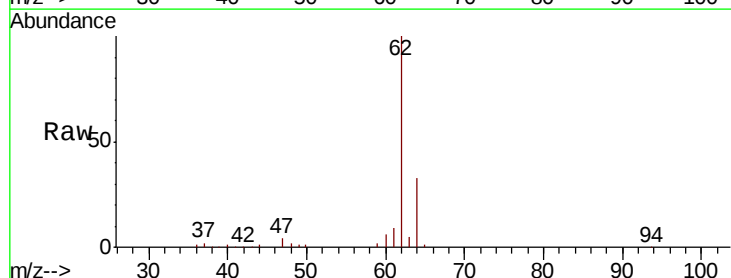
Acq: 26 Mar 2019 4:46

Tgt Ion: 50 Resp: 8327

Ion Ratio Lower Upper

50 100

52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.86

4000

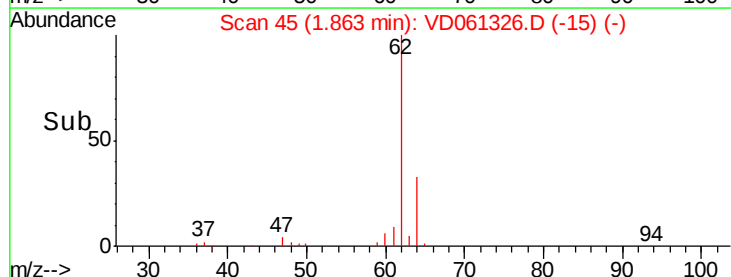
3000

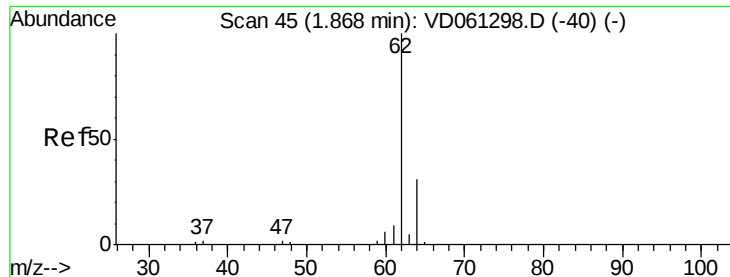
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 346.867 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

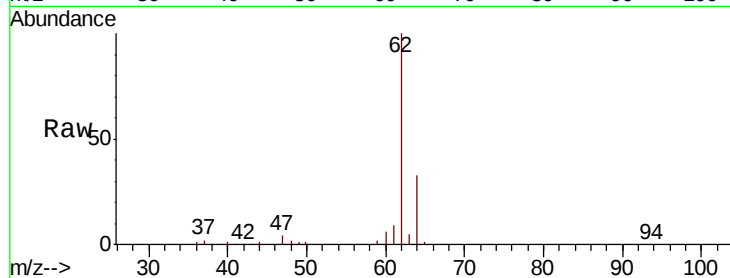
WP022SB440-190318-(19-21)

Tot Ion: 62 Resp: 1356924

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

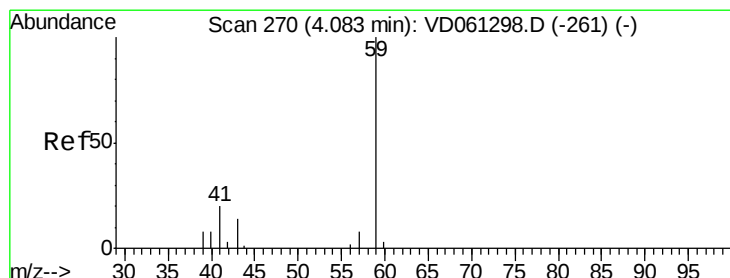
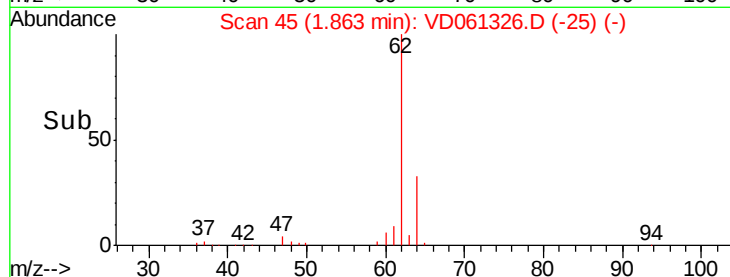
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 47.330 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.08 min

Lab File: VD061326.D

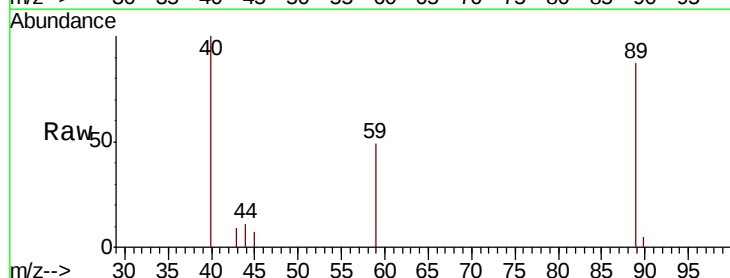
Acq: 26 Mar 2019 4:46

Tgt Ion: 59 Resp: 11403

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

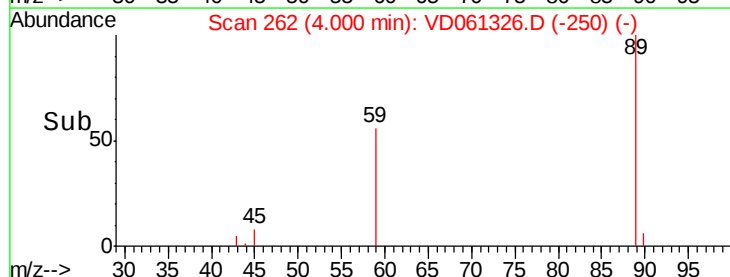
3000

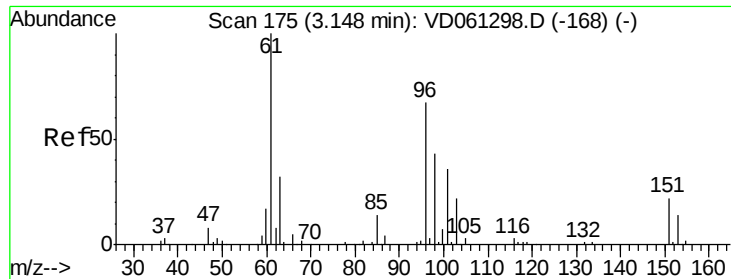
2000

1000

0

Time-->





#12

1,1-Dichloroethene

Concen: 3.739 ug/l

RT: 3.13 min Scan# 174

Delta R.T. -0.01 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

WP022SB440-190318-(19-21)

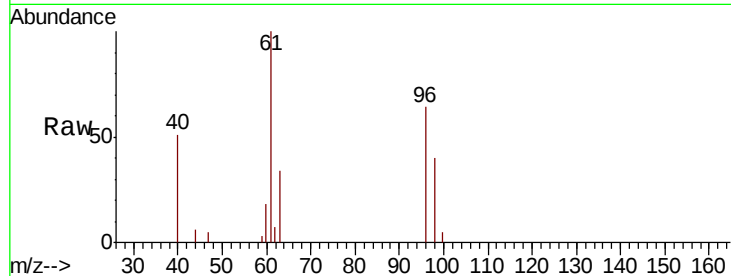
Tot Ion: 96 Resp: 18935

Ion Ratio Lower Upper

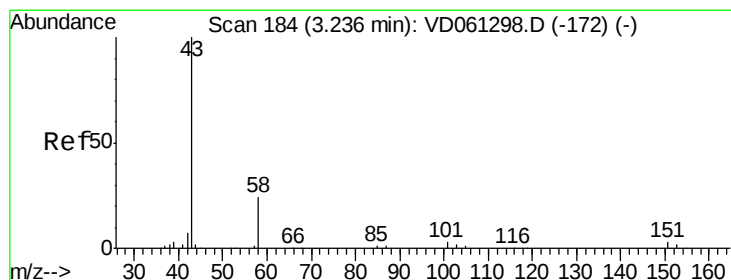
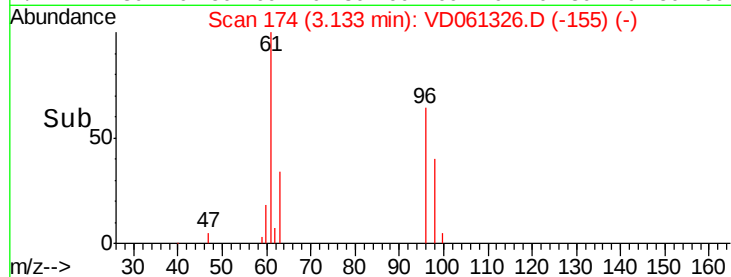
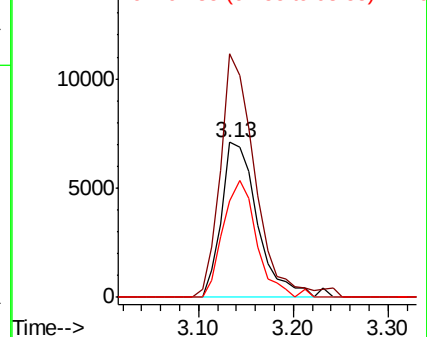
96 100

61 157.2 120.2 180.2

98 62.3 52.2 78.4



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



#16

Acetone

Concen: 48.861 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD061326.D

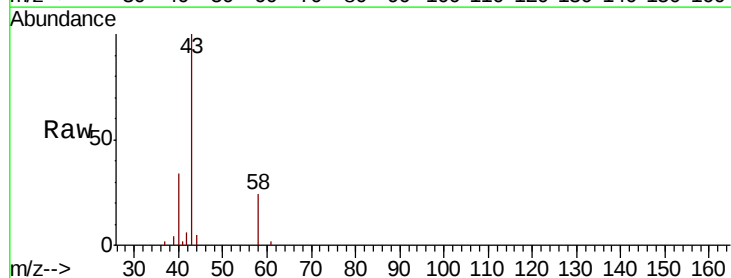
Acq: 26 Mar 2019 4:46

Tgt Ion: 43 Resp: 52895

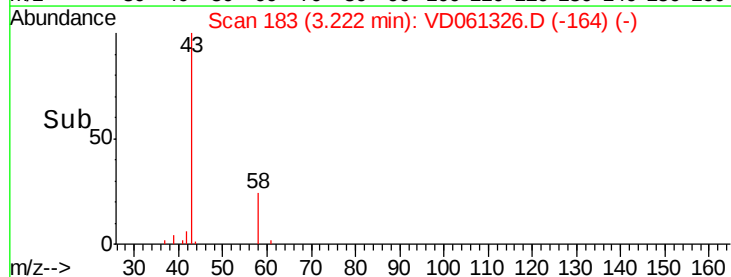
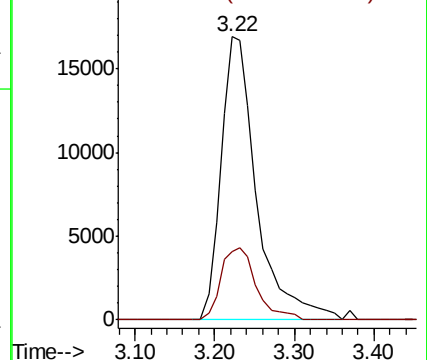
Ion Ratio Lower Upper

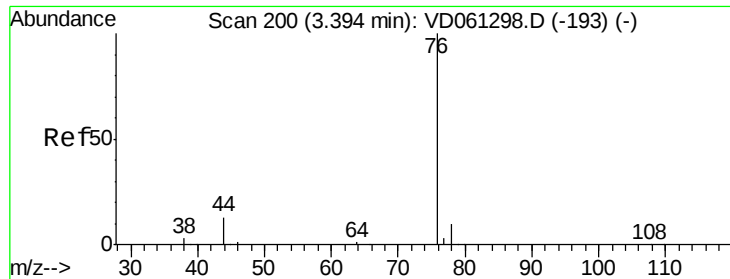
43 100

58 24.1 19.4 29.0



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





#17

Carbon Disulfide

Concen: 1.633 ug/l

RT: 3.39 min Scan# 200

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

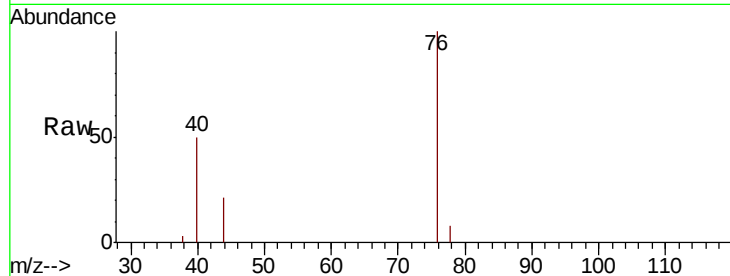
WP022SB440-190318-(19-21)

Tot Ion: 76 Resp: 27460

Ion Ratio Lower Upper

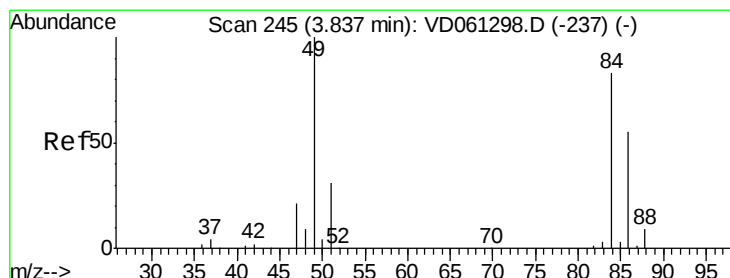
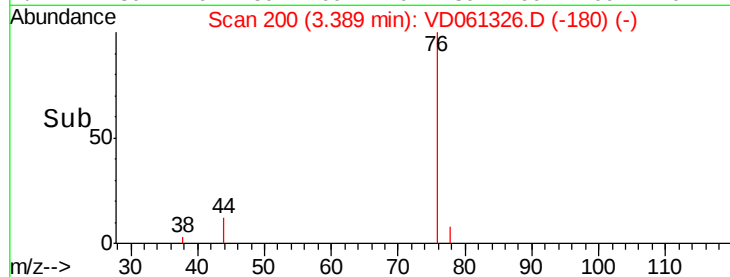
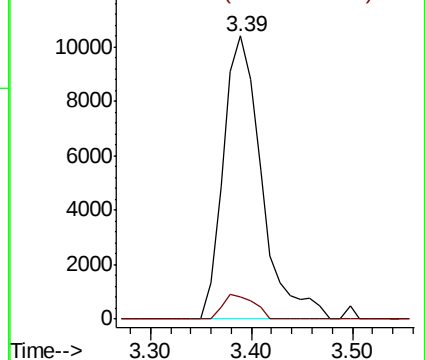
76 100

78 7.7 7.8 11.6#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 7.548 ug/l

RT: 3.82 min Scan# 244

Delta R.T. -0.01 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Tgt Ion: 84 Resp: 46379

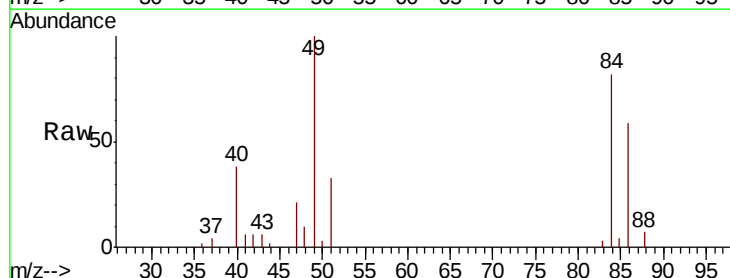
Ion Ratio Lower Upper

84 100

49 122.4 96.8 145.2

51 40.9 29.9 44.9

86 72.7 53.1 79.7

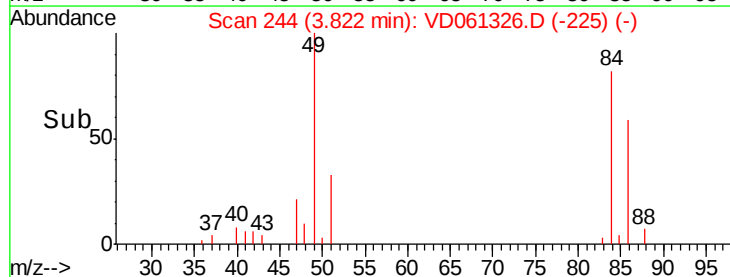
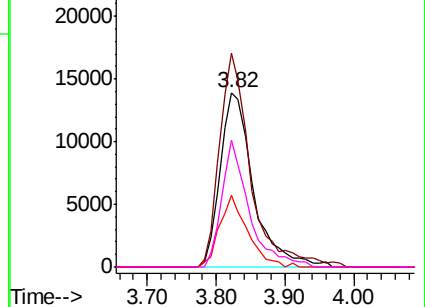


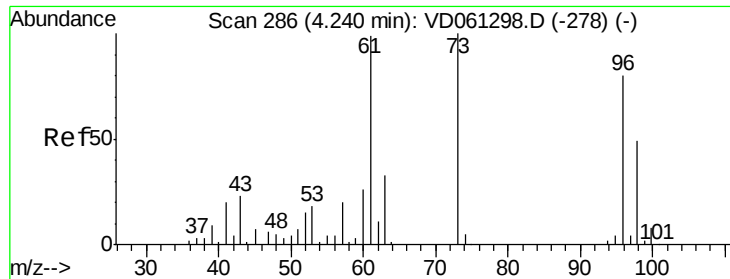
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 6.740 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

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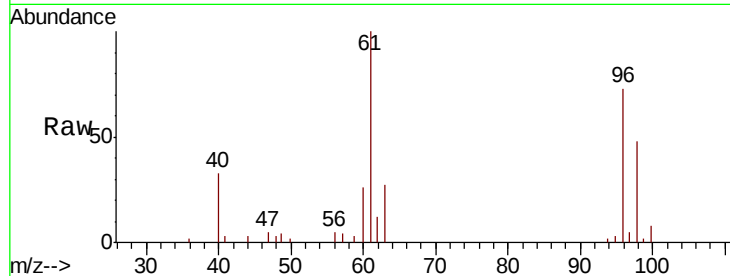
Tot Ion: 96 Resp: 38189

Ion Ratio Lower Upper

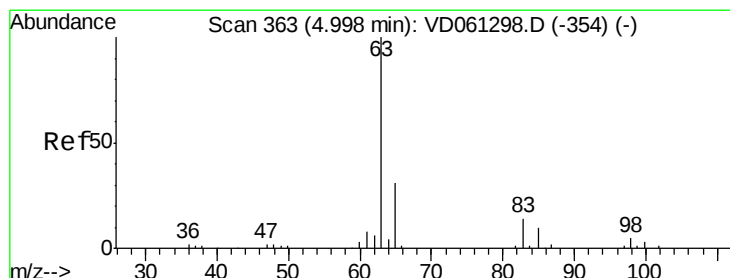
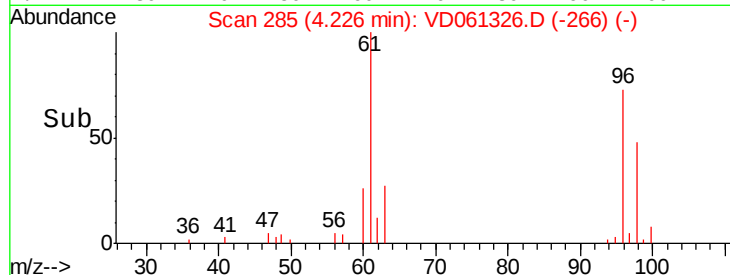
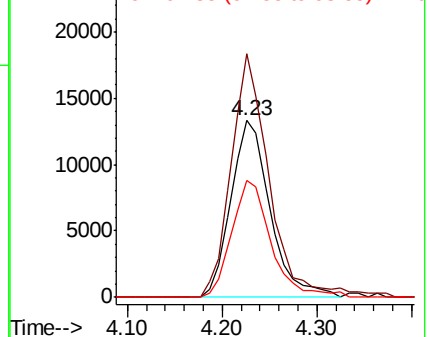
96 100

61 137.8 99.2 148.8

98 66.1 49.2 73.8



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



#24

1,1-Dichloroethane

Concen: 32.836 ug/l

RT: 4.99 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

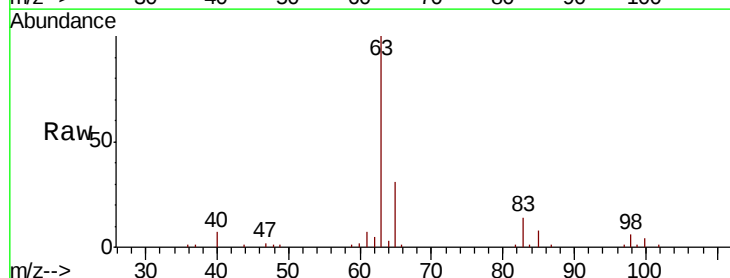
Tgt Ion: 63 Resp: 289586

Ion Ratio Lower Upper

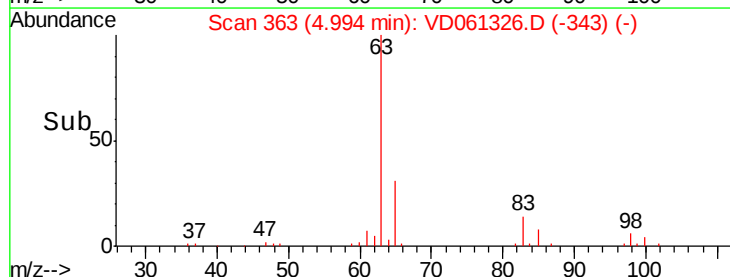
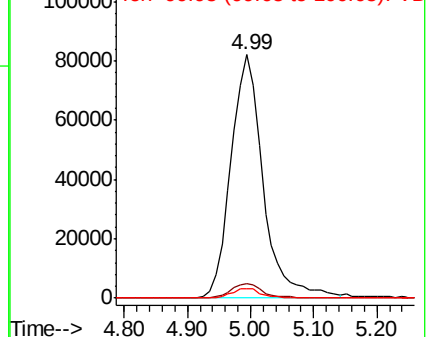
63 100

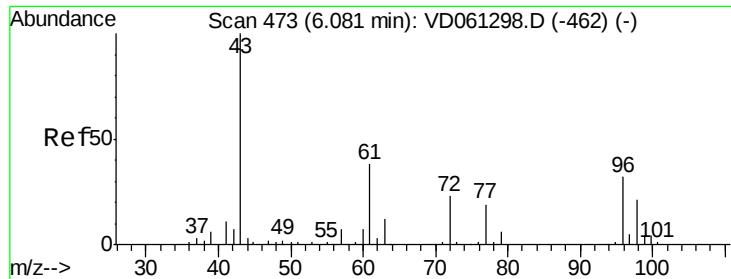
98 6.2 2.8 8.3

100 3.7 1.6 4.8



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

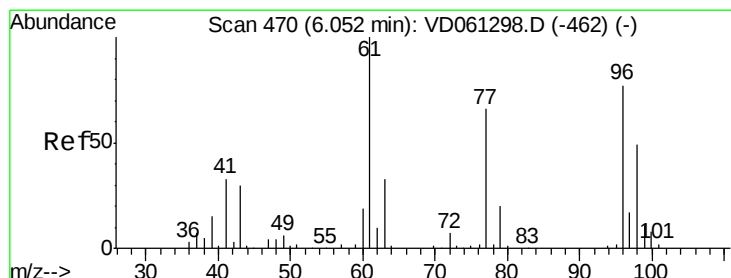
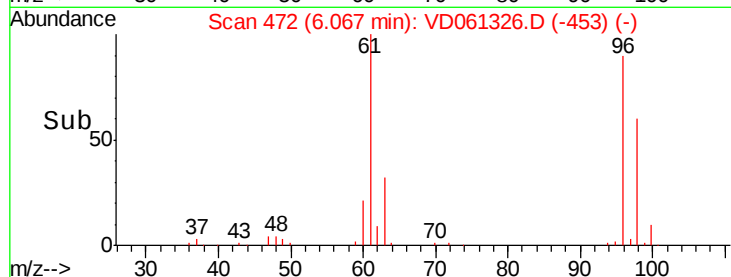
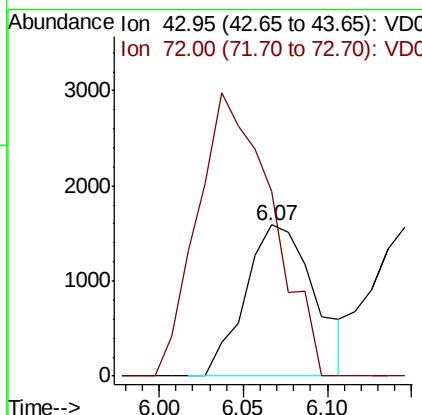
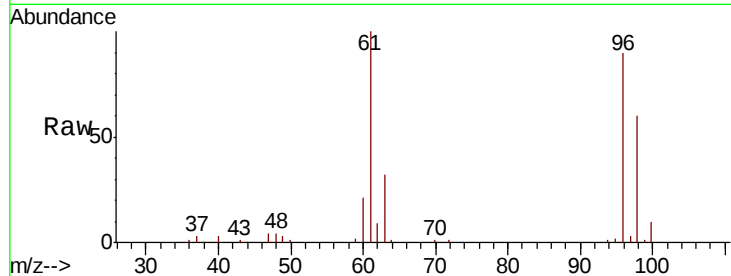




#25
2-Butanone
Concen: 3.622 ug/l
RT: 6.07 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

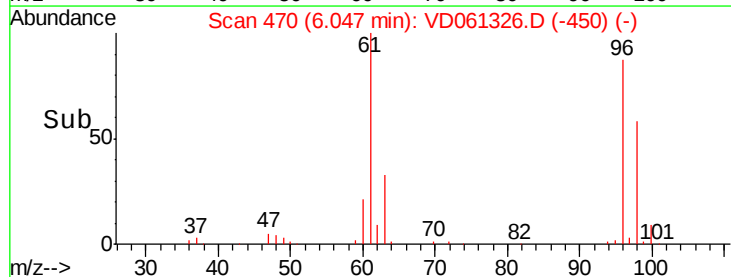
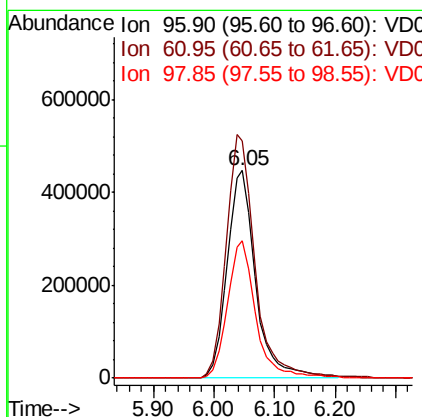
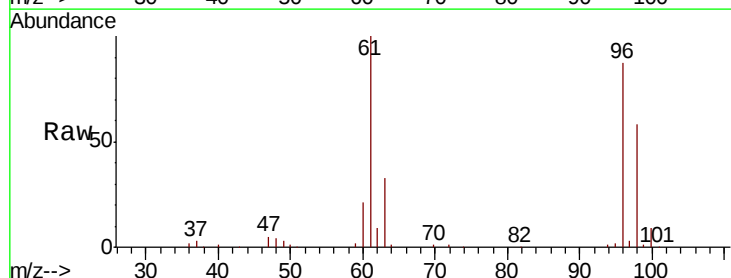
Instrument :
MSVOA_D
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WP022SB440-190318-(19-21)

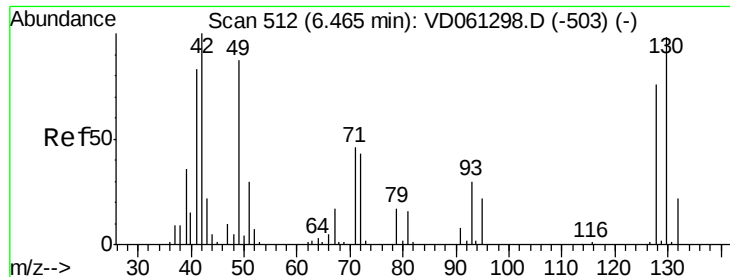
Tot Ion: 43 Resp: 4535
Ion Ratio Lower Upper
43 100
72 122.0 18.5 27.7#



#27
cis-1,2-Dichloroethene
Concen: 239.204 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

Tgt Ion: 96 Resp: 1458415
Ion Ratio Lower Upper
96 100
61 114.3 0.0 261.0
98 66.0 0.0 127.6

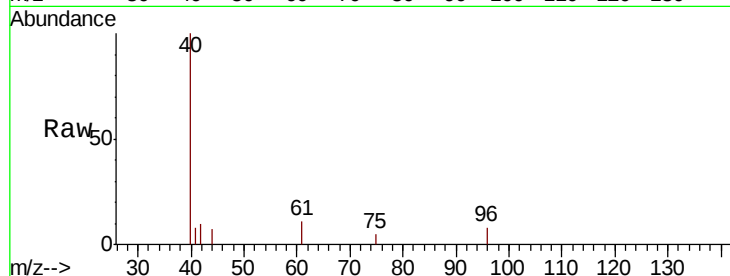




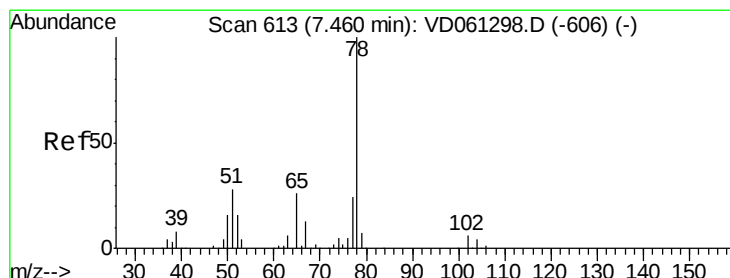
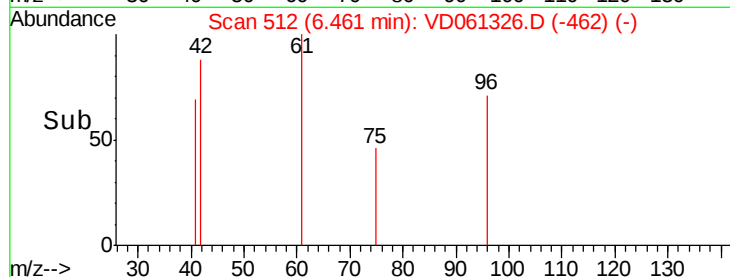
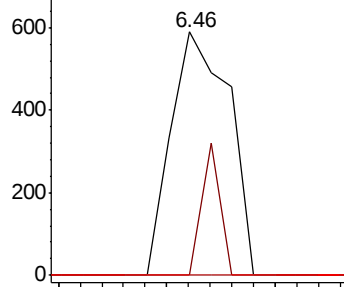
#29
Tetrahydrofuran
Concen: 1.770 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

Instrument :
MSVOA_D
ClientSampleId :
WP022SB440-190318-(19-21)

Tot Ion: 42 Resp: 1103
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 36.3 54.5#

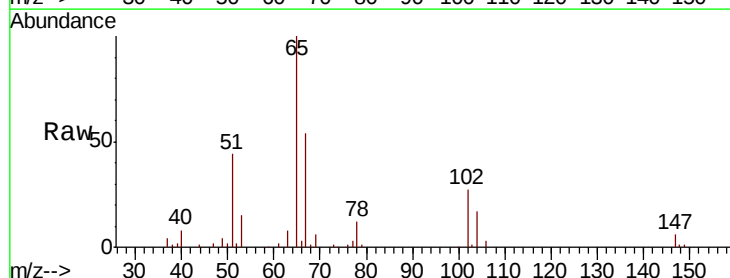


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

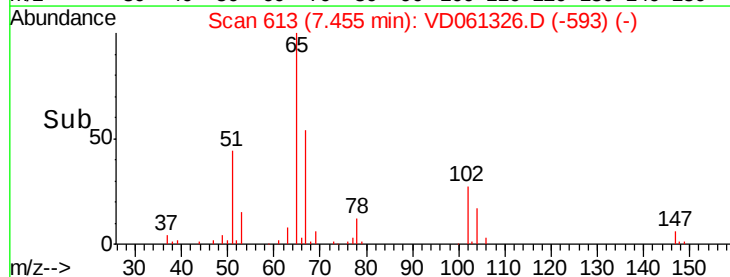
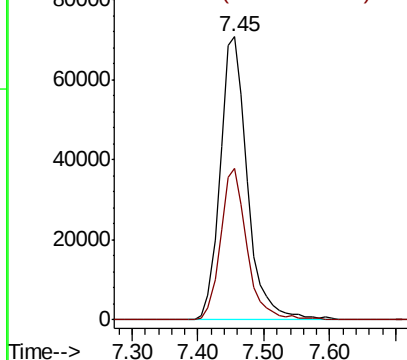


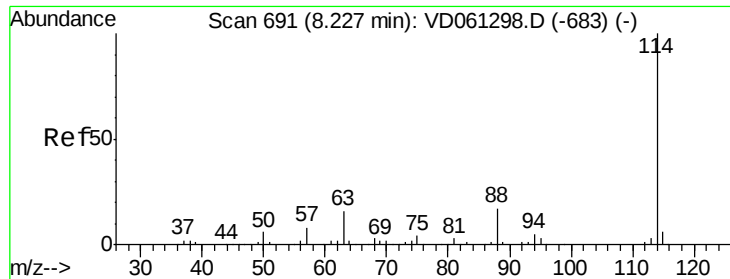
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 7.45 min Scan# 613
Delta R.T. -0.00 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

Tgt Ion: 65 Resp: 203281
Ion Ratio Lower Upper
65 100
67 53.6 0.0 100.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

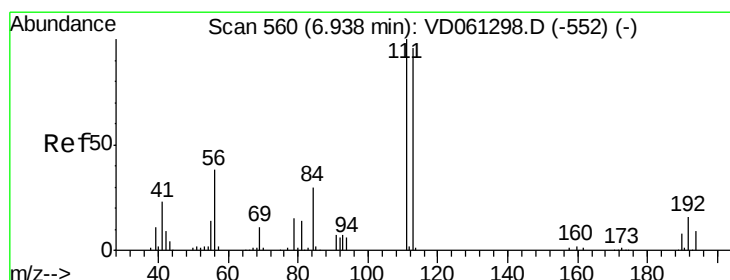
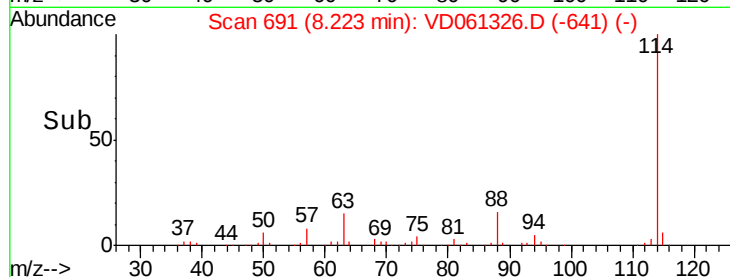
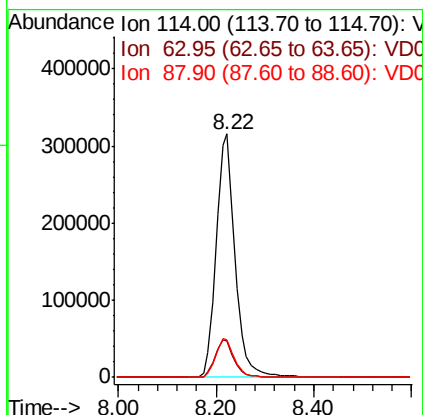
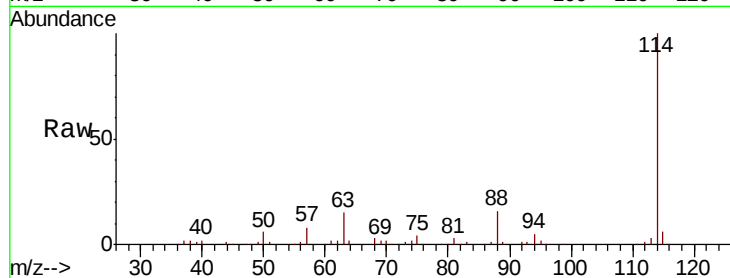




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD061326.D
 Acq: 26 Mar 2019 4:46

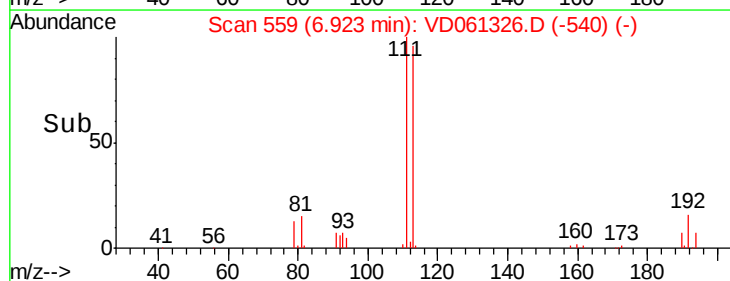
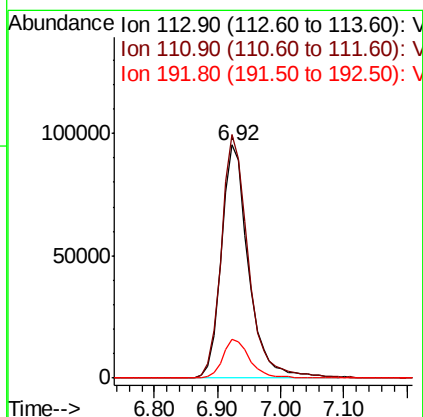
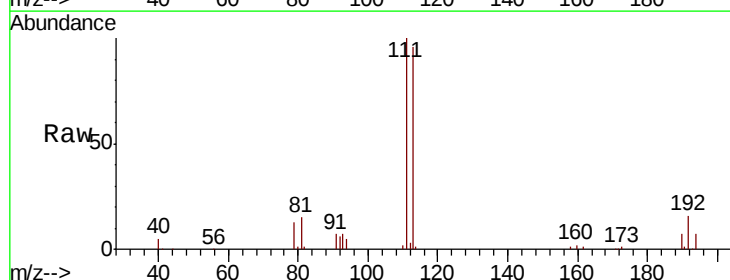
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB440-190318-(19-21)

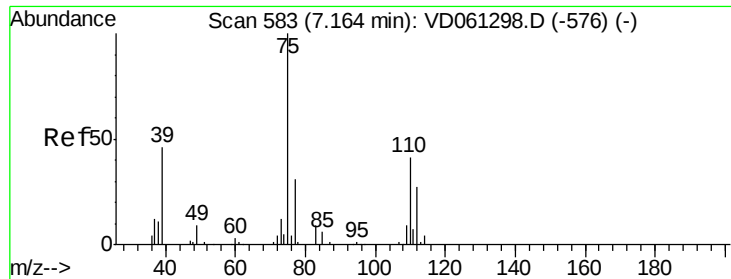
Tot Ion:114 Resp: 848550
 Ion Ratio Lower Upper
 114 100
 63 15.0 0.0 31.4
 88 15.5 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD061326.D
 Acq: 26 Mar 2019 4:46

Tgt Ion:113 Resp: 285172
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.7 125.5
 192 16.8 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.292 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

WP022SB440-190318-(19-21)

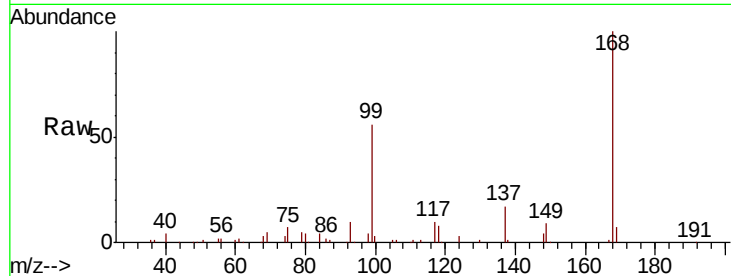
Tot Ion: 75 Resp: 36741

Ion Ratio Lower Upper

75 100

110 6.0 20.1 60.2#

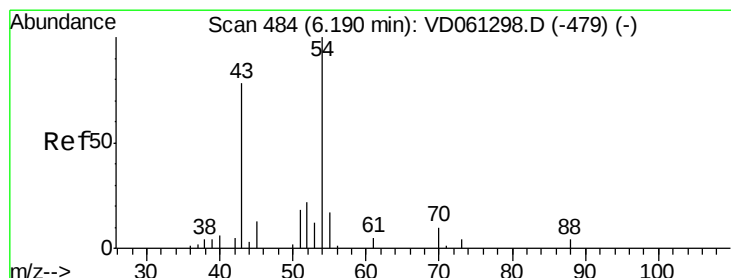
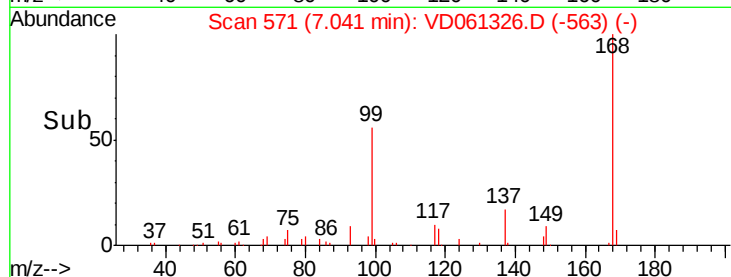
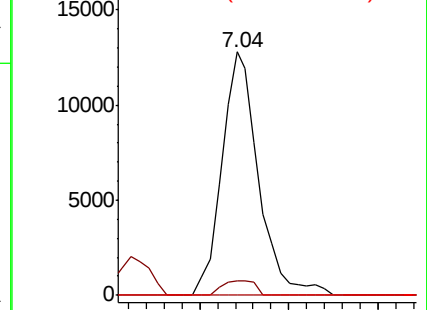
77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 1.640 ug/l

RT: 6.15 min Scan# 480

Delta R.T. -0.04 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

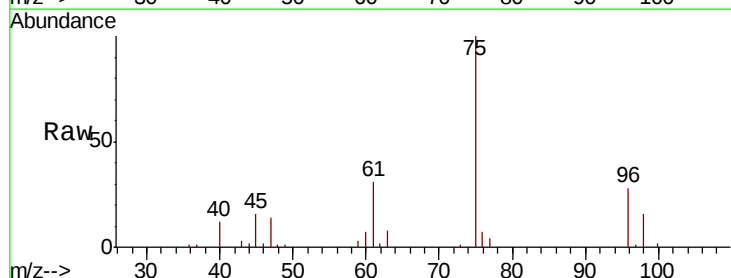
Tgt Ion: 43 Resp: 4755

Ion Ratio Lower Upper

43 100

61 983.3 12.6 19.0#

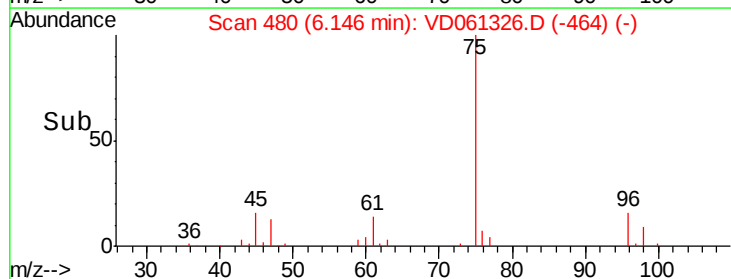
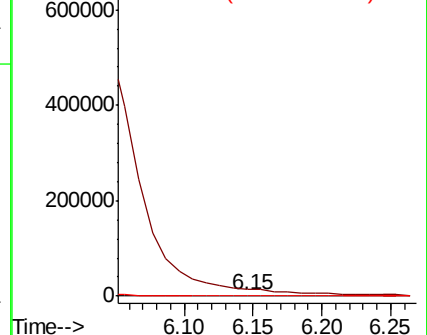
70 0.0 8.2 12.4#

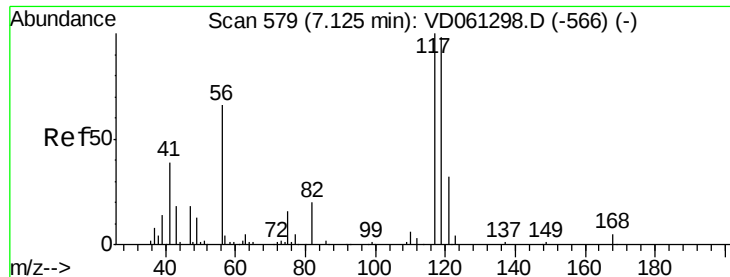


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

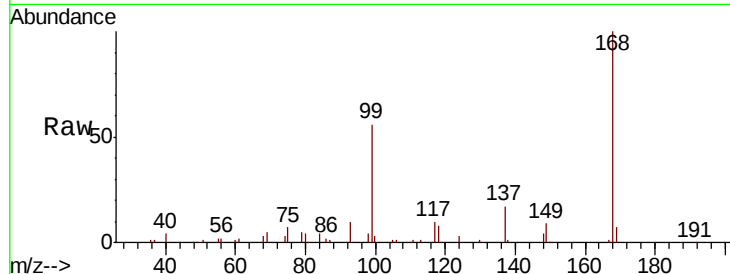




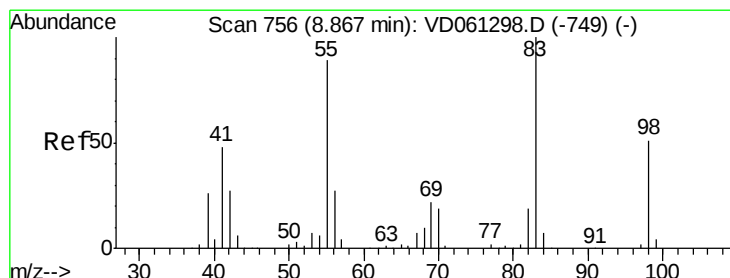
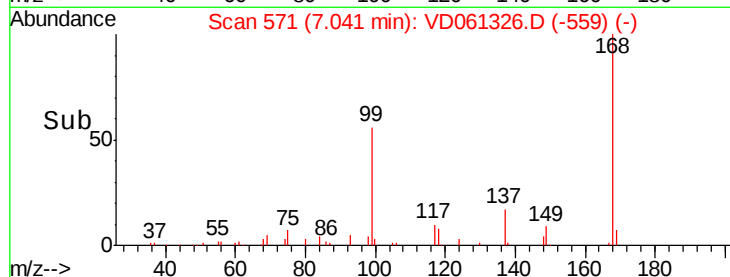
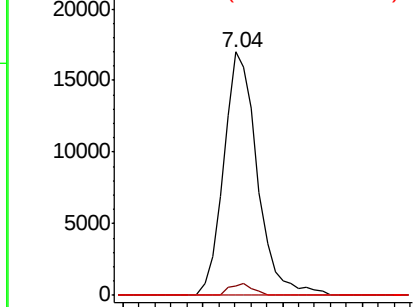
#38
Carbon Tetrachloride
Concen: 6.341 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.08 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

Instrument :
MSVOA_D
ClientSampleId :
WP022SB440-190318-(19-21)

Tot Ion:117 Resp: 50315
Ion Ratio Lower Upper
117 100
119 3.7 78.4 117.6#
121 0.0 25.1 37.7#

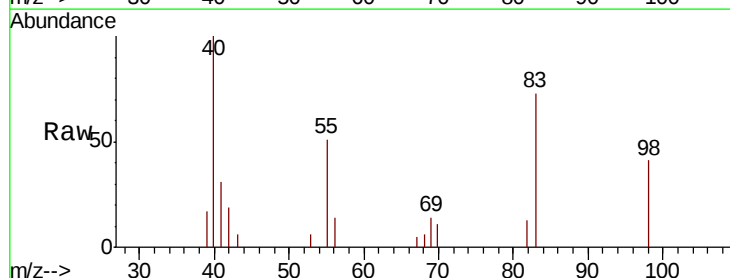


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

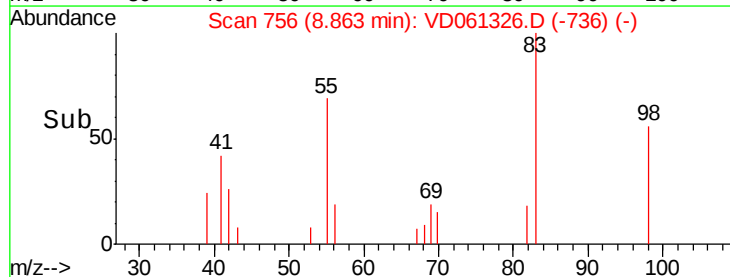
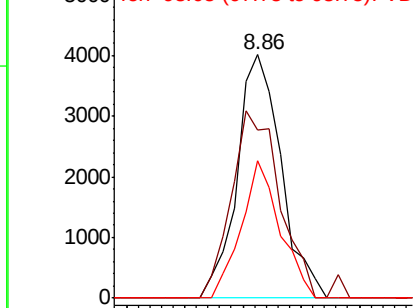


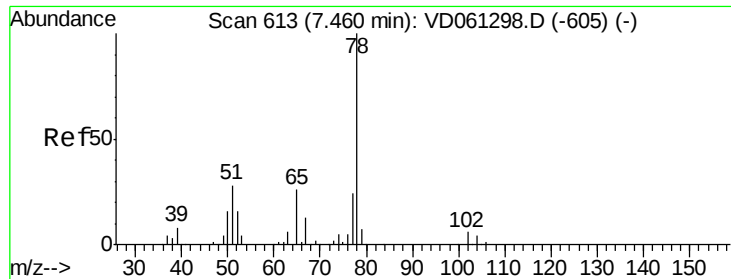
#39
Methylcyclohexane
Concen: 1.461 ug/l
RT: 8.86 min Scan# 756
Delta R.T. -0.00 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

Tgt Ion: 83 Resp: 10503
Ion Ratio Lower Upper
83 100
55 69.3 71.3 106.9#
98 56.3 40.4 60.6



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: 1.315 ug/l

RT: 7.45 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

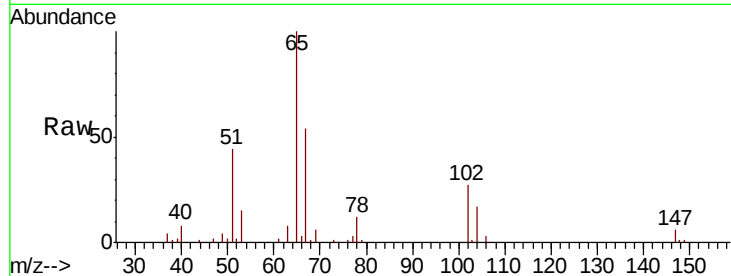
WP022SB440-190318-(19-21)

Tot Ion: 78 Resp: 22674

Ion Ratio Lower Upper

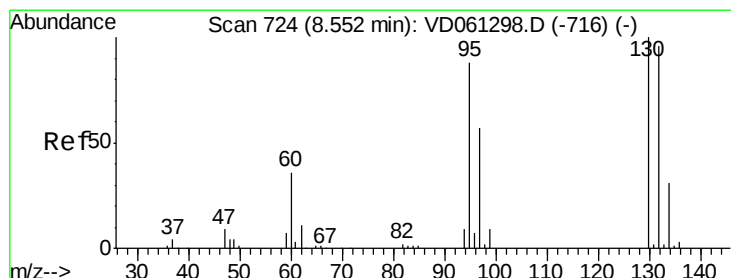
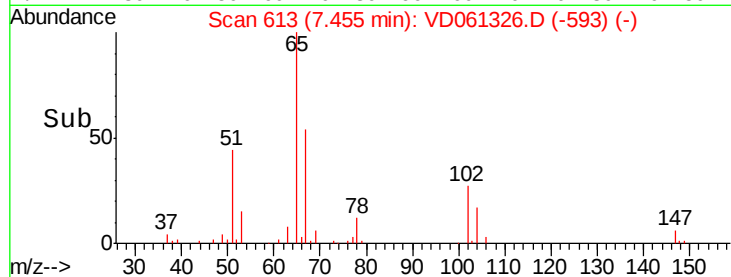
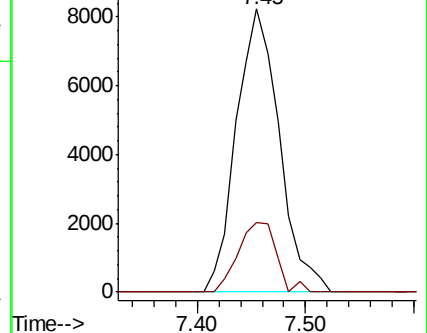
78 100

77 24.6 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#44

Trichloroethene

Concen: 6.148 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD061326.D

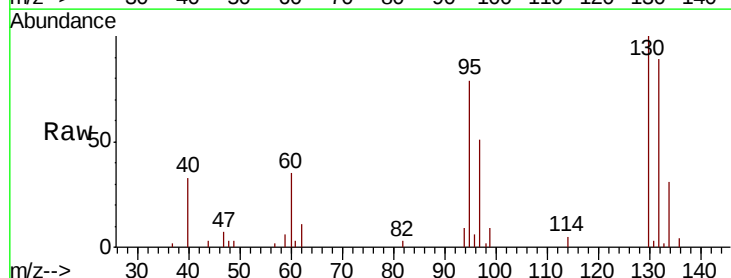
Acq: 26 Mar 2019 4:46

Tgt Ion:130 Resp: 38335

Ion Ratio Lower Upper

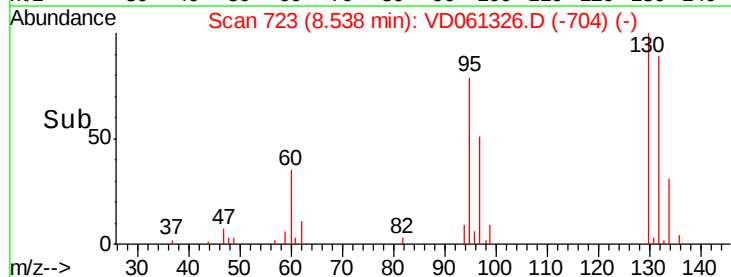
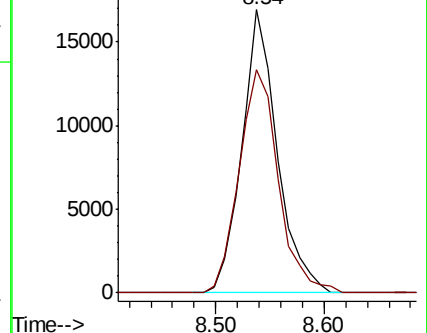
130 100

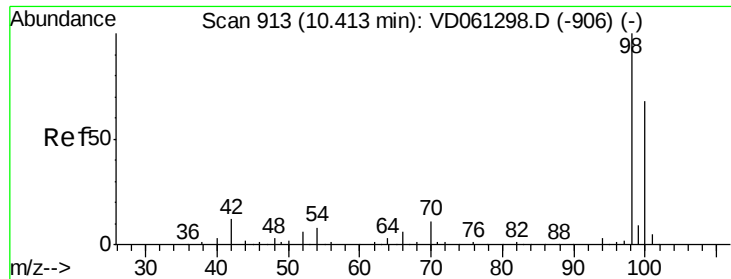
95 78.8 0.0 175.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

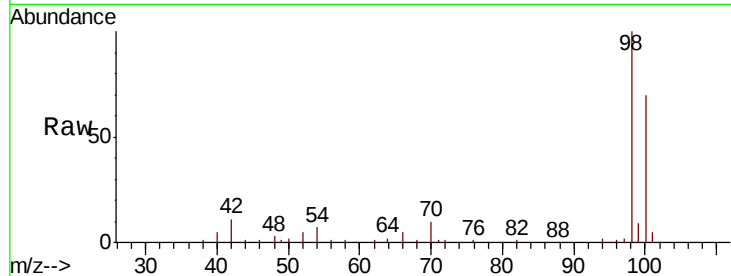
WP022SB440-190318-(19-21)

Tot Ion: 98 Resp: 647477

Ion Ratio Lower Upper

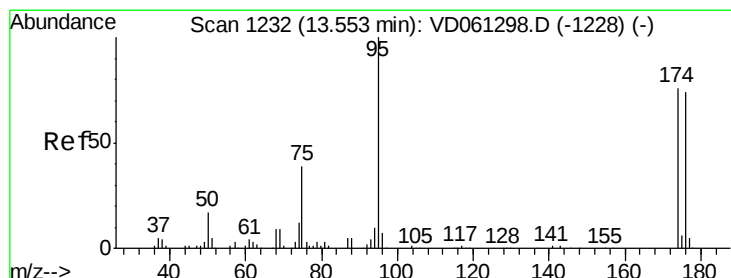
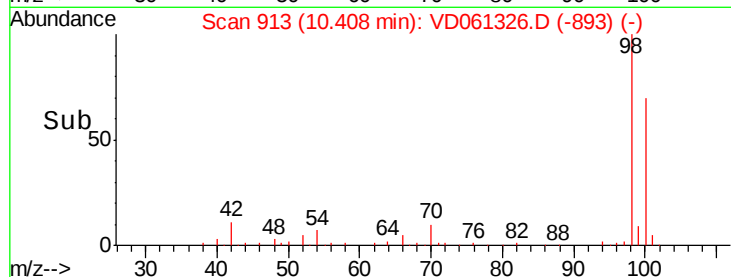
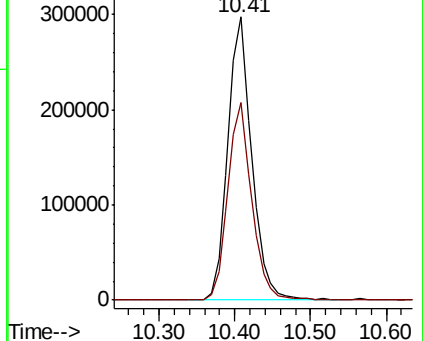
98 100

100 69.8 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

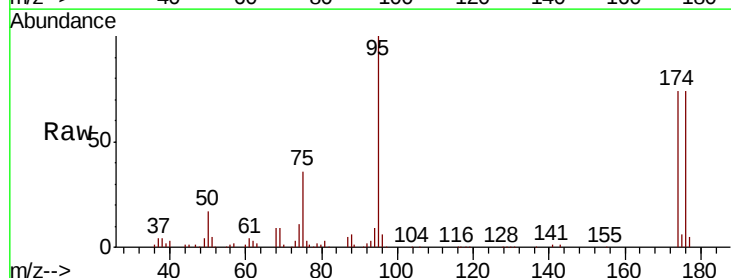
Tgt Ion: 95 Resp: 238515

Ion Ratio Lower Upper

95 100

174 74.1 0.0 151.8

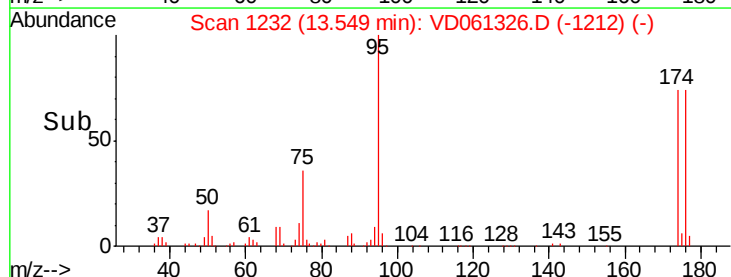
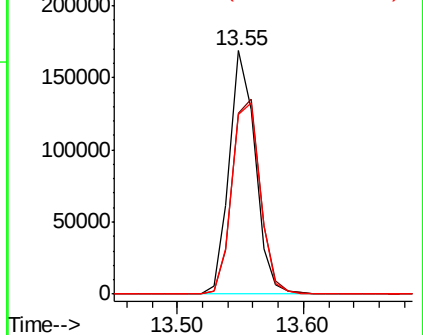
176 73.5 0.0 148.0

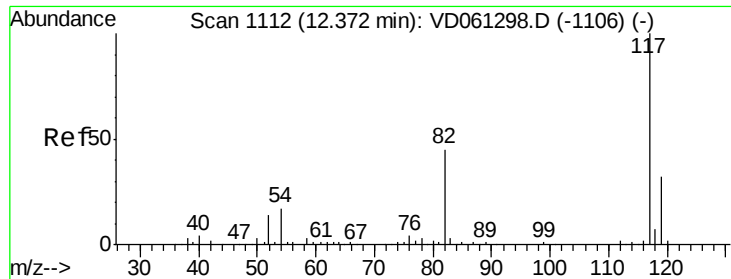


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

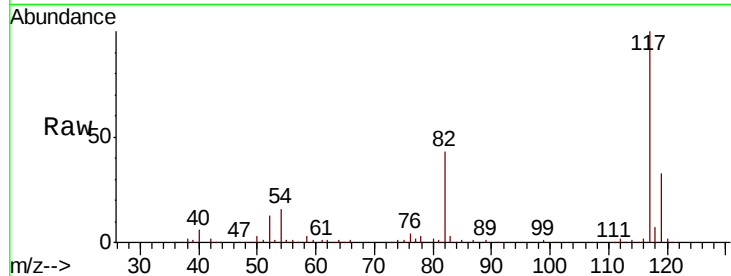




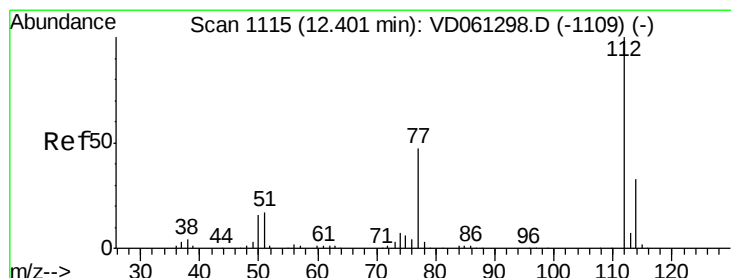
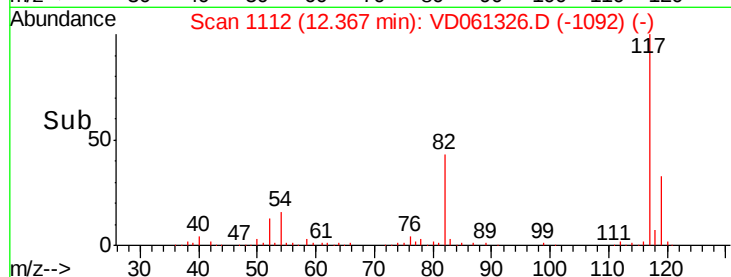
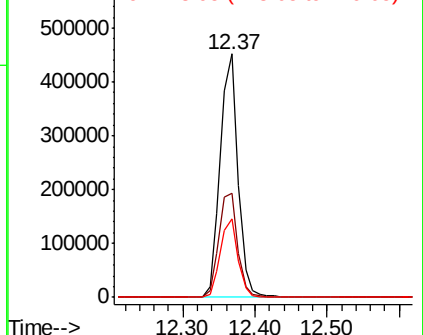
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

Instrument :
MSVOA_D
ClientSampleId :
WP022SB440-190318-(19-21)

Tot Ion:117 Resp: 767434
Ion Ratio Lower Upper
117 100
82 42.8 35.7 53.5
119 32.5 25.9 38.9

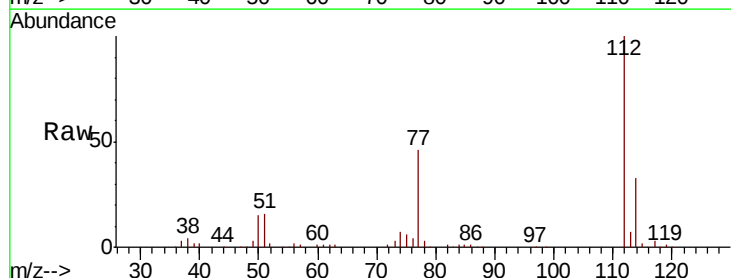


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

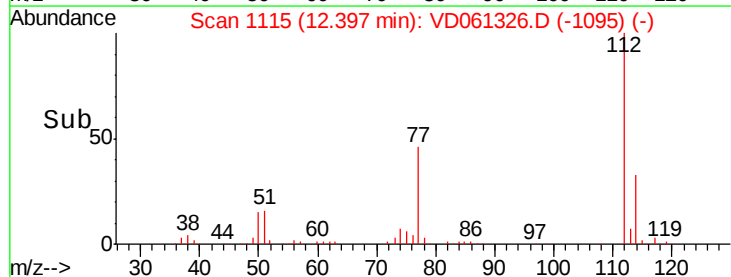
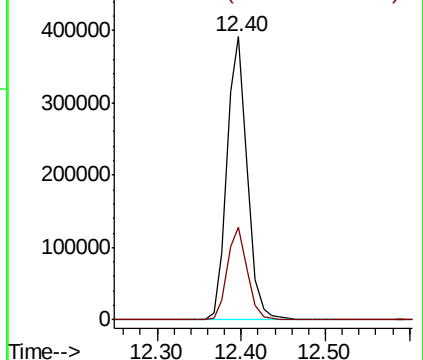


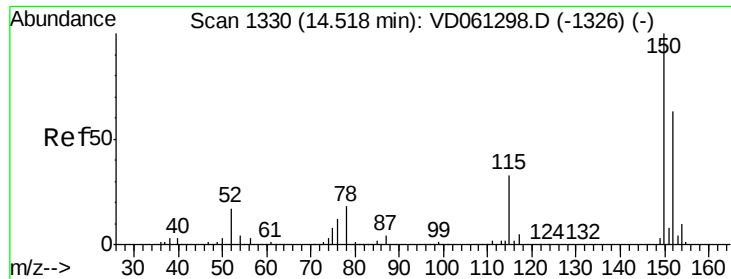
#65
Chlorobenzene
Concen: 45.920 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061326.D
Acq: 26 Mar 2019 4:46

Tgt Ion:112 Resp: 649104
Ion Ratio Lower Upper
112 100
114 32.7 26.5 39.7



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

Instrument :

MSVOA_D

ClientSampleId :

WP022SB440-190318-(19-21)

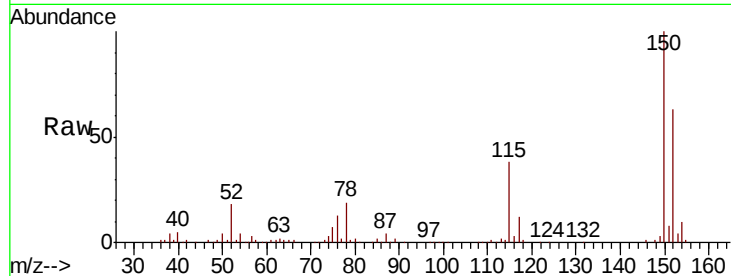
Tot Ion:152 Resp: 303533

Ion Ratio Lower Upper

152 100

115 59.8 29.2 87.6

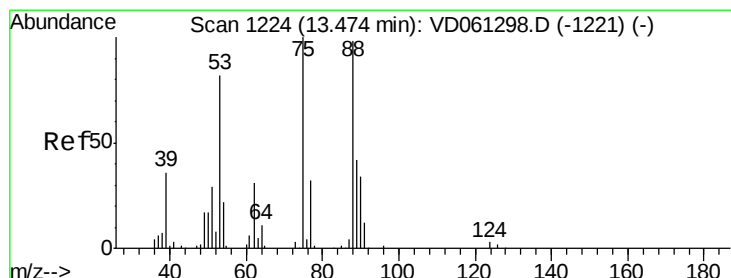
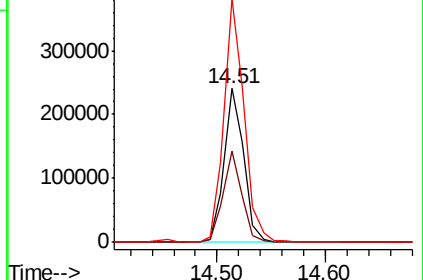
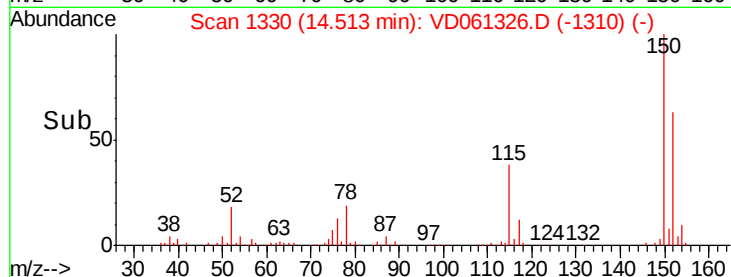
150 158.7 0.0 319.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 69.965 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD061326.D

Acq: 26 Mar 2019 4:46

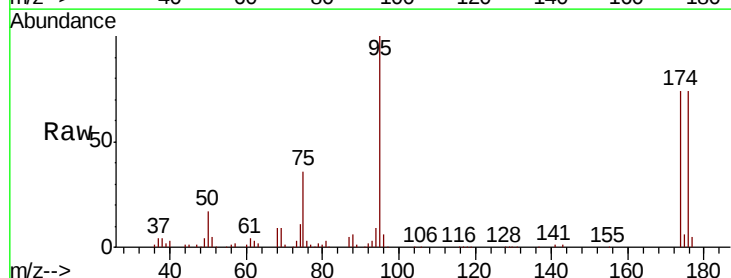
Tgt Ion: 75 Resp: 83348

Ion Ratio Lower Upper

75 100

53 0.0 65.3 97.9#

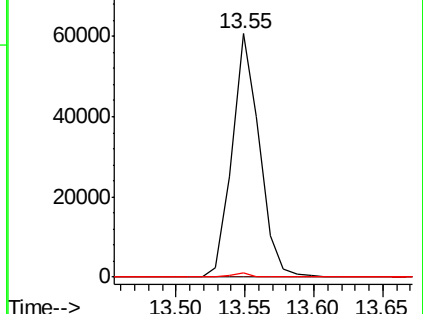
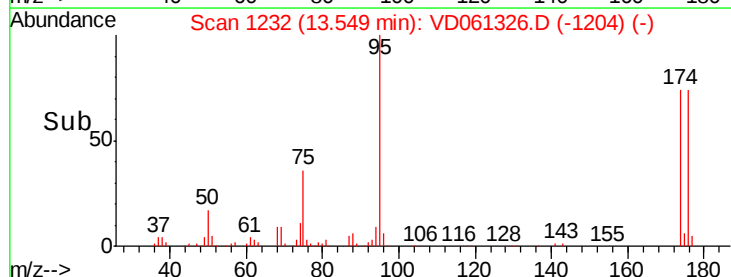
89 1.5 33.8 50.6#

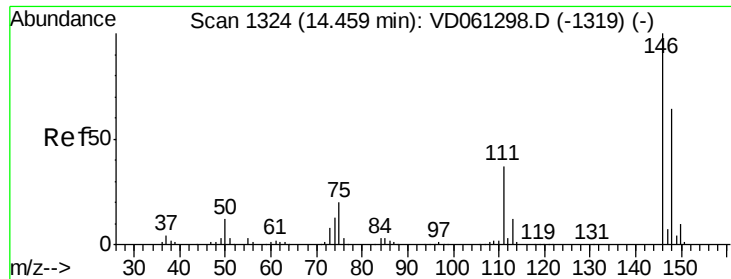


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

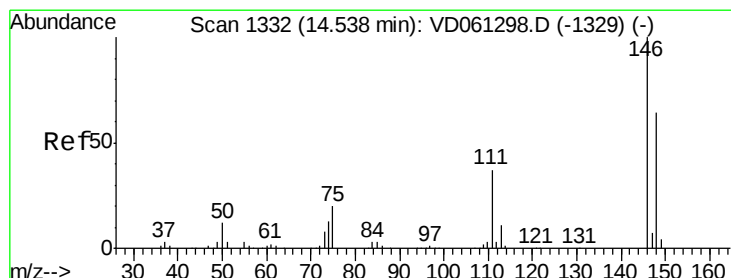
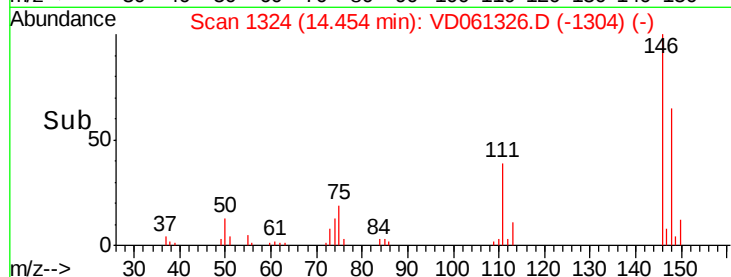
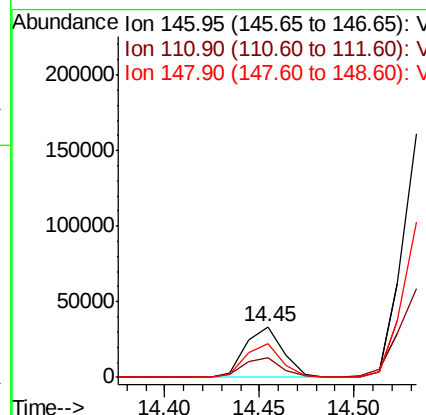
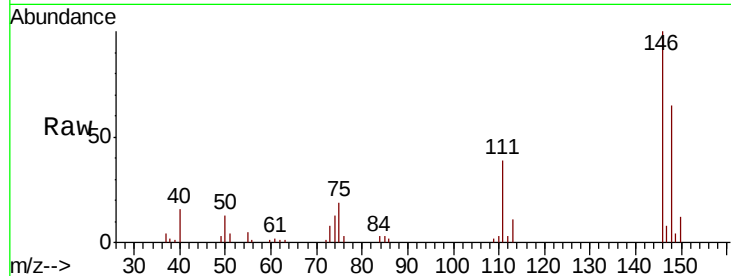




#87
 1,3-Dichlorobenzene
 Concen: 4.780 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061326.D
 Acq: 26 Mar 2019 4:46

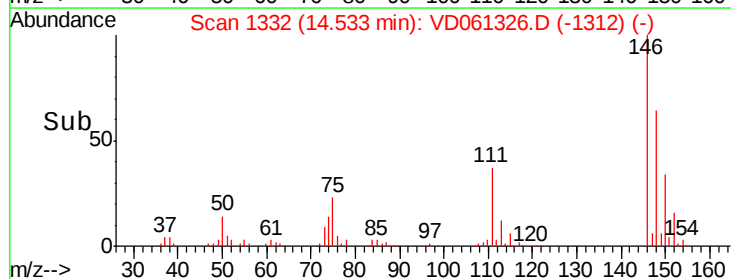
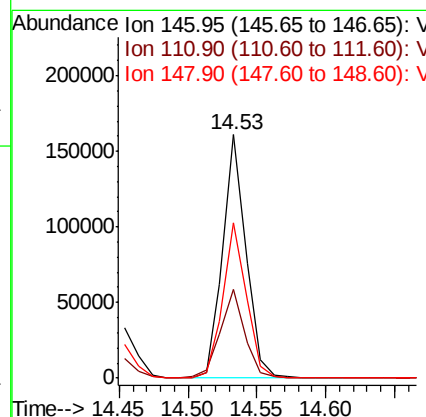
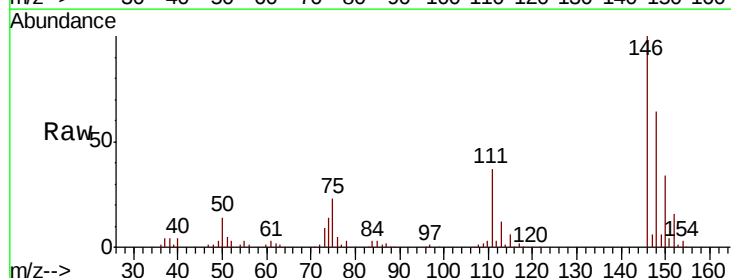
Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB440-190318-(19-21)

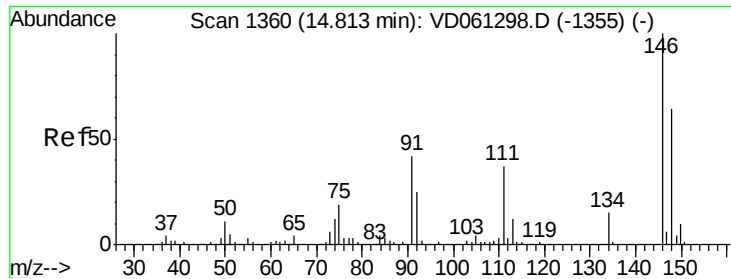
Tot Ion:146 Resp: 46725
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.4 55.0
 148 65.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.898 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061326.D
 Acq: 26 Mar 2019 4:46

Tgt Ion:146 Resp: 188407
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.6 55.6
 148 63.9 31.9 95.5

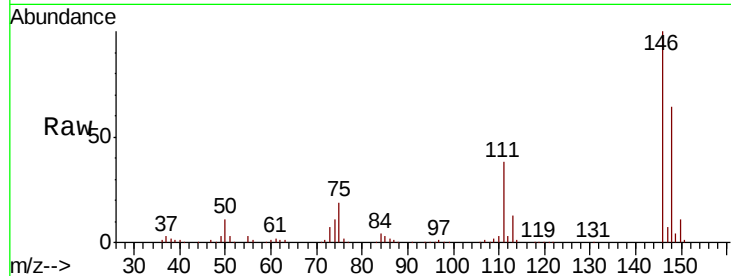




#91
 1,2-Dichlorobenzene
 Concen: 88.607 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061326.D
 Acq: 26 Mar 2019 4:46

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB440-190318-(19-21)

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.3	54.8
148	63.9	31.9	95.7



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

