

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066298.D
 Acq On : 19 Aug 2020 02:41
 Operator : VA/SY
 Sample : L3678-01
 Misc : 9.58G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Quant Time: Aug 19 06:46:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	18138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	28238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	25218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	12264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	14682	90.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.46%	
35) Dibromofluoromethane	7.91	113	11156	62.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.72%	
50) Toluene-d8	10.34	98	24781	37.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.08%	
62) 4-Bromofluorobenzene	12.63	95	10355	43.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	87.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	173	1.083	ug/l #	1
3) Chloromethane	2.21	50	219	1.762	ug/l #	40
4) Vinyl Chloride	2.35	62	357	3.244	ug/l #	42
5) Bromomethane	2.77	94	144	1.972	ug/l	87
7) Trichlorofluoromethane	3.27	101	796	2.774	ug/l #	81
8) Diethyl Ether	3.70	74	135	1.668	ug/l	64
10) Methyl Iodide	4.33	142	638	10.274	ug/l #	39
11) Tert butyl alcohol	5.22	59	84	Below Cal	#	76
16) Acetone	4.17	43	501	16.317	ug/l #	75
17) Carbon Disulfide	4.40	76	923	1.807	ug/l #	74
18) Methyl Acetate	4.75	43	84	1.077	ug/l #	48
20) Methylene Chloride	4.95	84	1560	4.613	ug/l #	80
21) trans-1,2-Dichloroethene	5.47	96	198	1.073	ug/l #	1
24) 1,1-Dichloroethane	6.26	63	433	1.454	ug/l #	82
25) 2-Butanone	7.21	43	223	4.938	ug/l #	47
27) cis-1,2-Dichloroethene	7.21	96	197	1.018	ug/l	80
29) Tetrahydrofuran	7.57	42	74	2.645	ug/l #	33
31) Cyclohexane	7.98	56	1256	4.430	ug/l #	66
36) 1,1-Dichloropropene	8.11	75	306	1.153	ug/l #	75
38) Carbon Tetrachloride	8.10	117	474	1.602	ug/l #	49
39) Methylcyclohexane	9.34	83	801	2.497	ug/l #	47
51) 4-Methyl-2-Pentanone	10.23	43	145	1.363	ug/l #	36
52) Toluene	10.40	92	666	1.375	ug/l #	75
58) 2-Chloroethyl Vinyl ether	9.93	63	355	4.601	ug/l #	43
59) 2-Hexanone	10.99	43	228	3.053	ug/l #	24
60) Dibromochloromethane	10.87	129	259	1.314	ug/l #	11
64) Tetrachloroethene	10.87	164	283	1.461	ug/l #	79
65) Chlorobenzene	11.67	112	599	1.170	ug/l #	85
67) Ethyl Benzene	11.74	91	1368	1.542	ug/l	98
70) Styrene	12.20	104	621	1.133	ug/l #	44
73) Isopropylbenzene	12.47	105	1414	1.727	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	5302	51.842	ug/l #	100
78) n-propylbenzene	12.82	91	1756	1.845	ug/l	93
79) 2-Chlorotoluene	12.91	91	832	1.529	ug/l	83

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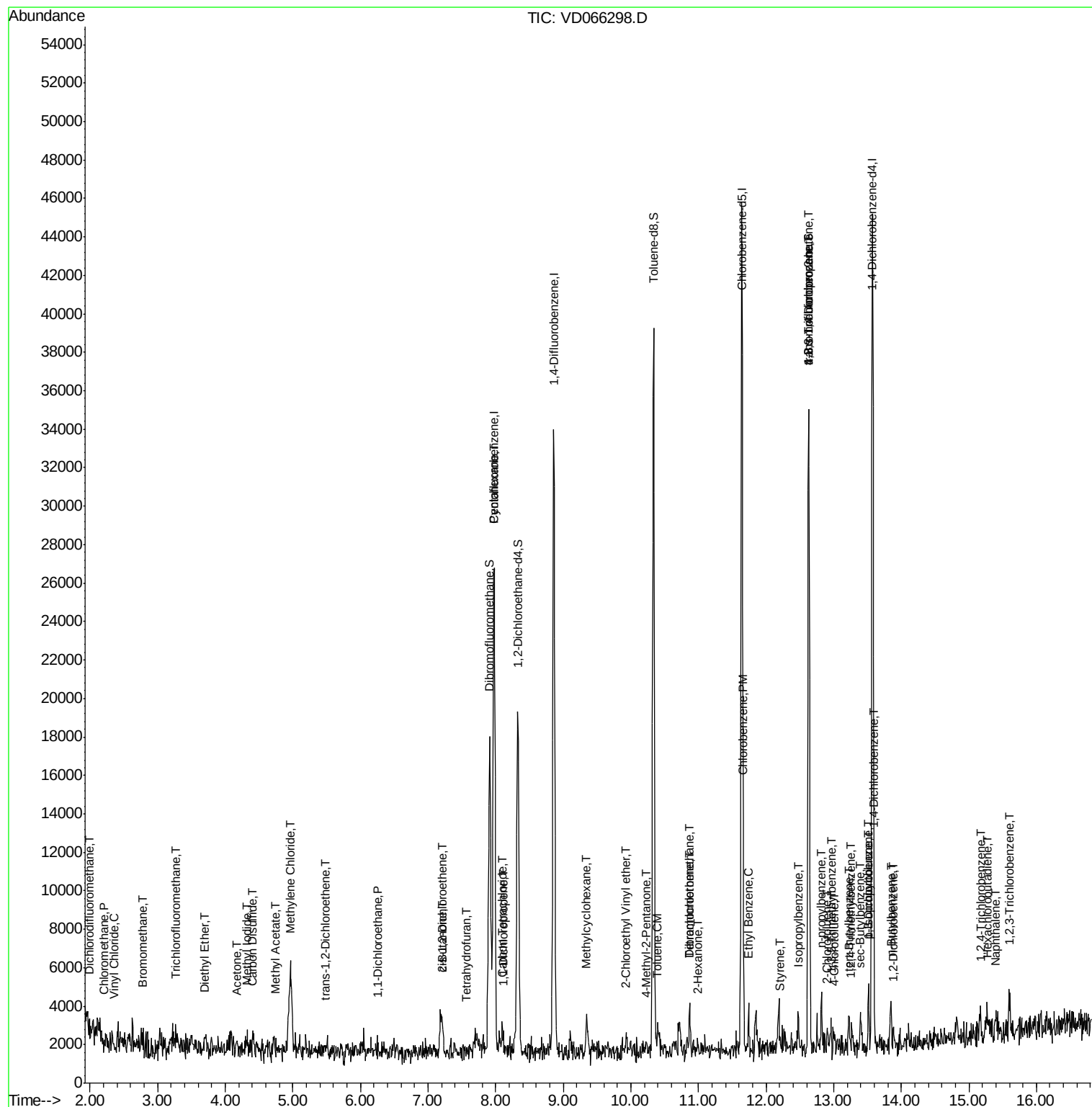
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.96	105	918	1.341	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.63	75	5302	114.599	ug/l #	13
82) 4-Chlorotoluene	13.01	91	763	1.328	ug/l	90
83) tert-Butylbenzene	13.22	119	1128	1.873	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.27	105	797	1.163	ug/l	66
85) sec-Butylbenzene	13.40	105	1327	1.632	ug/l #	69
86) p-Isopropyltoluene	13.51	119	1036	1.359	ug/l #	73
87) 1,3-Dichlorobenzene	13.51	146	843	2.128	ug/l	91
88) 1,4-Dichlorobenzene	13.60	146	751	1.901	ug/l	98
89) n-Butylbenzene	13.85	91	1305	1.910	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	582	1.662	ug/l #	64
93) 1,2,4-Trichlorobenzene	15.17	180	892	3.456	ug/l #	78
94) Hexachlorobutadiene	15.27	225	507	3.335	ug/l #	66
95) Naphthalene	15.40	128	1313	3.122	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.60	180	661	2.901	ug/l #	75

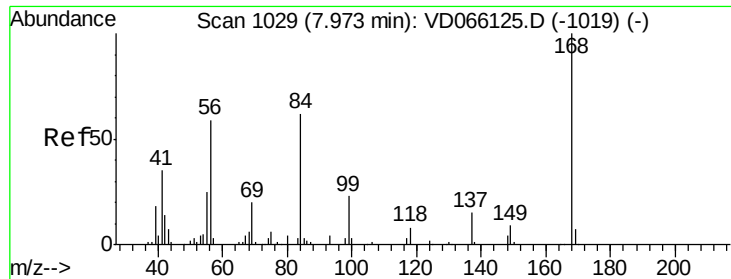
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081820\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampled :

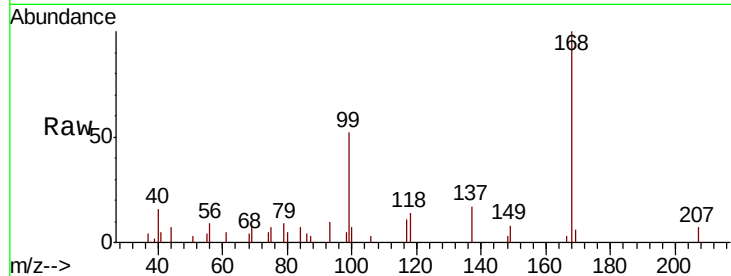
BR-1

Tot Ion:168 Resp: 18138

Ion Ratio Lower Upper

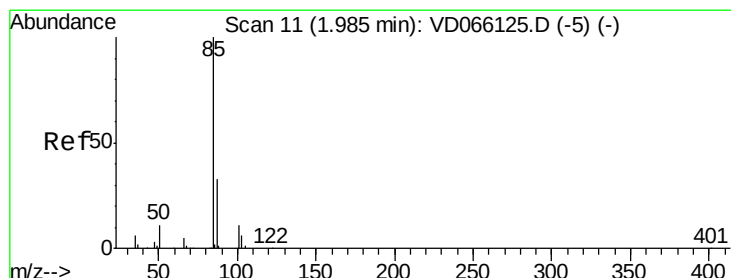
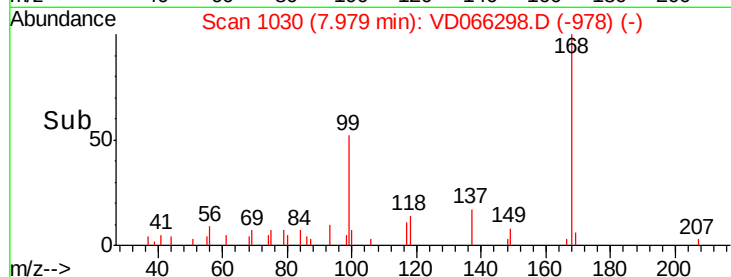
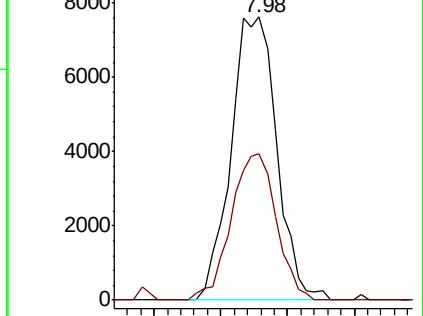
168 100

99 51.8 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.083 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066298.D

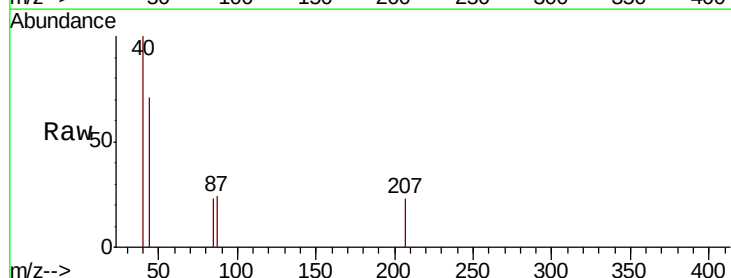
Acq: 19 Aug 2020 02:41

Tgt Ion: 85 Resp: 173

Ion Ratio Lower Upper

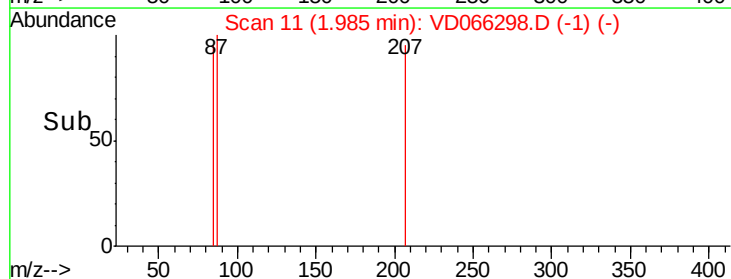
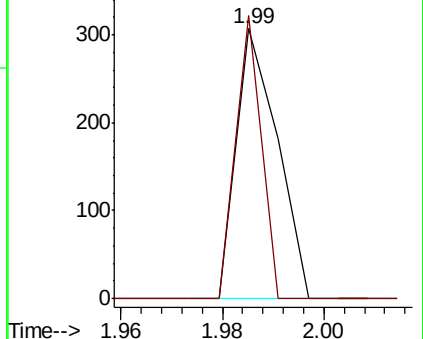
85 100

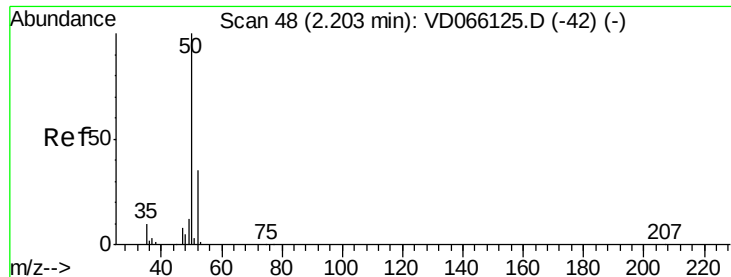
87 104.9 16.3 48.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 1.762 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampled :

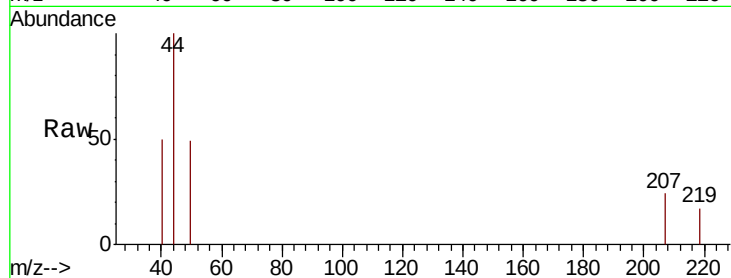
BR-1

Tot Ion: 50 Resp: 219

Ion Ratio Lower Upper

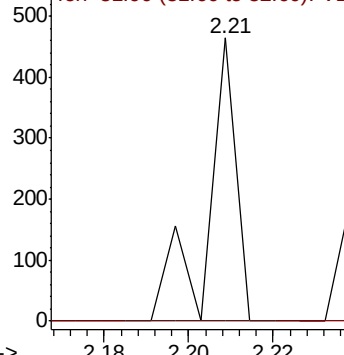
50 100

52 0.0 27.9 41.9#

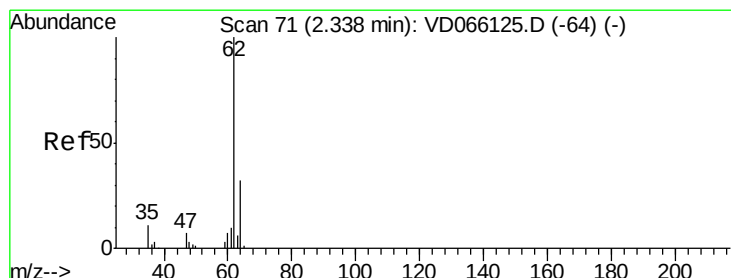
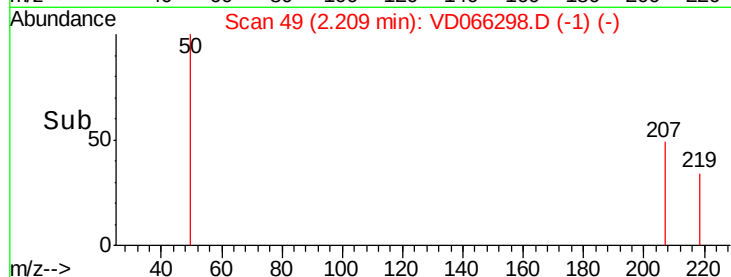


Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



Time-->



#4

Vinyl Chloride

Concen: 3.244 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066298.D

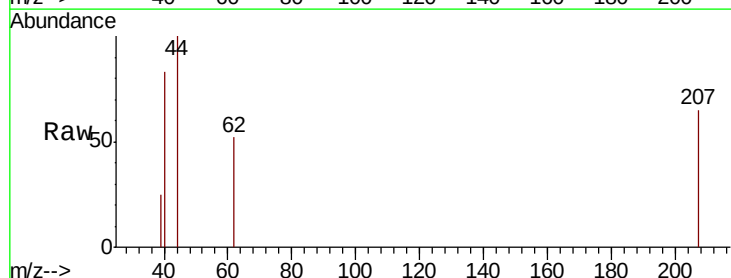
Acq: 19 Aug 2020 02:41

Tgt Ion: 62 Resp: 357

Ion Ratio Lower Upper

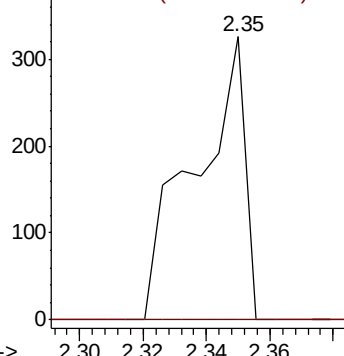
62 100

64 0.0 25.8 38.8#

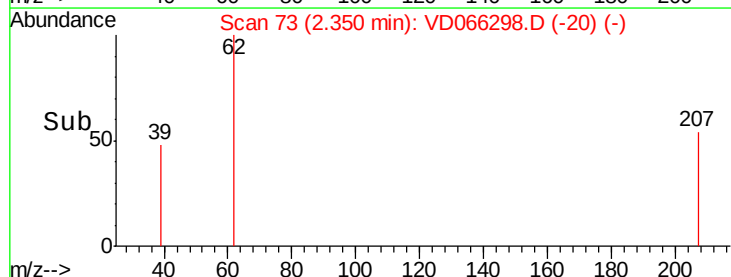


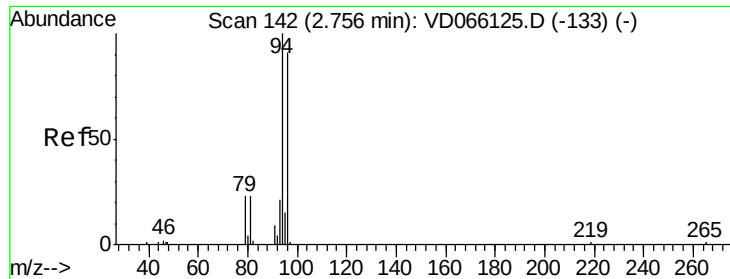
Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC



Time-->





#5

Bromomethane

Concen: 1.972 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.02 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

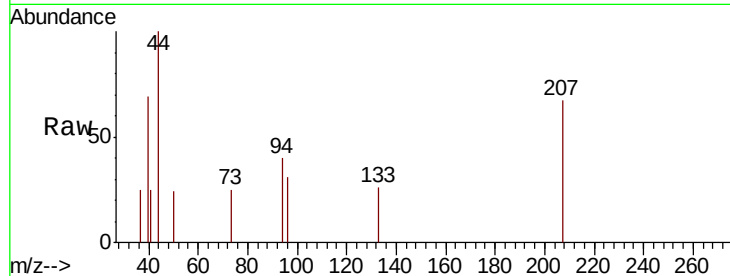
BR-1

Tot Ion: 94 Resp: 144

Ion Ratio Lower Upper

94 100

96 78.8 72.6 109.0

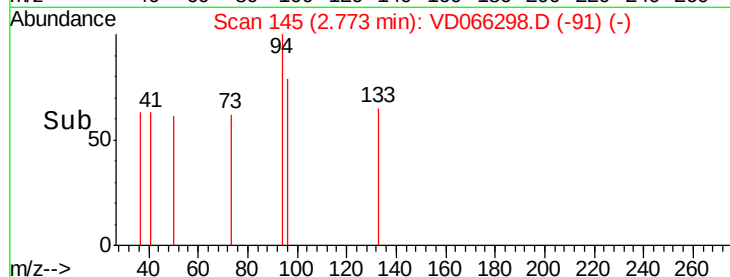


Abundance Ion 93.90 (93.60 to 94.60): VDC

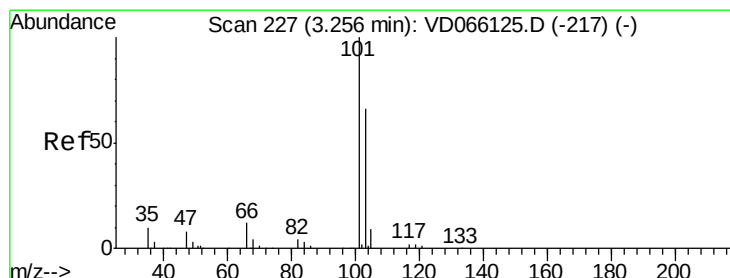
Ion 95.90 (95.60 to 96.60): VDC

2.77

2.74 2.76 2.78



Time-->



#7

Trichlorofluoromethane

Concen: 2.774 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.02 min

Lab File: VD066298.D

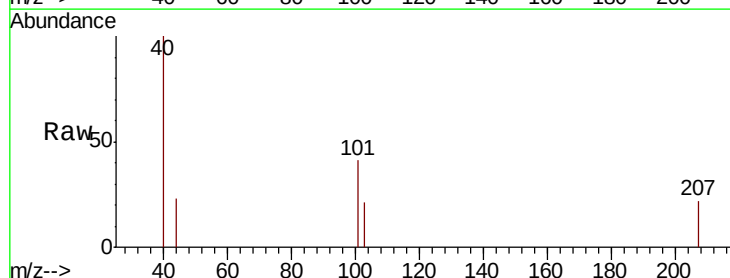
Acq: 19 Aug 2020 02:41

Tgt Ion: 101 Resp: 796

Ion Ratio Lower Upper

101 100

103 50.8 53.0 79.6#

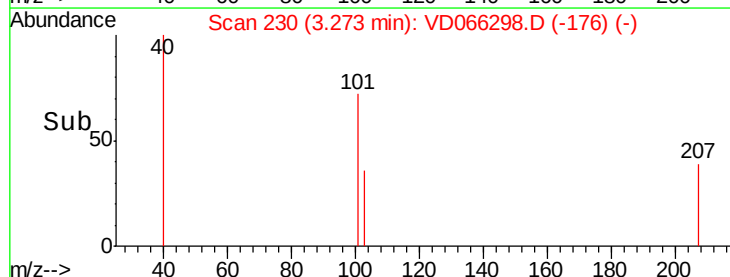


Abundance Ion 100.90 (100.60 to 101.60): V

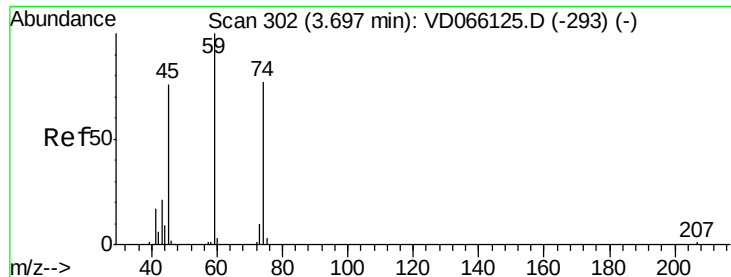
Ion 102.80 (102.50 to 103.50): V

3.27

3.25 3.30



Time-->



#8

Diethyl Ether

Concen: 1.668 ug/l

RT: 3.70 min Scan# 302

Delta R.T. 0.00 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampled :

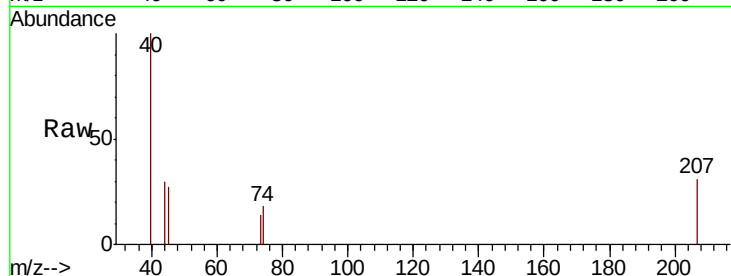
BR-1

Tot Ion: 74 Resp: 135

Ion Ratio Lower Upper

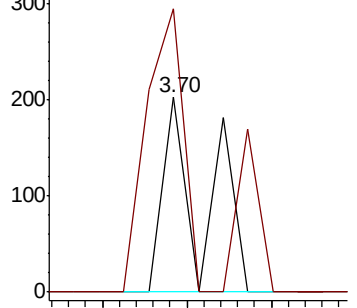
74 100

45 131.9 48.4 145.2

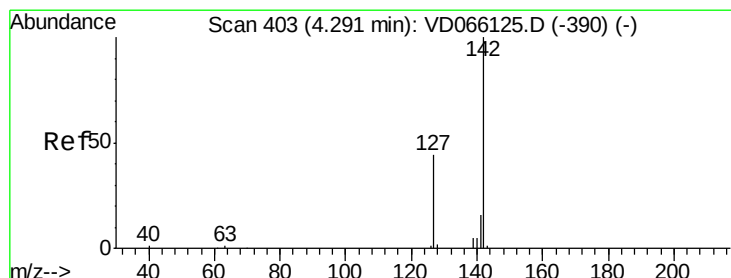
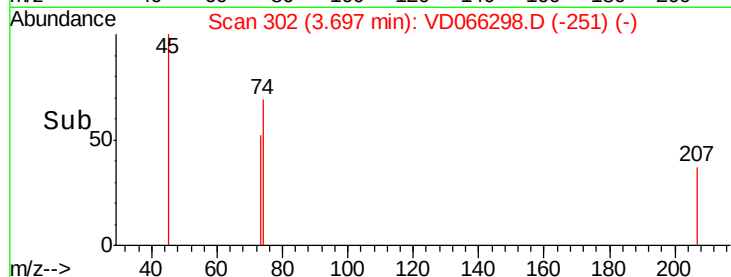


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



Time-->



#10

Methyl Iodide

Concen: 10.274 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.04 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

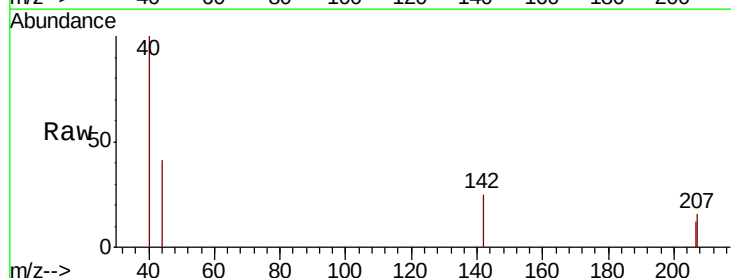
Tgt Ion: 142 Resp: 638

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

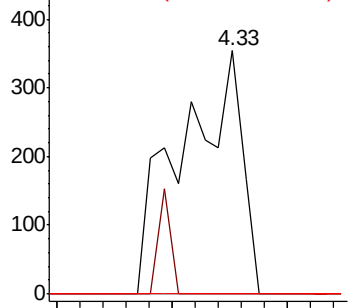
141 0.0 12.6 18.8#



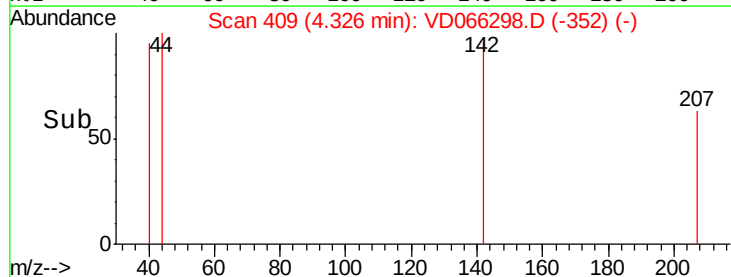
Abundance Ion 141.80 (141.50 to 142.50): V

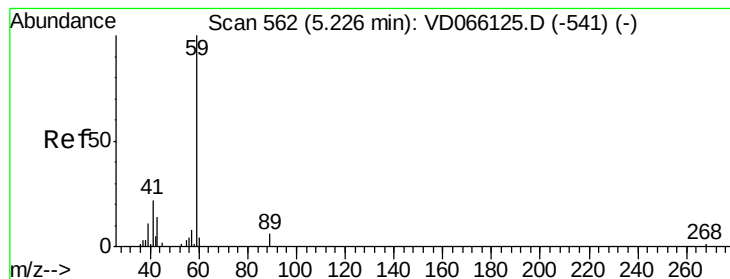
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



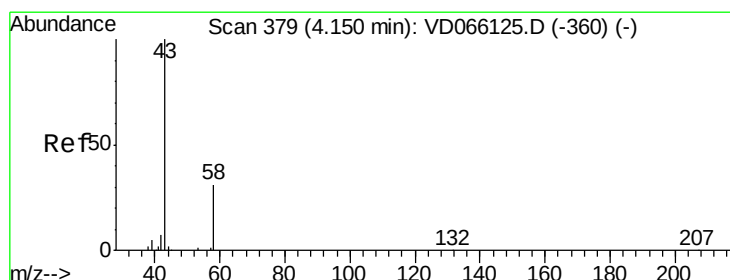
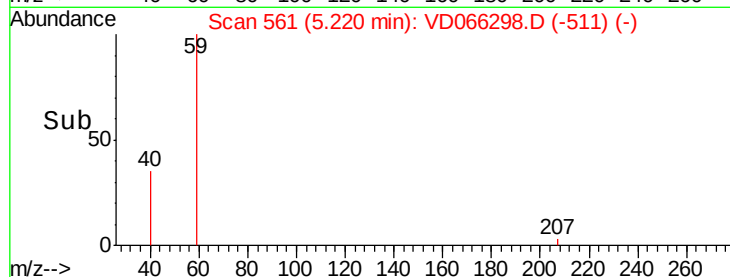
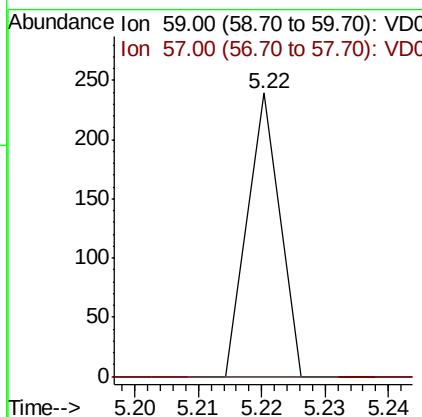
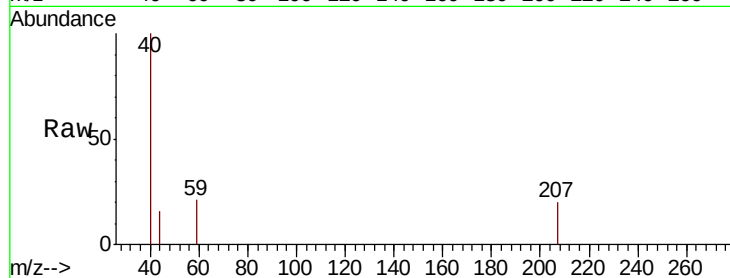


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Instrument :
 MSVOA_D
 ClientSampled :
 BR-1

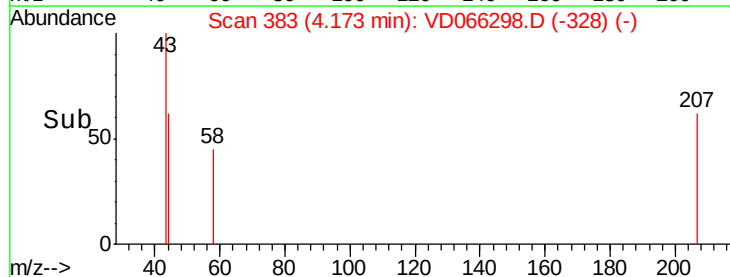
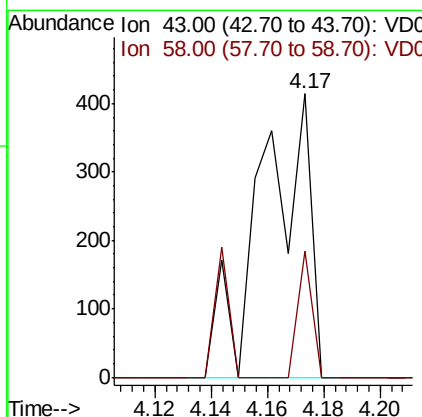
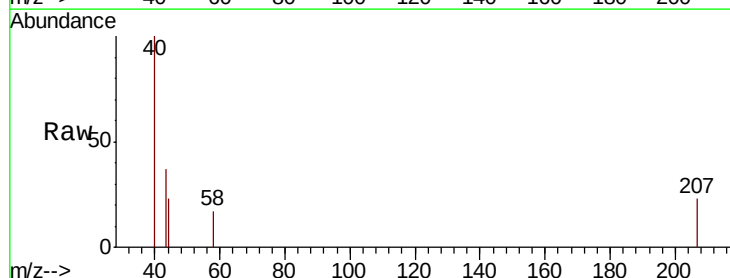
Tot Ion: 59 Resp: 84
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

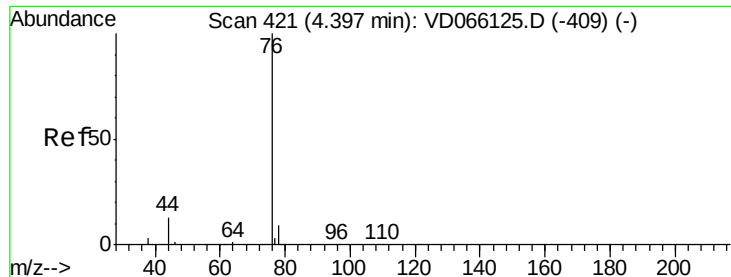


#16

Acetone
 Concen: 16.317 ug/l
 RT: 4.17 min Scan# 383
 Delta R.T. 0.02 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion: 43 Resp: 501
 Ion Ratio Lower Upper
 43 100
 58 44.7 24.7 37.1#





#17

Carbon Disulfide

Concen: 1.807 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

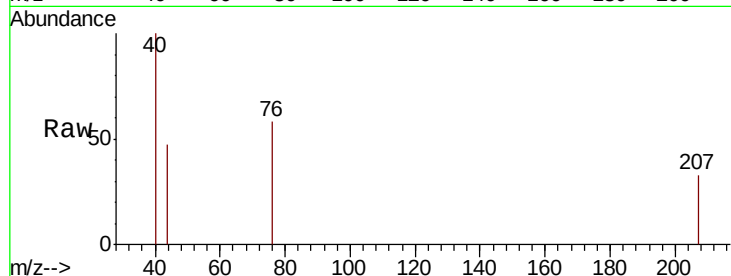
BR-1

Tot Ion: 76 Resp: 923

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

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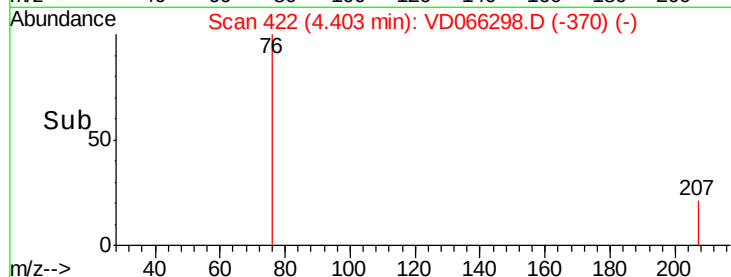
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4.40

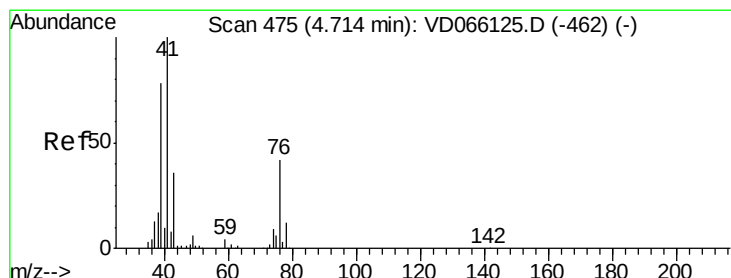
4.40

4.40

4.40



Time-->



#18

Methyl Acetate

Concen: 1.077 ug/l

RT: 4.75 min Scan# 481

Delta R.T. 0.04 min

Lab File: VD066298.D

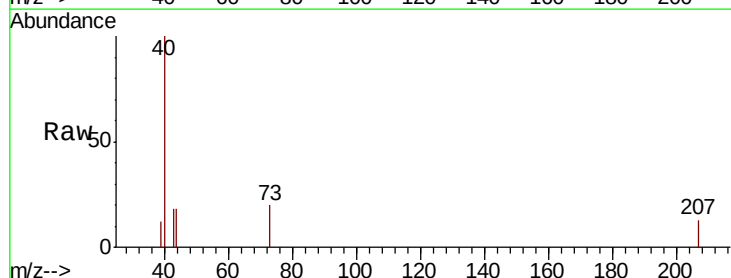
Acq: 19 Aug 2020 02:41

Tgt Ion: 43 Resp: 84

Ion Ratio Lower Upper

43 100

74 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.75

4.75

4.75

4.75

4.75

4.75

4.75

4.75

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4.75

4.75

4.75

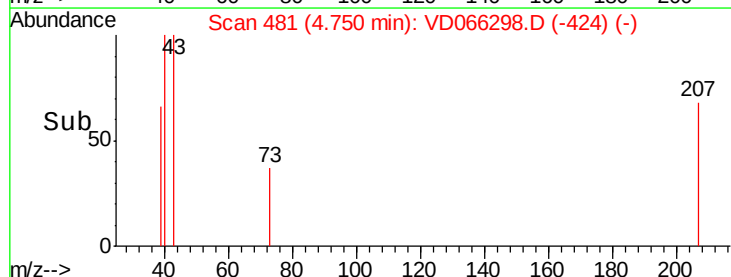
4.75

4.75

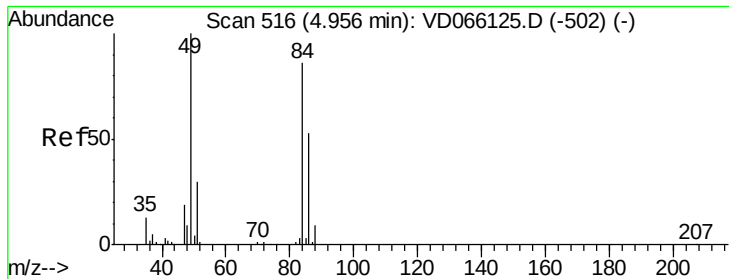
4.75

4.75

4.75



Time-->



#20

Methylene Chloride

Concen: 4.613 ug/l

RT: 4.95 min Scan# 515

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

BR-1

Tot Ion: 84 Resp: 1560

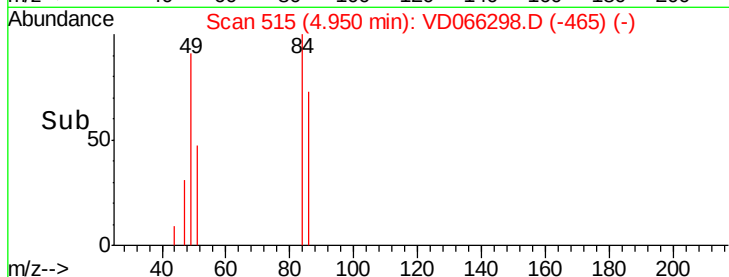
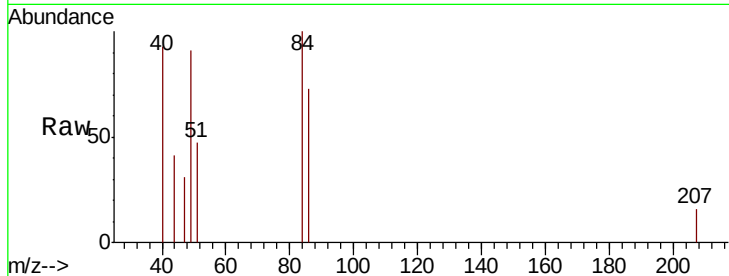
Ion Ratio Lower Upper

84 100

49 90.7 93.5 140.3#

51 46.9 28.2 42.4#

86 72.7 49.5 74.3

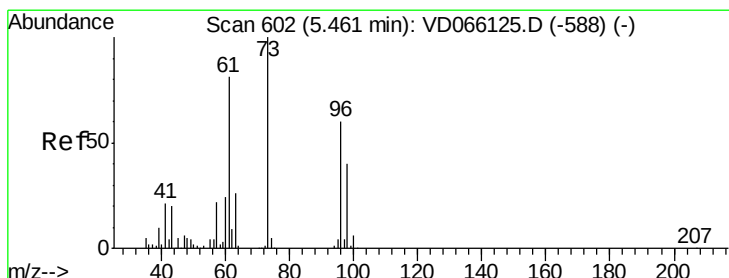
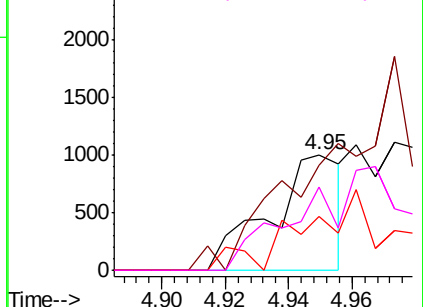


Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.073 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

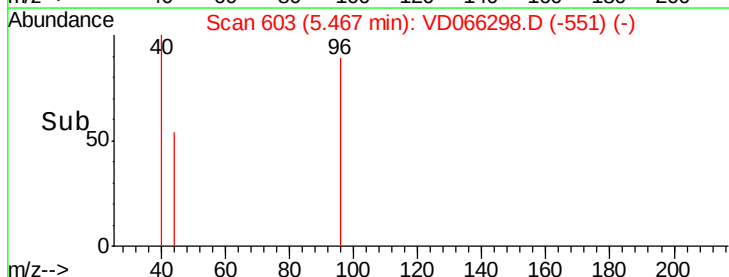
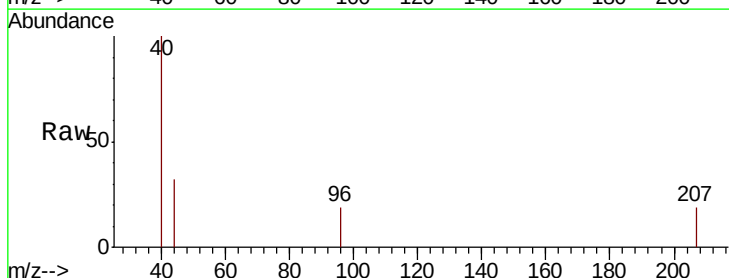
Tgt Ion: 96 Resp: 198

Ion Ratio Lower Upper

96 100

61 0.0 106.9 160.3#

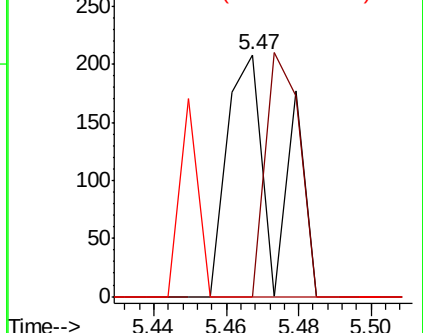
98 0.0 53.4 80.0#

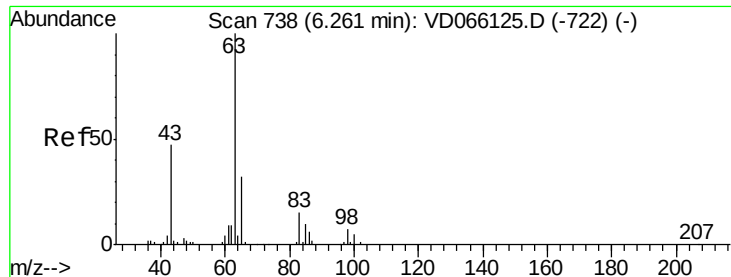


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#24

1,1-Dichloroethane

Concen: 1.454 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

BR-1

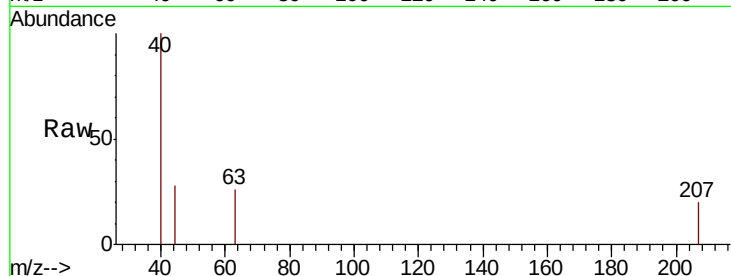
Tot Ion: 63 Resp: 433

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

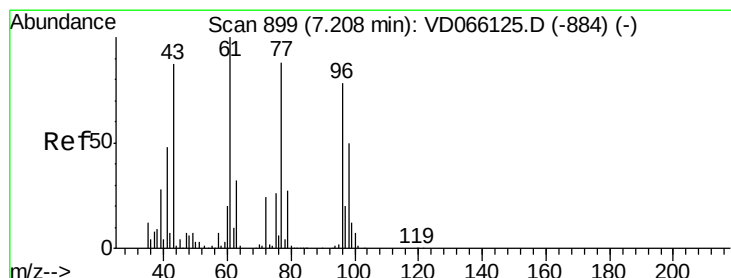
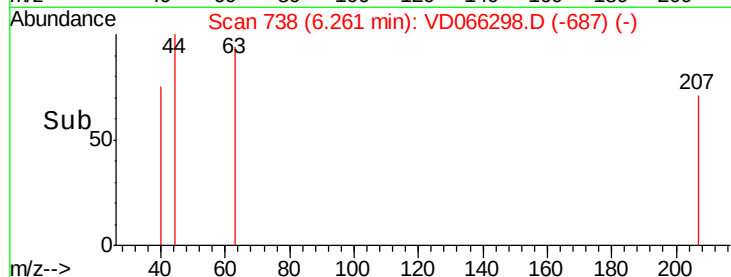
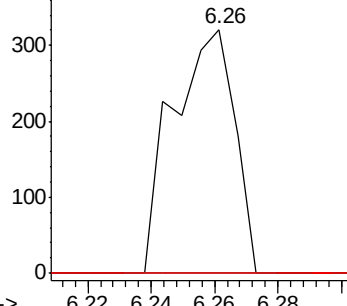
100 0.0 2.4 7.2#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



#25

2-Butanone

Concen: 4.938 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066298.D

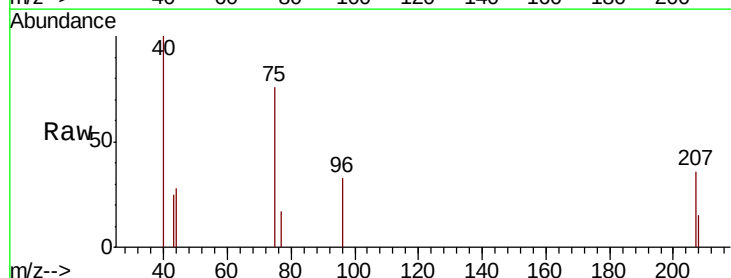
Acq: 19 Aug 2020 02:41

Tgt Ion: 43 Resp: 223

Ion Ratio Lower Upper

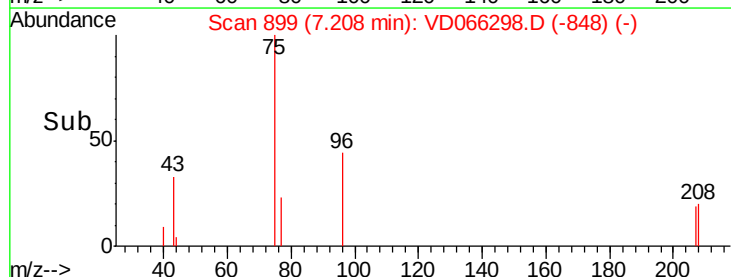
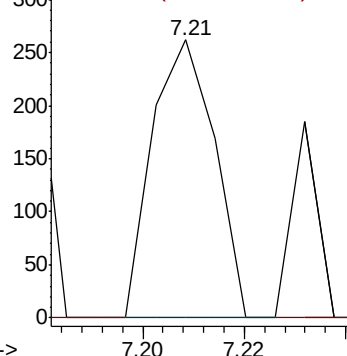
43 100

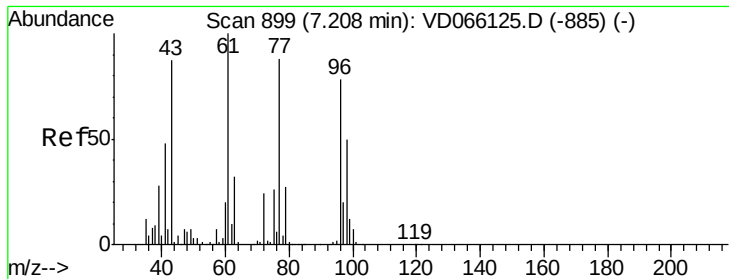
72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



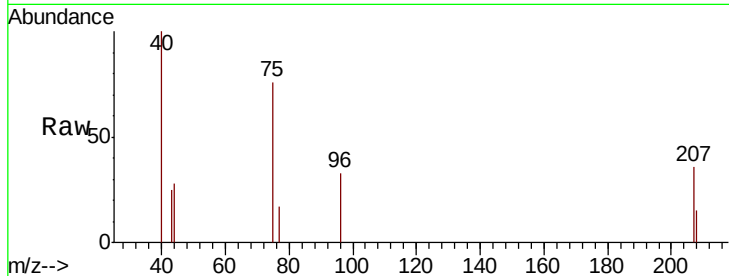


#27

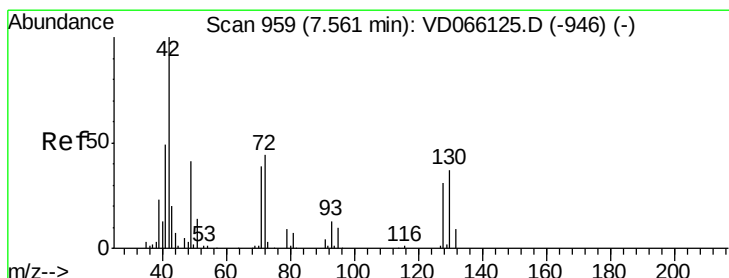
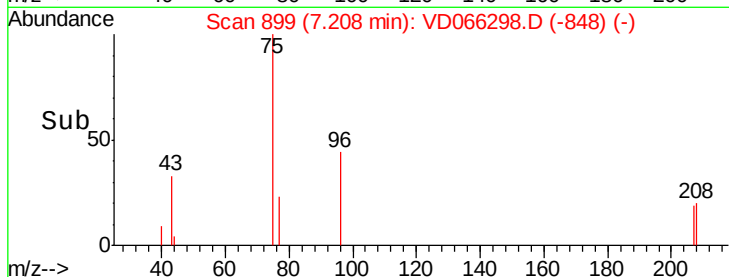
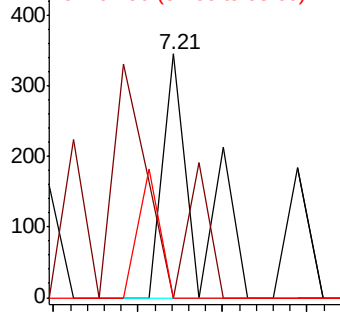
cis-1,2-Dichloroethene
 Concen: 1.018 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Tot Ion: 96 Resp: 197
 Ion Ratio Lower Upper
 96 100
 61 128.4 0.0 281.6
 98 32.5 0.0 130.8



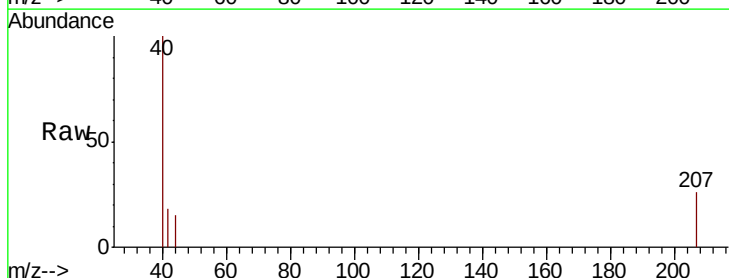
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



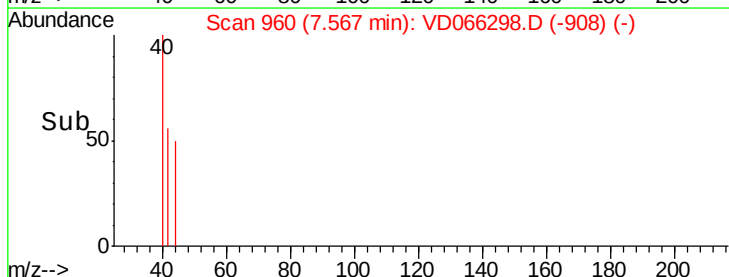
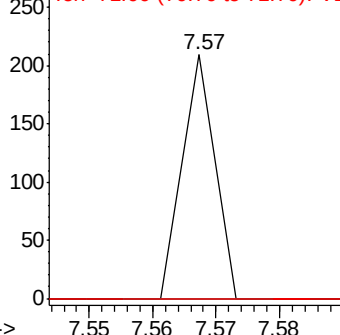
#29

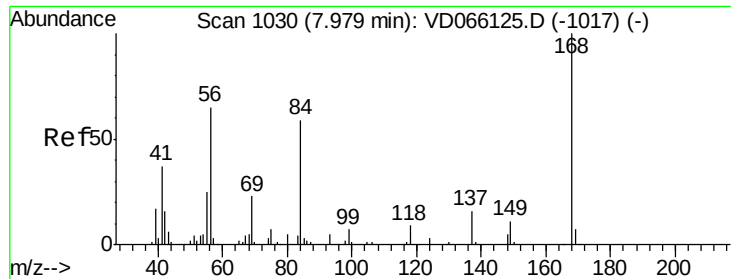
Tetrahydrofuran
 Concen: 2.645 ug/l
 RT: 7.57 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion: 42 Resp: 74
 Ion Ratio Lower Upper
 42 100
 72 0.0 34.8 52.2#
 71 0.0 33.5 50.3#



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

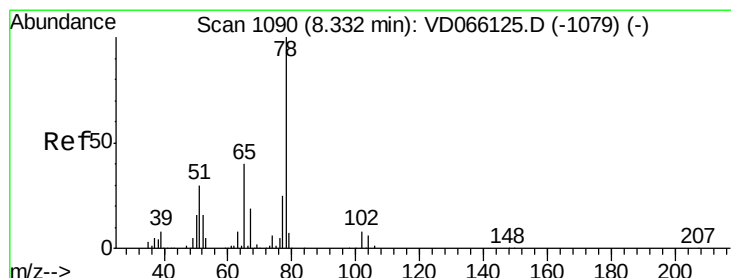
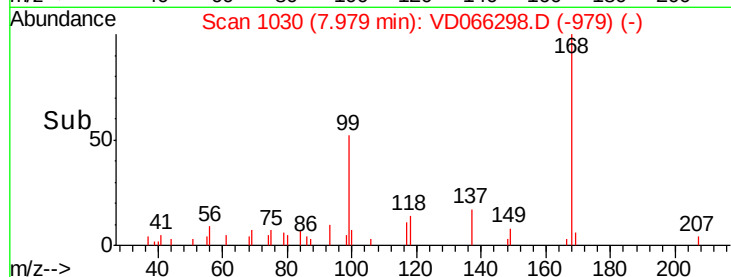
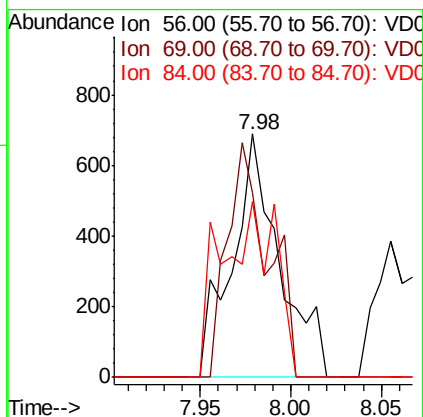
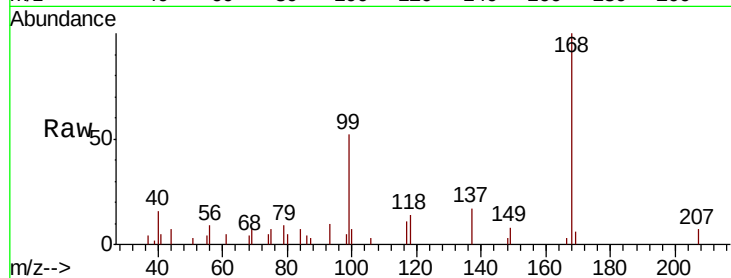




#31
Cyclohexane
Concen: 4.430 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

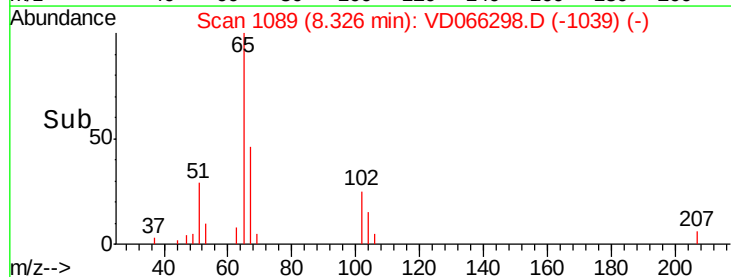
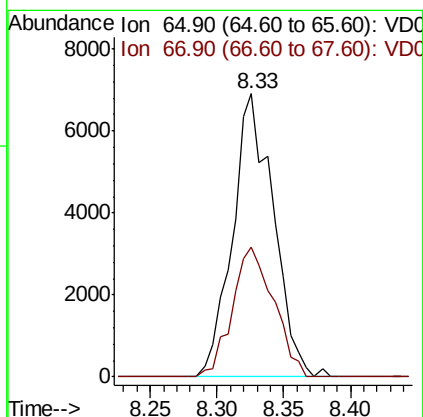
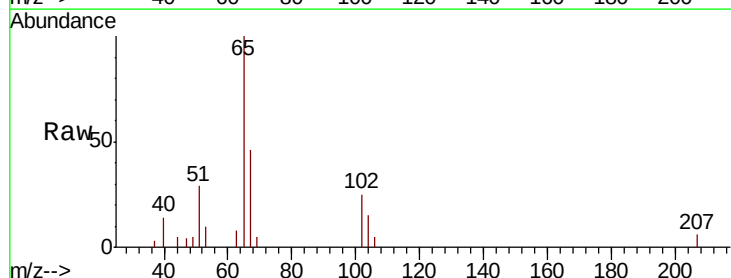
Instrument :
MSVOA_D
ClientSampled :
BR-1

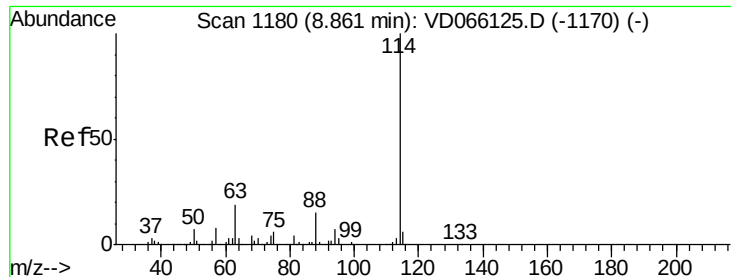
Tot Ion: 56 Resp: 1256
Ion Ratio Lower Upper
56 100
69 76.1 28.8 43.2#
84 72.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 90.731 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

Tgt Ion: 65 Resp: 14682
Ion Ratio Lower Upper
65 100
67 46.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

BR-1

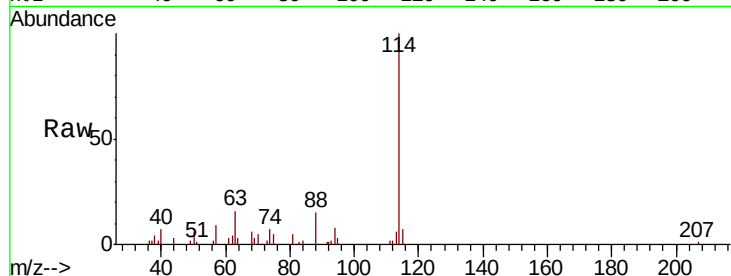
Tot Ion:114 Resp: 28238

Ion Ratio Lower Upper

114 100

63 16.5 0.0 38.6

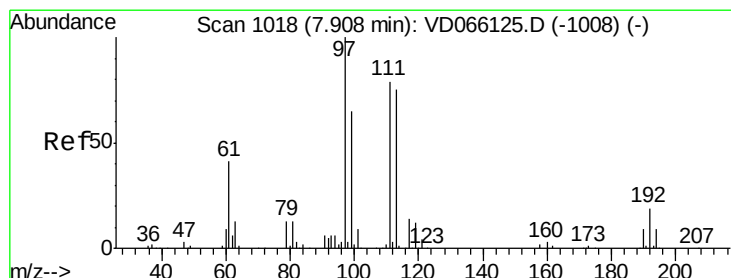
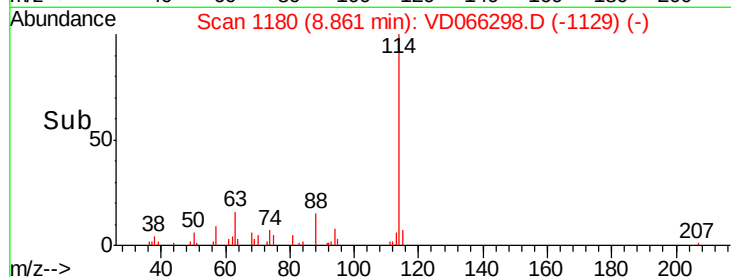
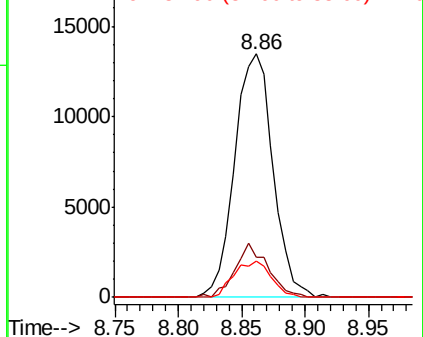
88 15.1 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 62.364 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

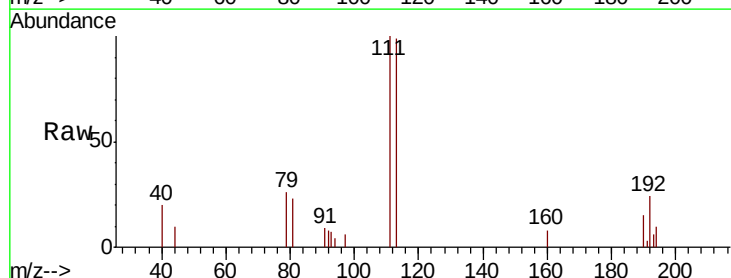
Tgt Ion:113 Resp: 11156

Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

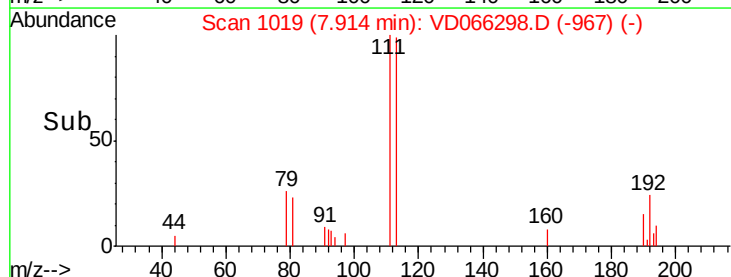
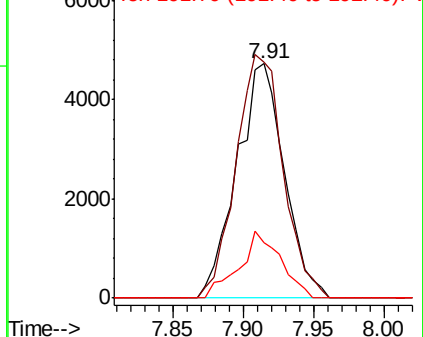
192 24.8 18.4 27.6

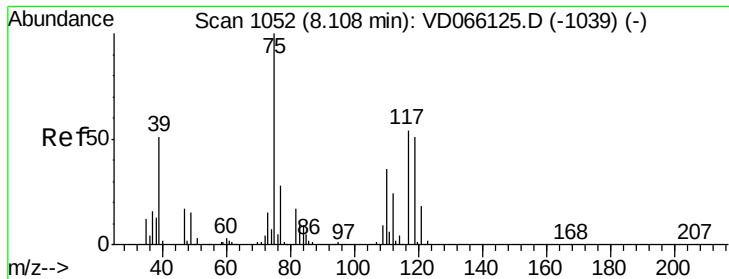


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

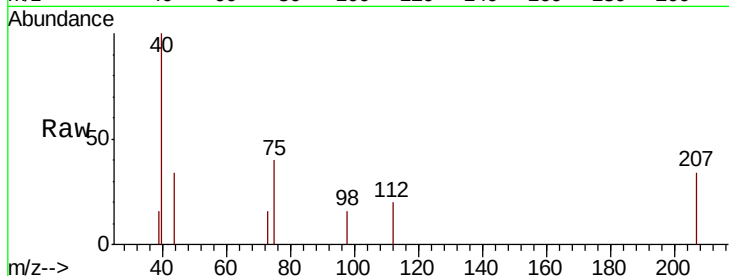




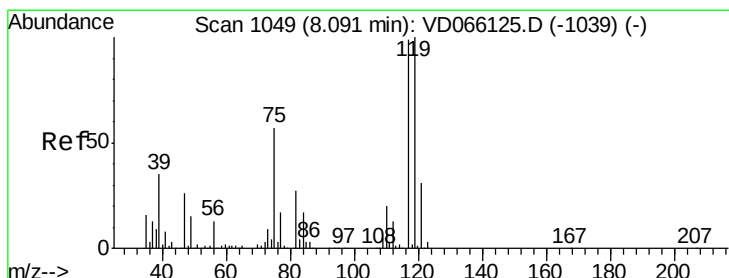
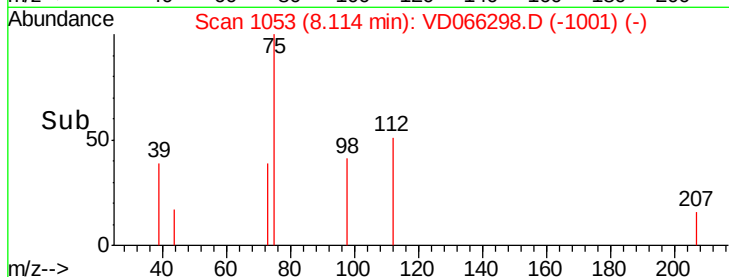
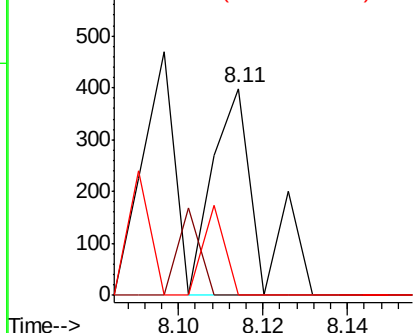
#36
 1,1-Dichloropropene
 Concen: 1.153 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Instrument :
 MSVOA_D
 ClientSampled :
 BR-1

Tot Ion: 75 Resp: 306
 Ion Ratio Lower Upper
 75 100
 110 19.3 18.8 56.3
 77 19.9 24.2 36.2#

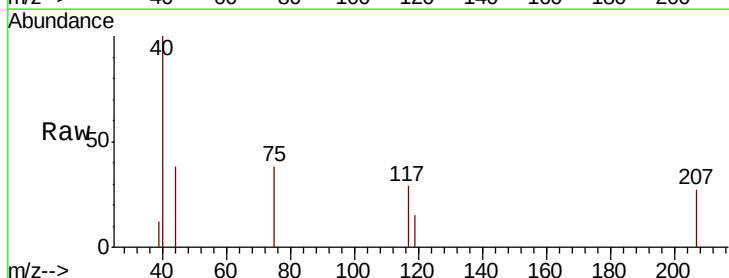


Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

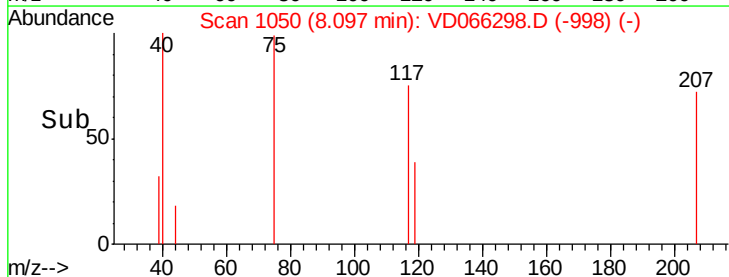
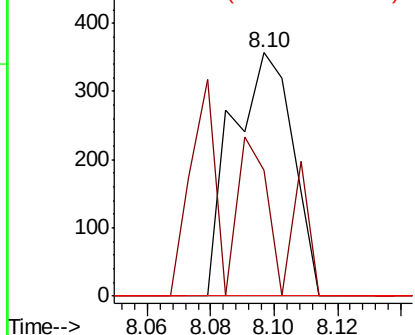


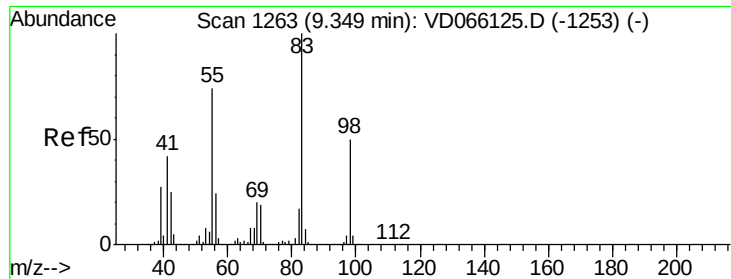
#38
 Carbon Tetrachloride
 Concen: 1.602 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion: 117 Resp: 474
 Ion Ratio Lower Upper
 117 100
 119 51.8 81.0 121.4#
 121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

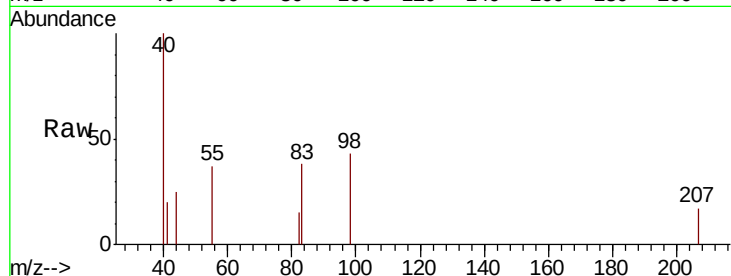




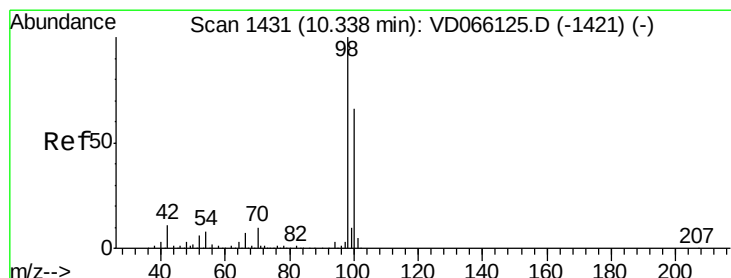
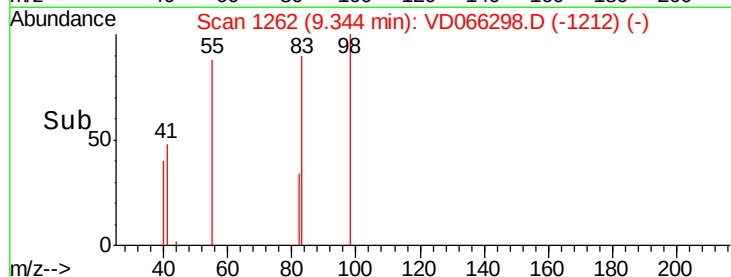
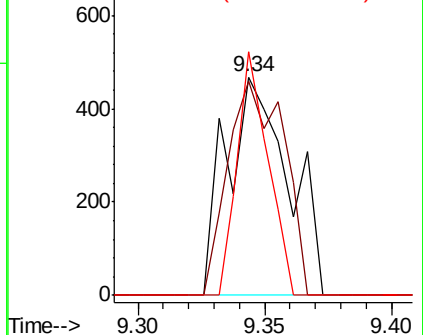
#39
Methylvlcyclohexane
Concen: 2.497 ug/l
RT: 9.34 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

Instrument :
MSVOA_D
ClientSampleId :
BR-1

Tot Ion: 83 Resp: 801
Ion Ratio Lower Upper
83 100
55 98.1 59.2 88.8#
98 111.5 39.8 59.6#

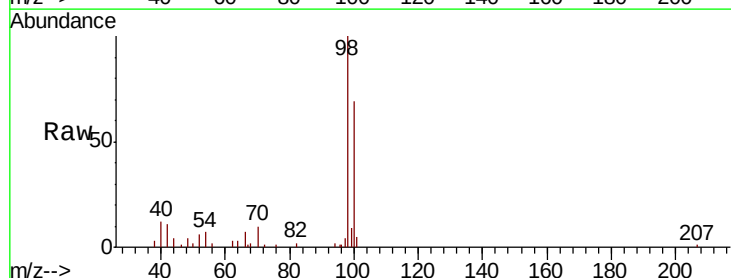


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

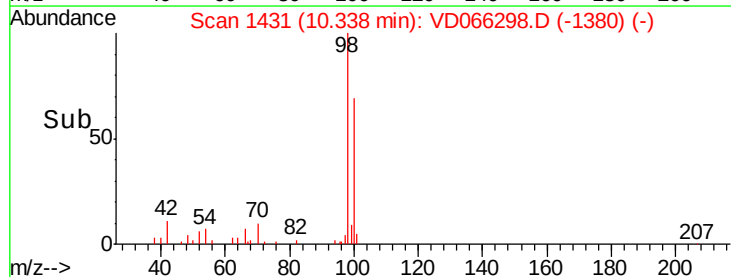
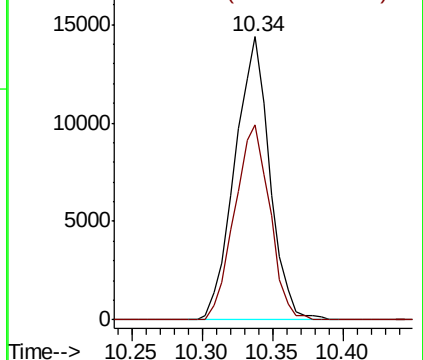


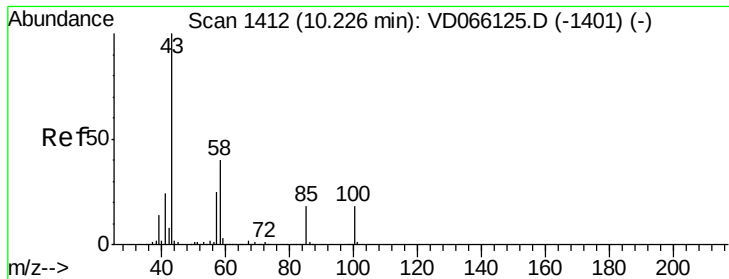
#50
Toluene-d8
Concen: 37.540 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

Tgt Ion: 98 Resp: 24781
Ion Ratio Lower Upper
98 100
100 69.5 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.363 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampled :

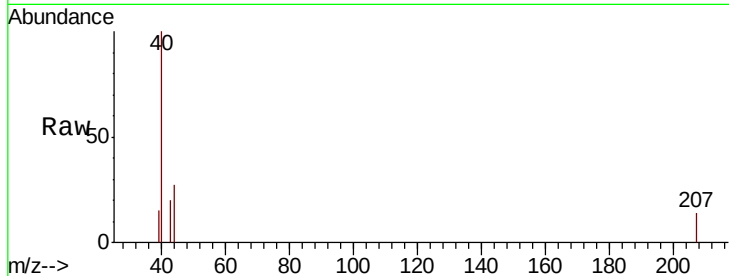
BR-1

Tot Ion: 43 Resp: 145

Ion Ratio Lower Upper

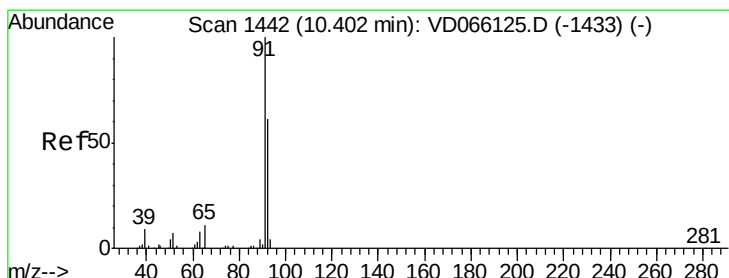
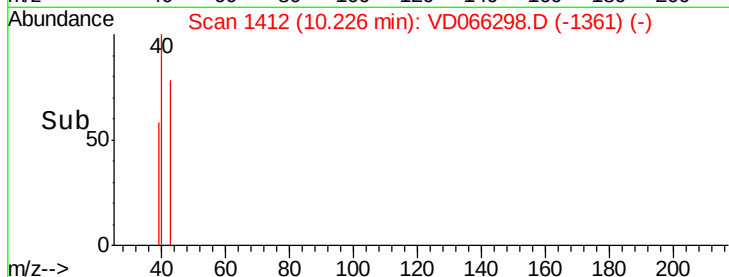
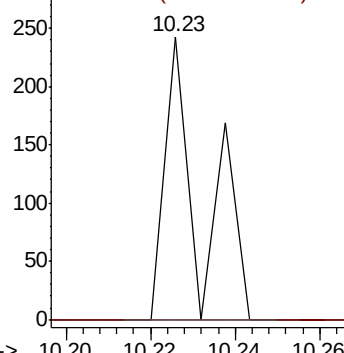
43 100

58 0.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 1.375 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066298.D

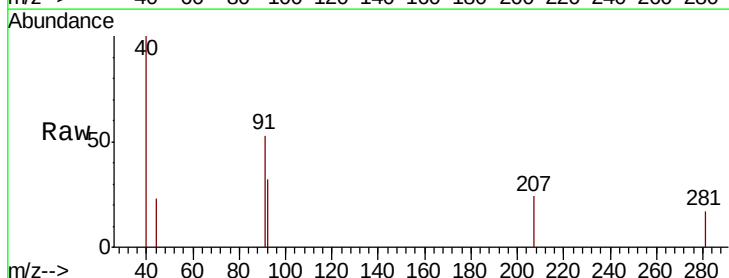
Acq: 19 Aug 2020 02:41

Tgt Ion: 92 Resp: 666

Ion Ratio Lower Upper

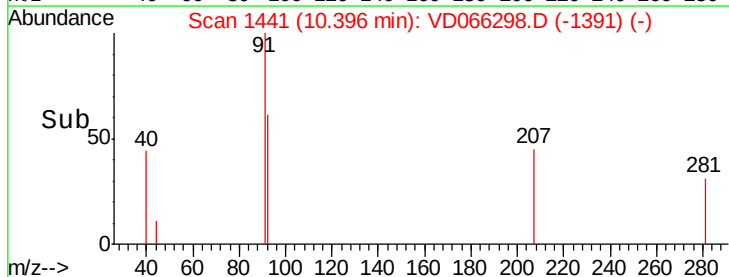
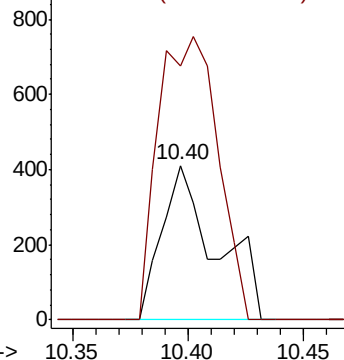
92 100

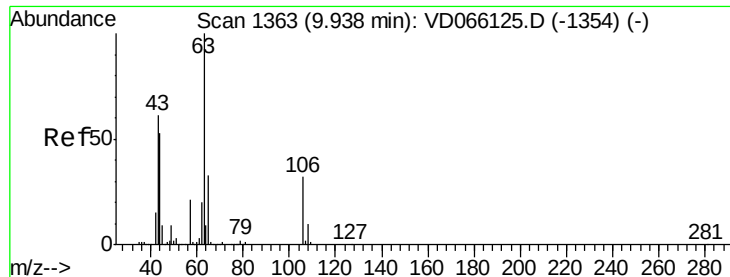
91 203.2 135.2 202.8#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#58

2-Chloroethyl Vinyl ether

Concen: 4.601 ug/l

RT: 9.93 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

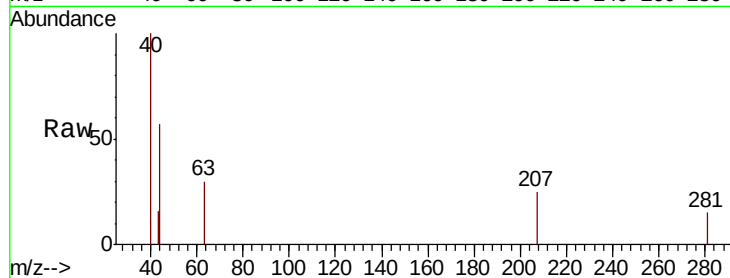
BR-1

Tot Ion: 63 Resp: 355

Ion Ratio Lower Upper

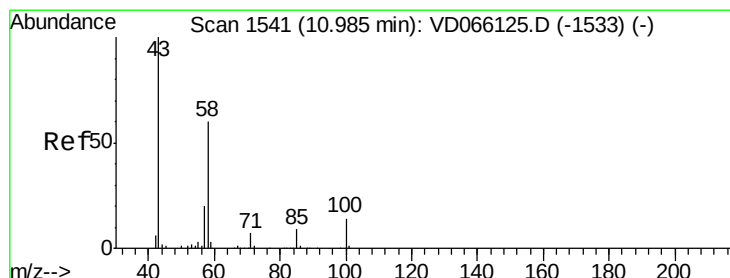
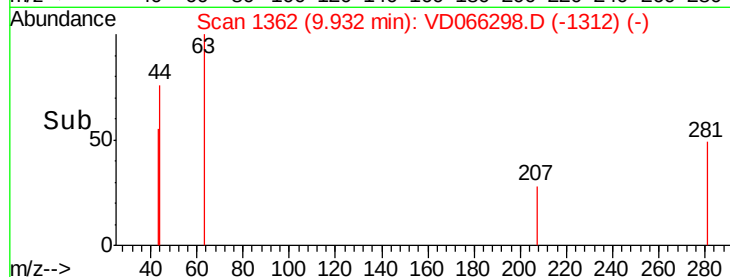
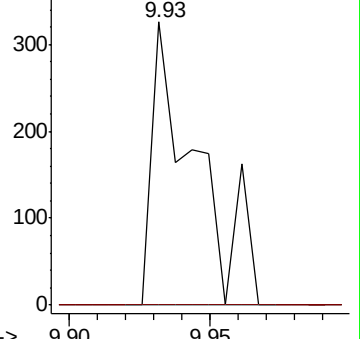
63 100

106 0.0 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): VDC



#59

2-Hexanone

Concen: 3.053 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.01 min

Lab File: VD066298.D

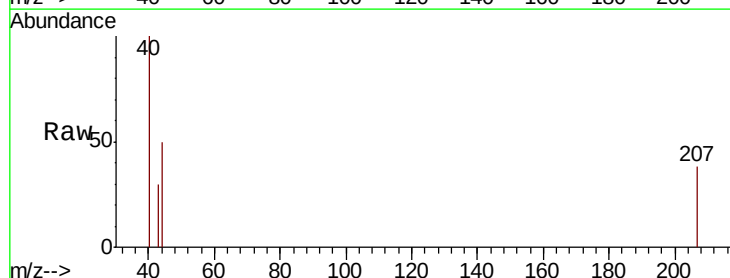
Acq: 19 Aug 2020 02:41

Tgt Ion: 43 Resp: 228

Ion Ratio Lower Upper

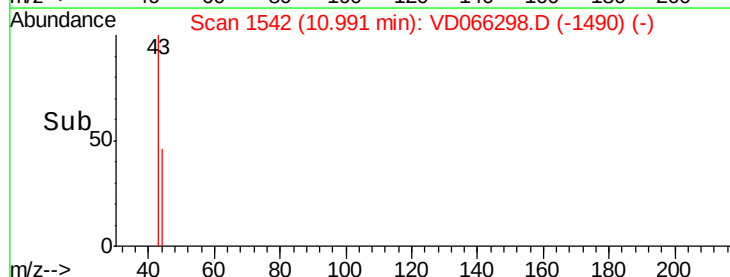
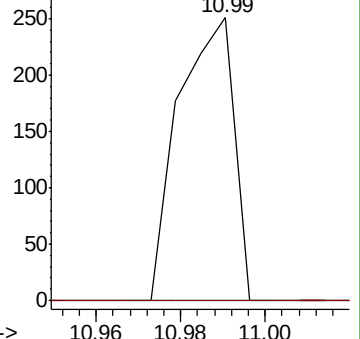
43 100

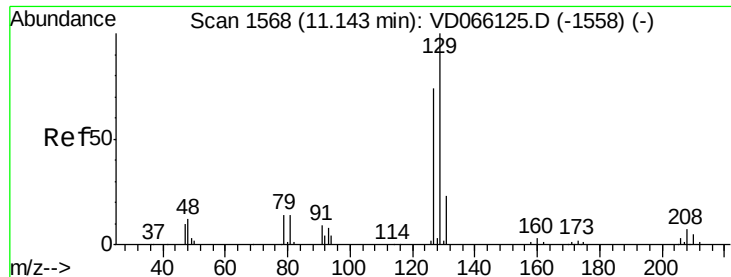
58 0.0 27.8 83.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

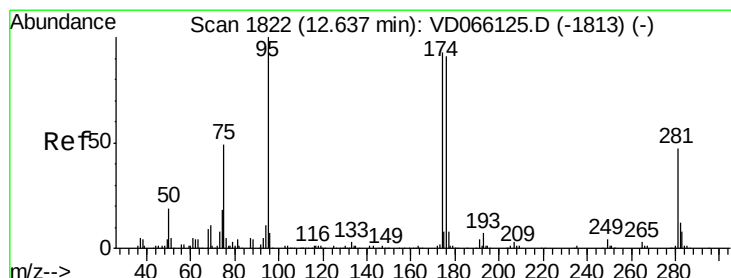
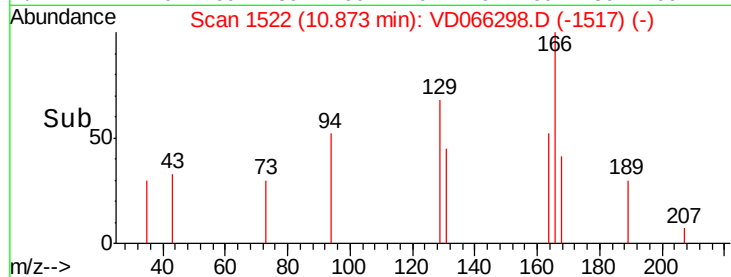
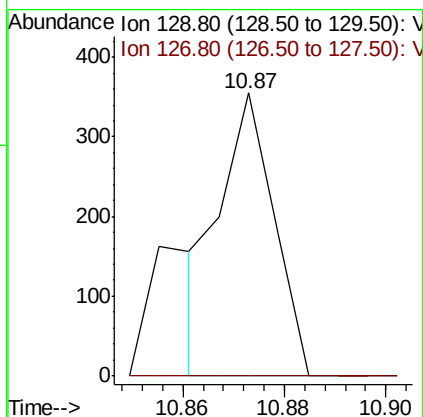
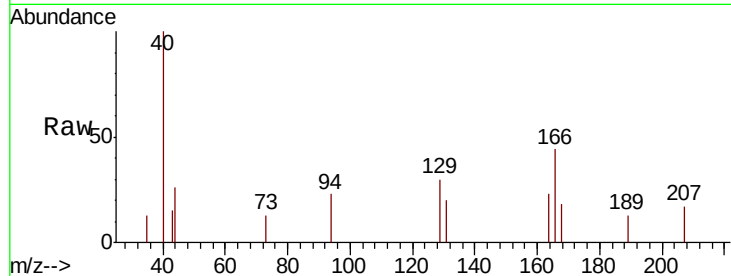




#60
 Dibromochloromethane
 Concen: 1.314 ug/l
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.27 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

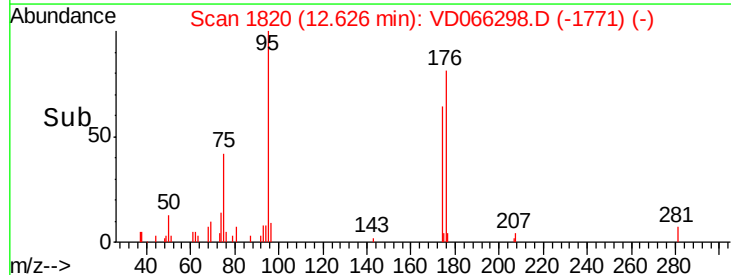
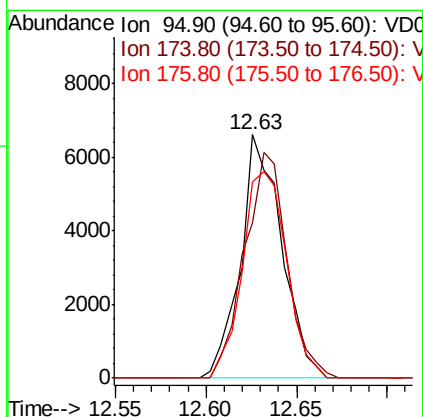
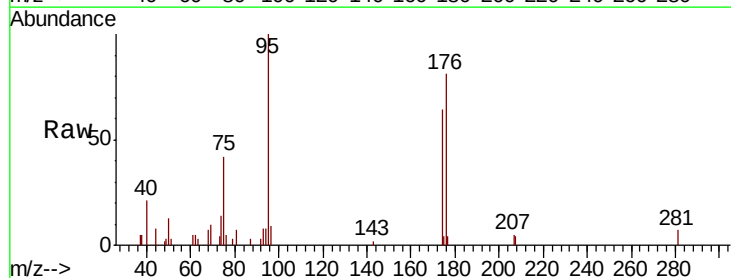
Instrument :
 MSVOA_D
 ClientSampleID :
 BR-1

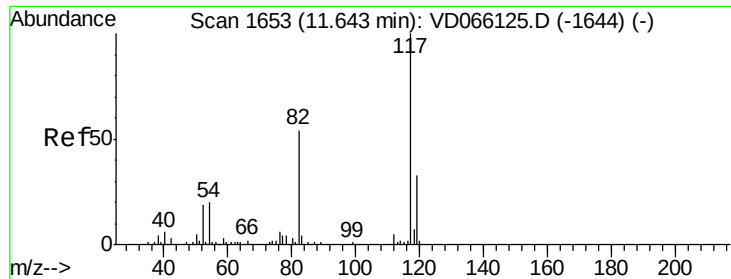
Tot Ion:129 Resp: 259
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.0 114.1#



#62
 4-Bromofluorobenzene
 Concen: 43.517 ug/l
 RT: 12.63 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion: 95 Resp: 10355
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 180.8
 176 92.3 0.0 181.2

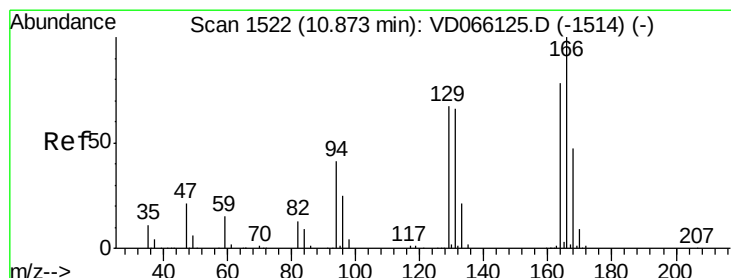
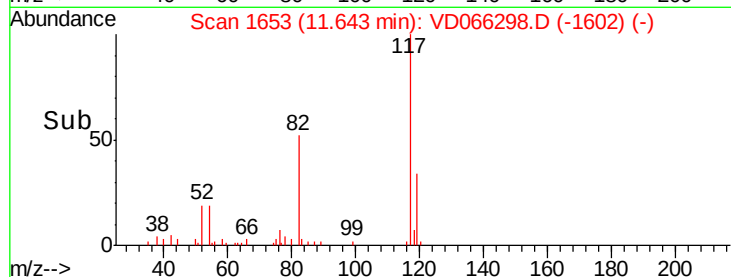
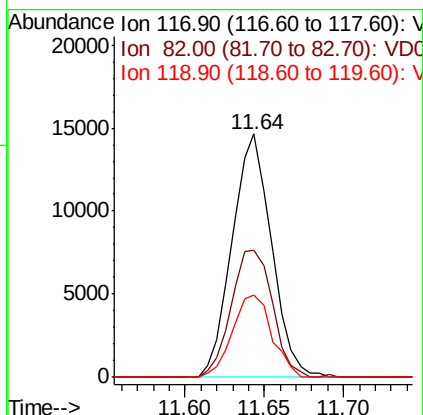
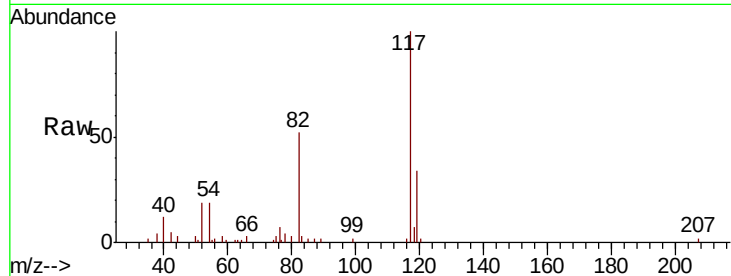




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

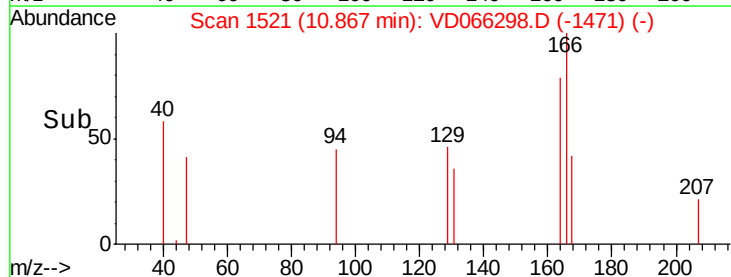
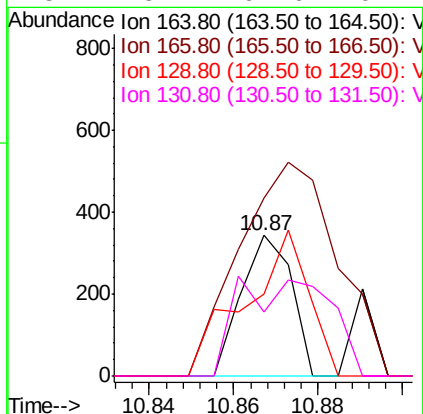
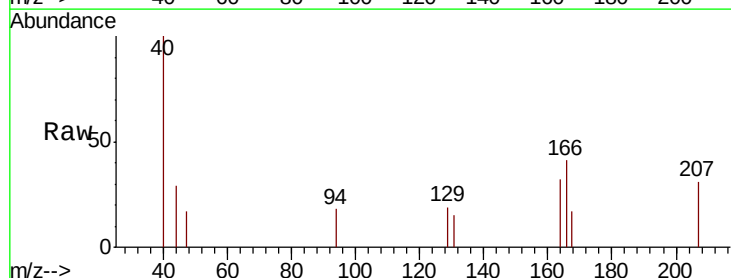
Instrument :
MSVOA_D
ClientSampleId :
BR-1

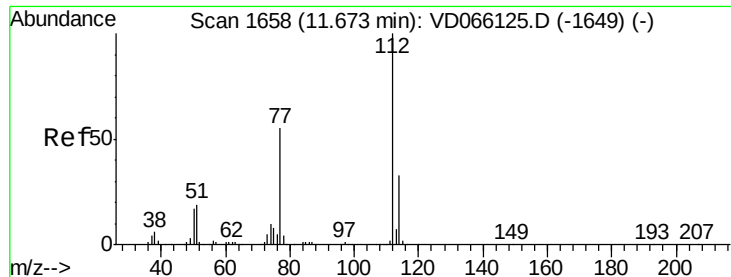
Tot Ion:117 Resp: 25218
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 34.0 26.1 39.1



#64
Tetrachloroethene
Concen: 1.461 ug/l
RT: 10.87 min Scan# 1521
Delta R.T. -0.01 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

Tgt Ion:164 Resp: 283
Ion Ratio Lower Upper
164 100
166 126.5 101.9 152.9
129 58.0 68.1 102.1#
131 45.2 67.6 101.4#

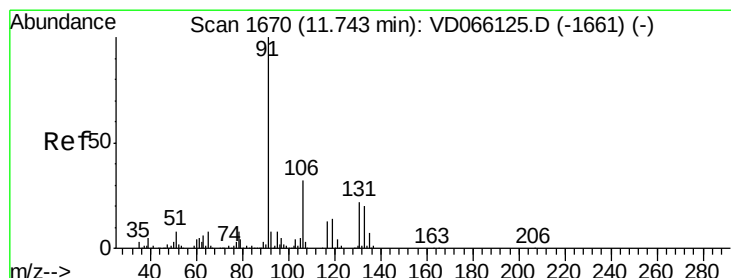
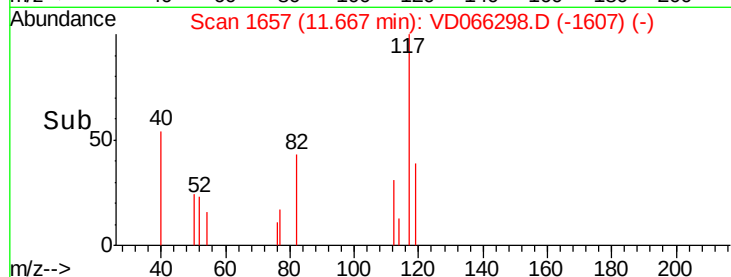
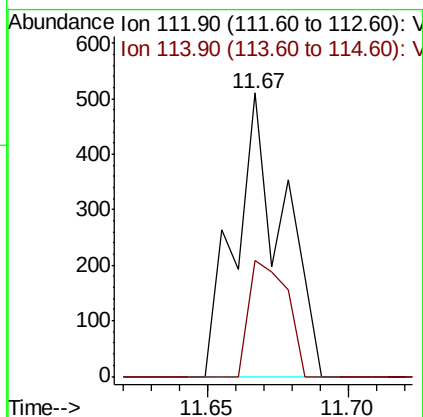
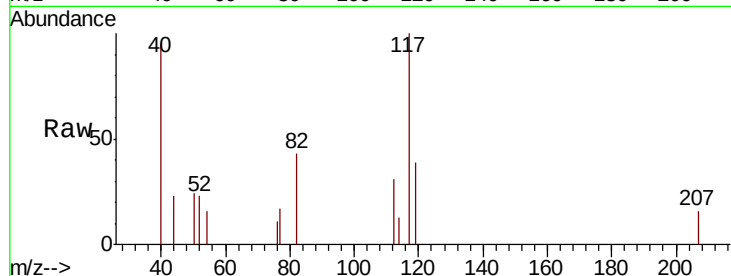




#65
Chlorobenzene
Concen: 1.170 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

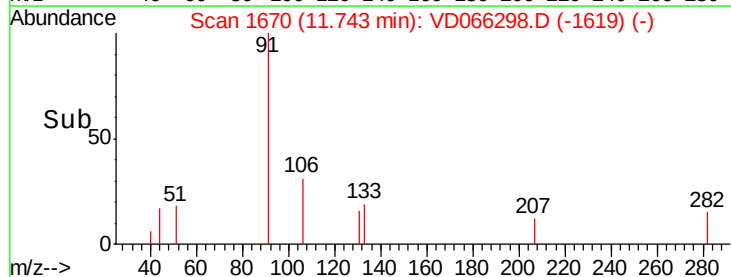
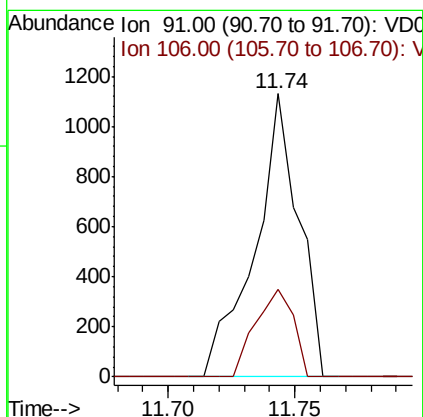
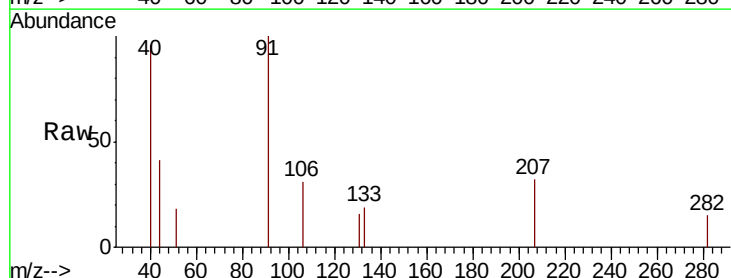
Instrument :
MSVOA_D
ClientSampleId :
BR-1

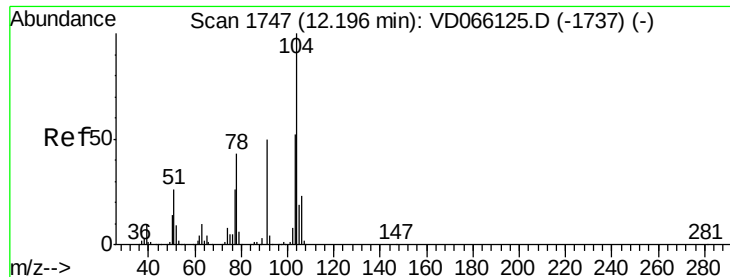
Tot Ion:112 Resp: 599
Ion Ratio Lower Upper
112 100
114 41.0 26.1 39.1#



#67
Ethyl Benzene
Concen: 1.542 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

Tgt Ion: 91 Resp: 1368
Ion Ratio Lower Upper
91 100
106 30.9 25.7 38.5

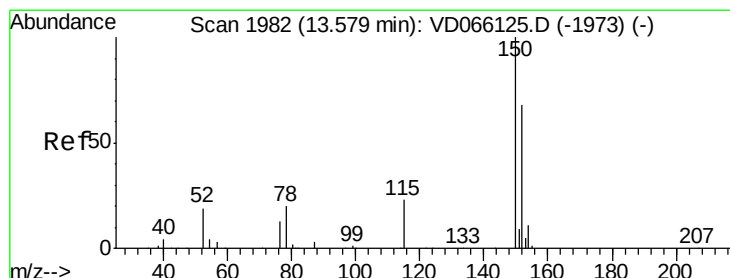
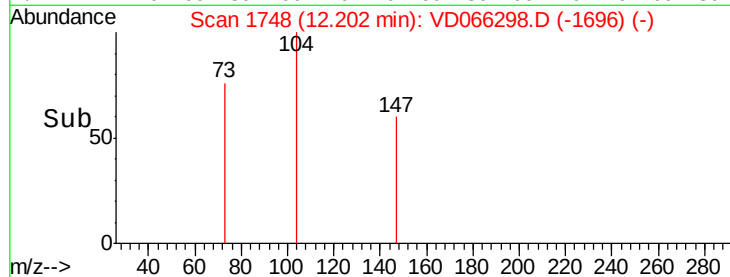
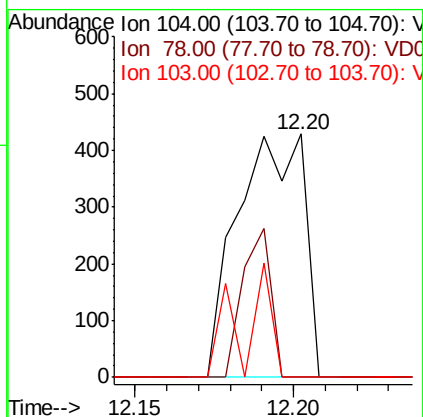
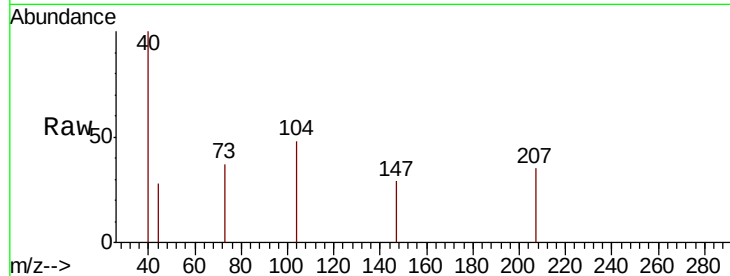




#70
Stvrene
Concen: 1.133 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

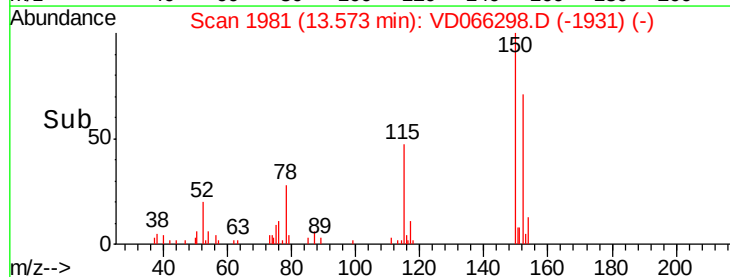
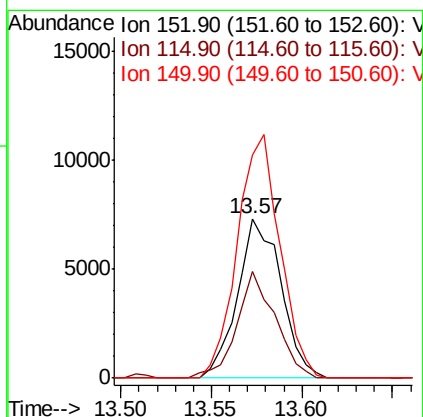
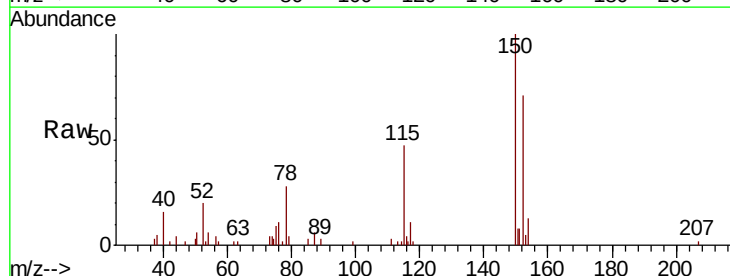
Instrument :
MSVOA_D
ClientSampleId :
BR-1

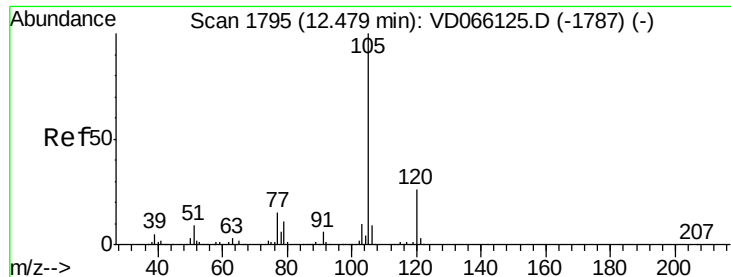
Tot Ion:104 Resp: 621
Ion Ratio Lower Upper
104 100
78 25.9 38.6 58.0#
103 0.0 44.1 66.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066298.D
Acq: 19 Aug 2020 02:41

Tgt Ion:152 Resp: 12264
Ion Ratio Lower Upper
152 100
115 58.8 28.0 83.9
150 148.7 0.0 346.4





#73

Isopropylbenzene

Concen: 1.727 ug/l

RT: 12.47 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampled :

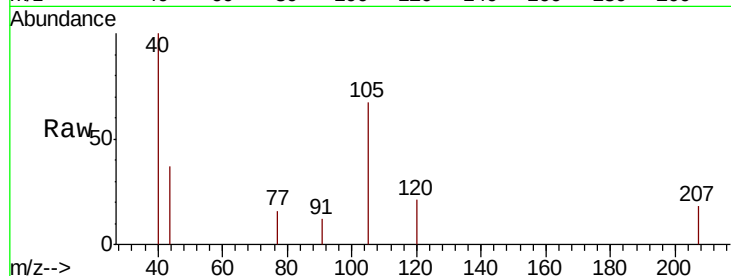
BR-1

Tot Ion:105 Resp: 1414

Ion Ratio Lower Upper

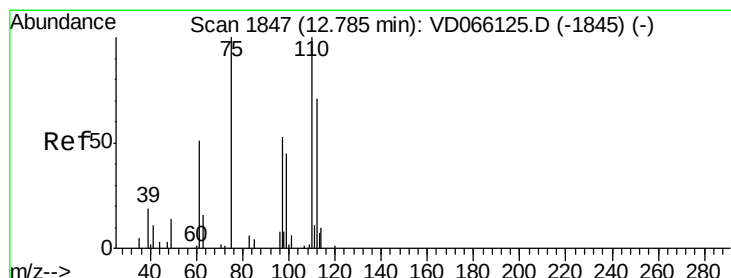
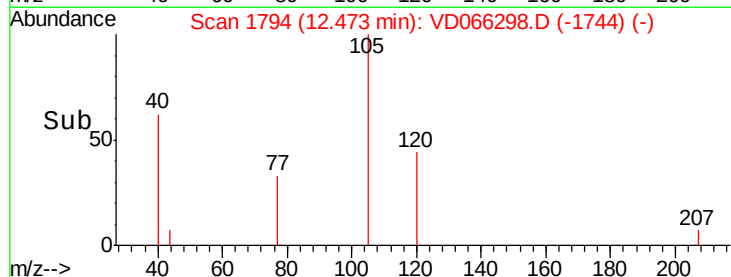
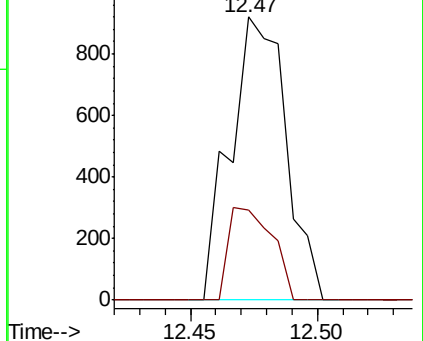
105 100

120 25.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 51.842 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066298.D

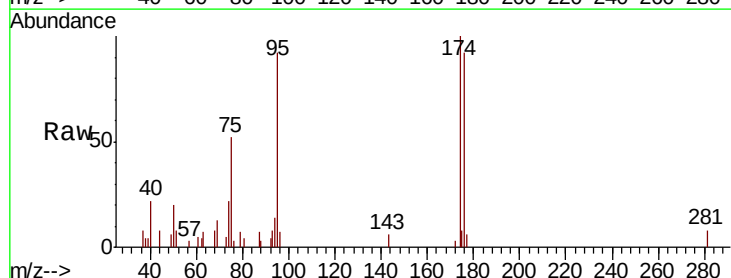
Acq: 19 Aug 2020 02:41

Tgt Ion: 75 Resp: 5302

Ion Ratio Lower Upper

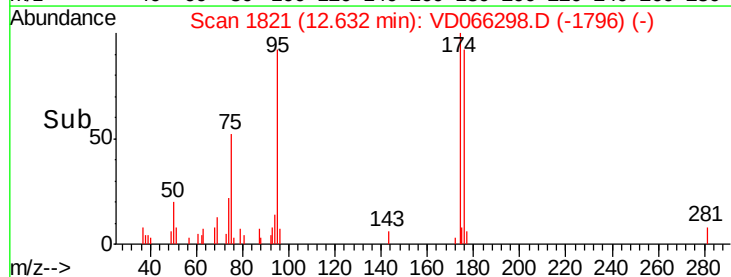
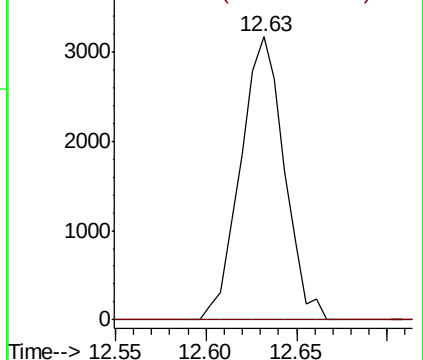
75 100

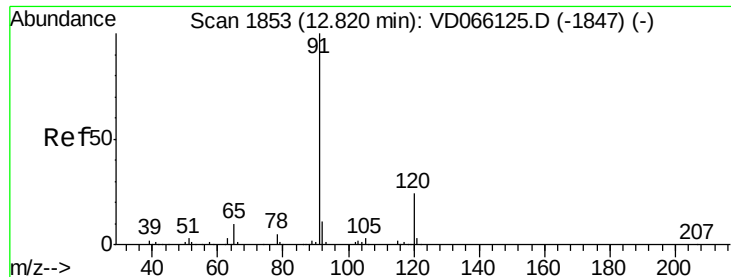
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 1.845 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

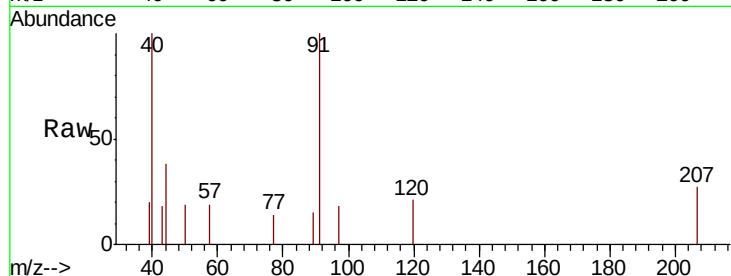
BR-1

Tot Ion: 91 Resp: 1756

Ion Ratio Lower Upper

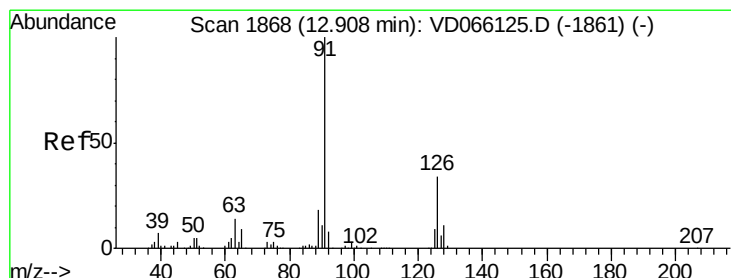
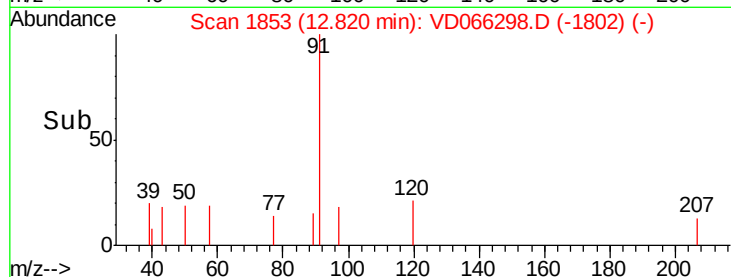
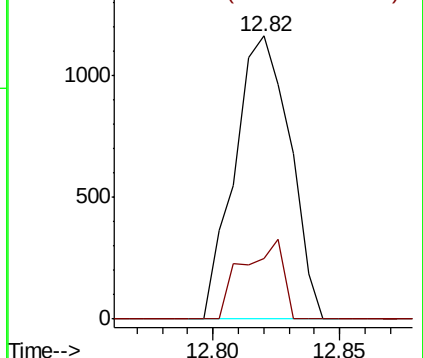
91 100

120 20.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.529 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066298.D

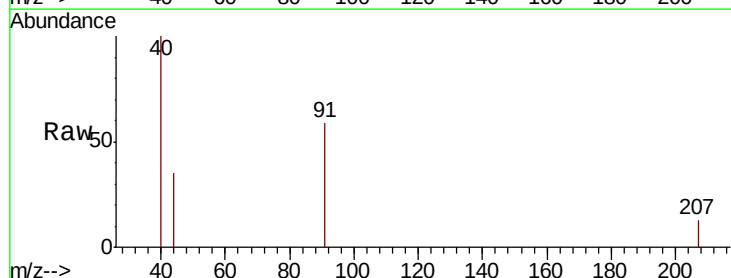
Acq: 19 Aug 2020 02:41

Tgt Ion: 91 Resp: 832

Ion Ratio Lower Upper

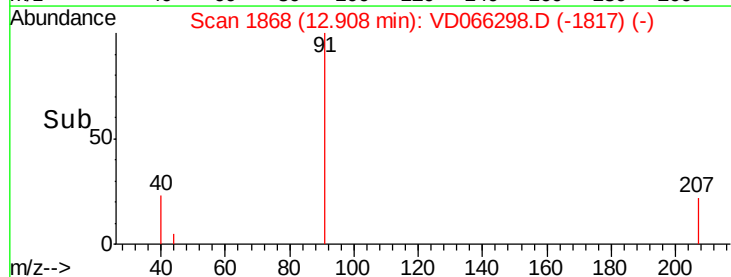
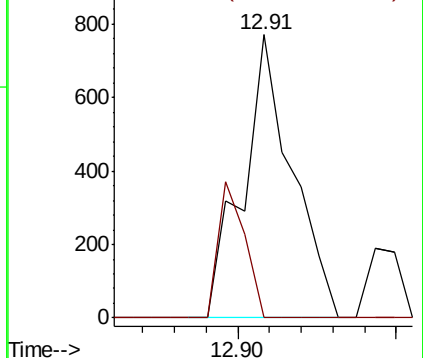
91 100

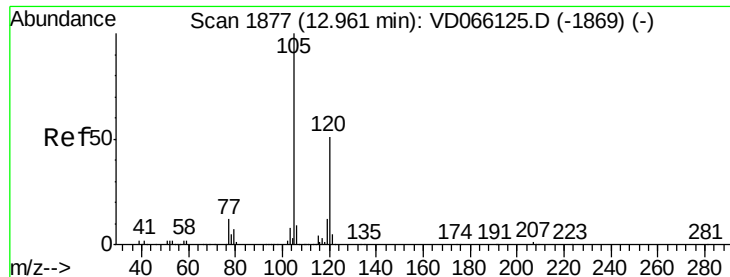
126 25.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

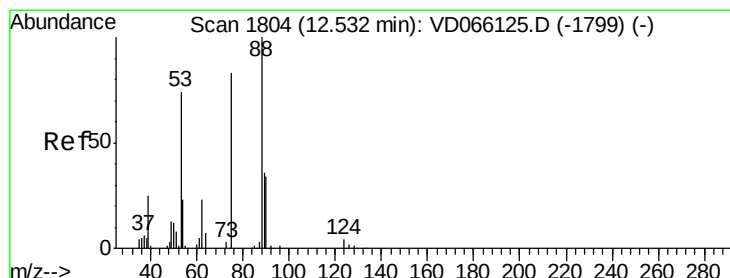
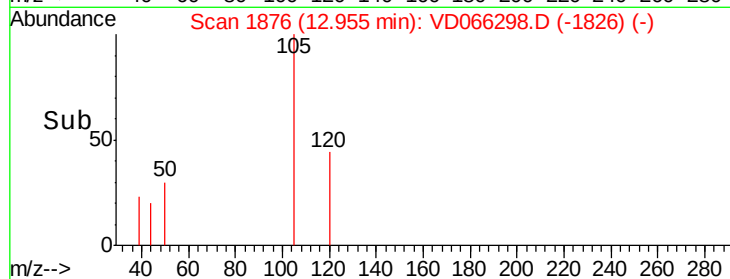
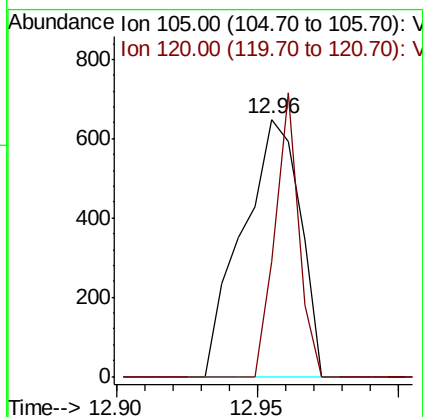
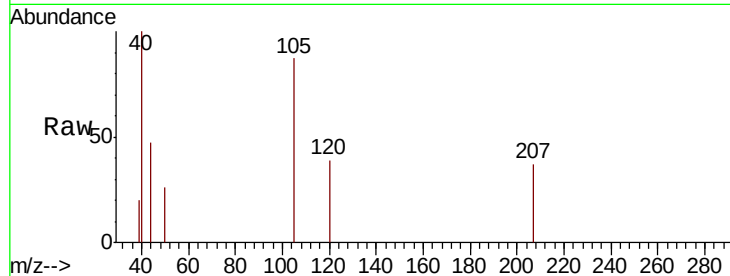




#80
 1,3,5-Trimethylbenzene
 Concen: 1.341 ug/l
 RT: 12.96 min Scan# 1876
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

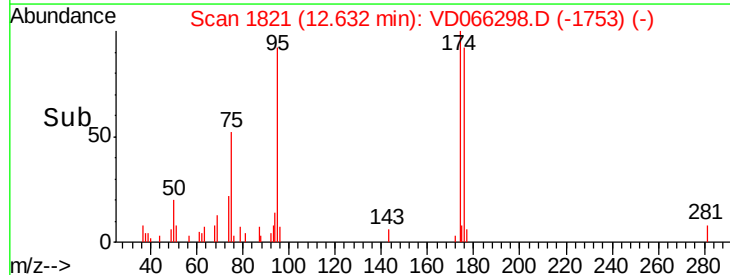
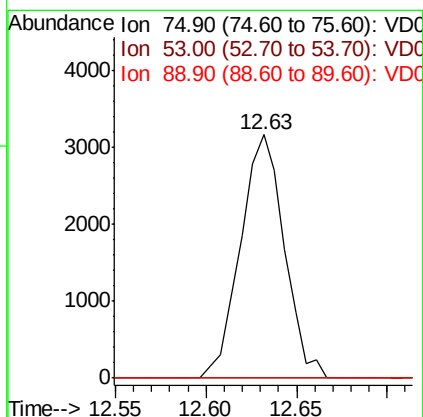
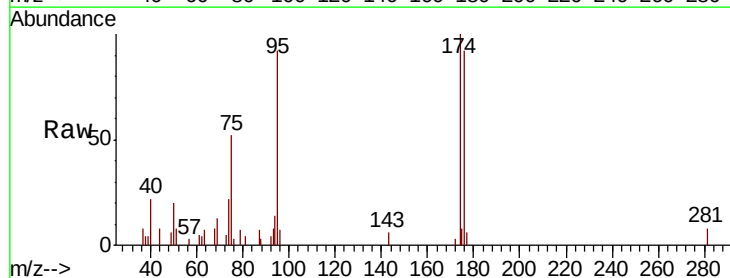
Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

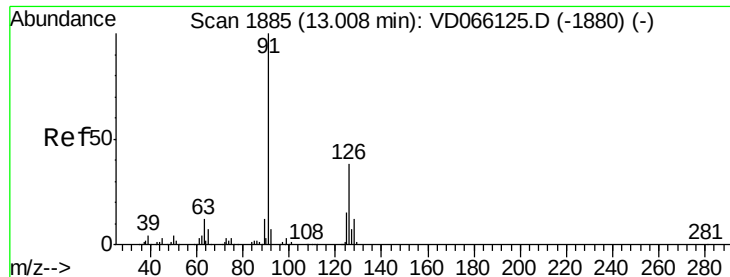
Tot Ion: 105 Resp: 918
 Ion Ratio Lower Upper
 105 100
 120 45.4 25.3 75.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.599 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion: 75 Resp: 5302
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.0 36.6 55.0#





#82

4-Chlorotoluene

Concen: 1.328 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

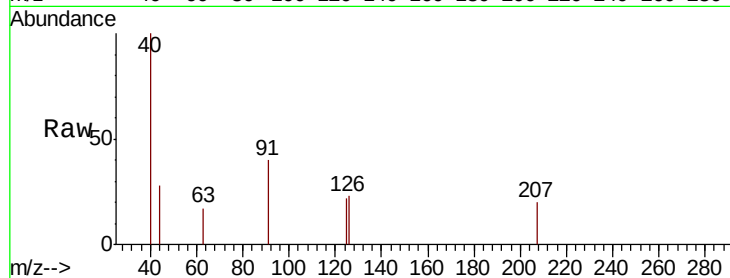
BR-1

Tot Ion: 91 Resp: 763

Ion Ratio Lower Upper

91 100

126 41.2 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

13.01

400

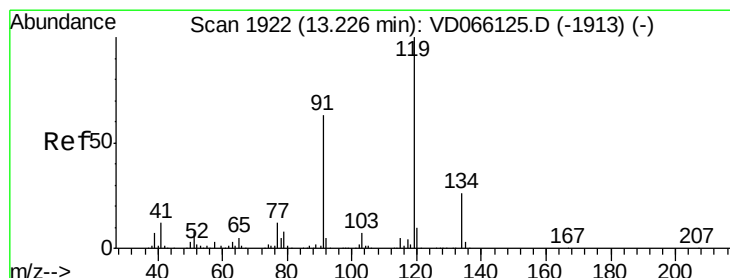
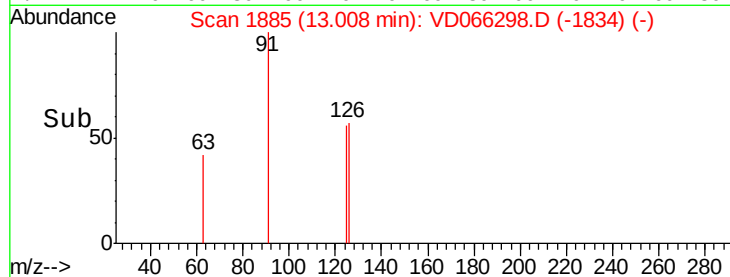
300

200

100

0

Time-->



#83

tert-Butylbenzene

Concen: 1.873 ug/l

RT: 13.22 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

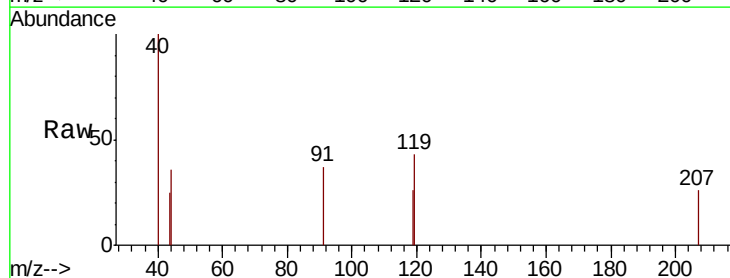
Tgt Ion: 119 Resp: 1128

Ion Ratio Lower Upper

119 100

91 46.7 30.8 92.4

134 5.3 13.6 40.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

800

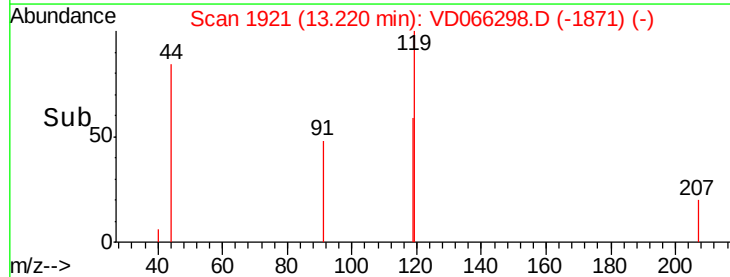
600

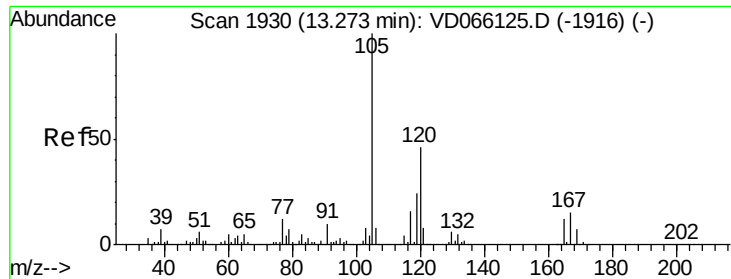
400

200

0

Time-->

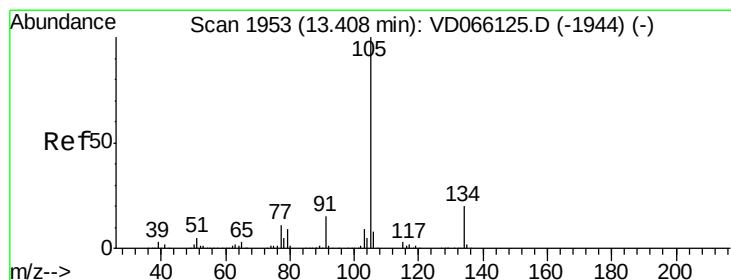
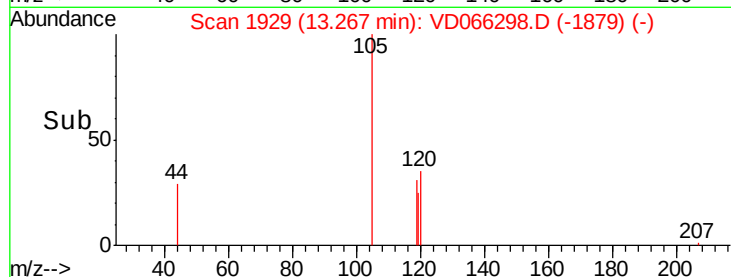
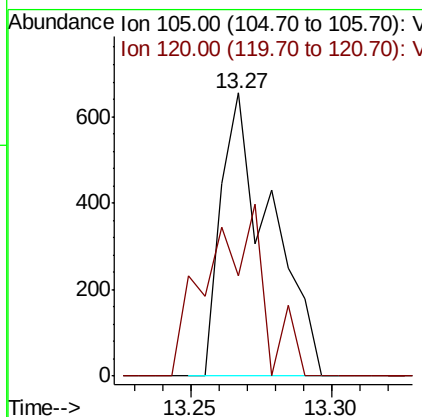
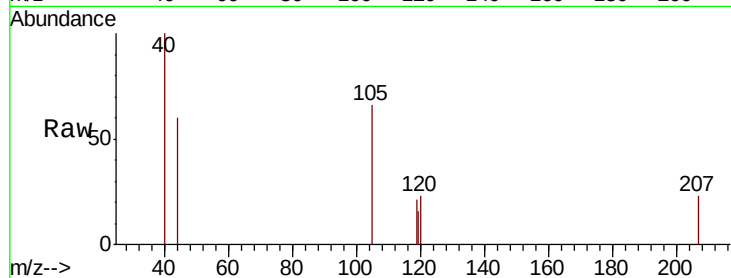




#84
 1,2,4-Trimethylbenzene
 Concen: 1.163 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

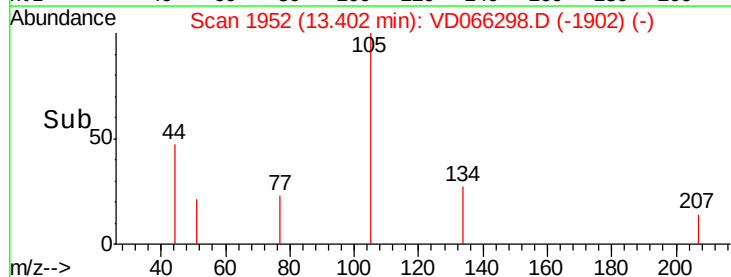
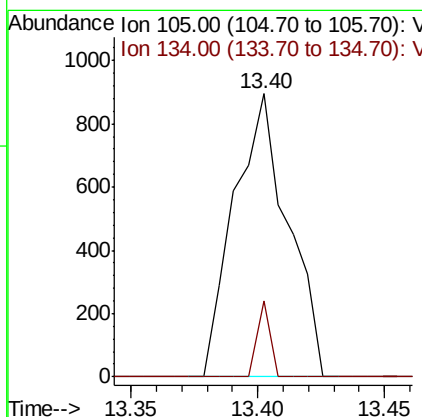
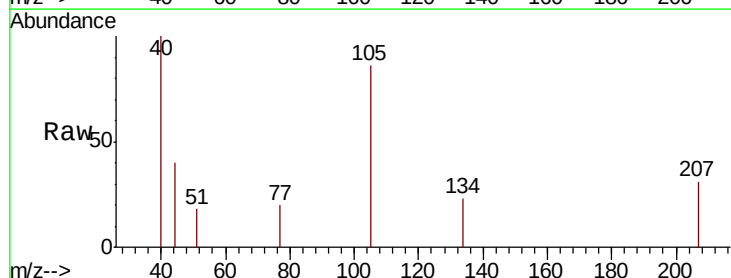
Instrument :
 MSVOA_D
 ClientSampled :
 BR-1

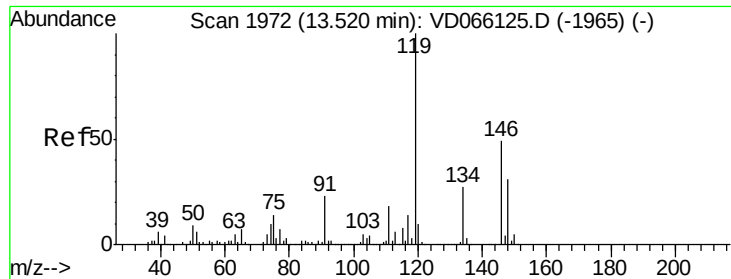
Tot Ion:105 Resp: 797
 Ion Ratio Lower Upper
 105 100
 120 68.6 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 1.632 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion:105 Resp: 1327
 Ion Ratio Lower Upper
 105 100
 134 6.4 10.4 31.4#





#86

p-Isopropyltoluene

Concen: 1.359 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampleId :

BR-1

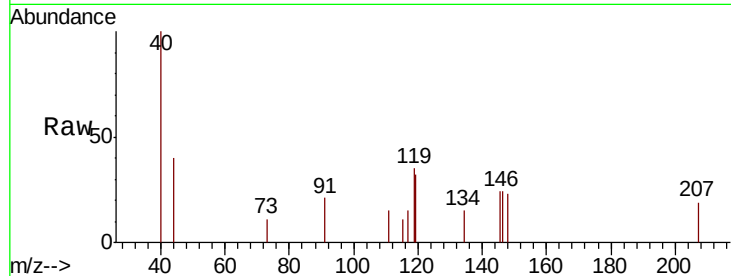
Tot Ion:119 Resp: 1036

Ion Ratio Lower Upper

119 100

134 12.4 13.5 40.4#

91 9.6 11.2 33.5#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1200

1000

800

600

400

200

0

13.50

13.51

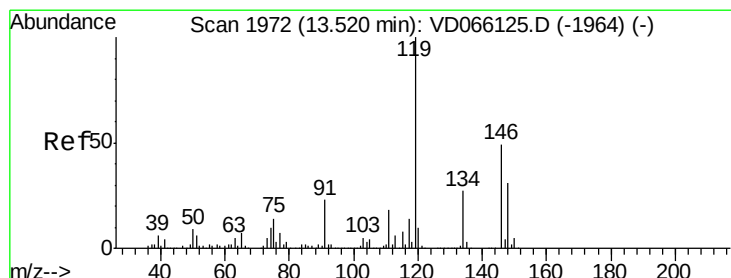
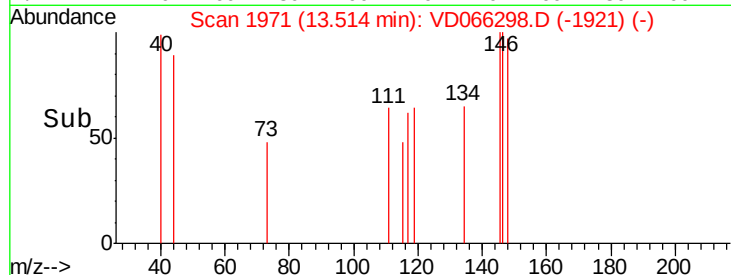
13.52

13.53

13.54

13.55

Time-->



#87

1,3-Dichlorobenzene

Concen: 2.128 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

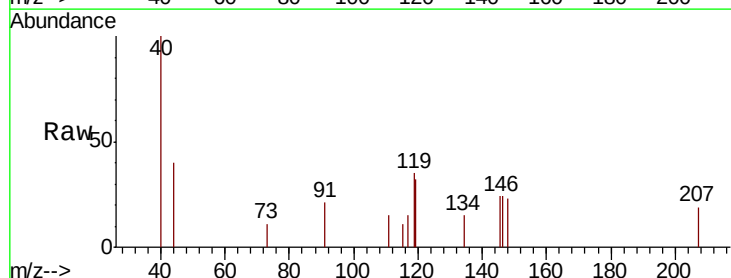
Tgt Ion:146 Resp: 843

Ion Ratio Lower Upper

146 100

111 40.2 18.9 56.9

148 73.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

800

600

400

200

0

13.50

13.51

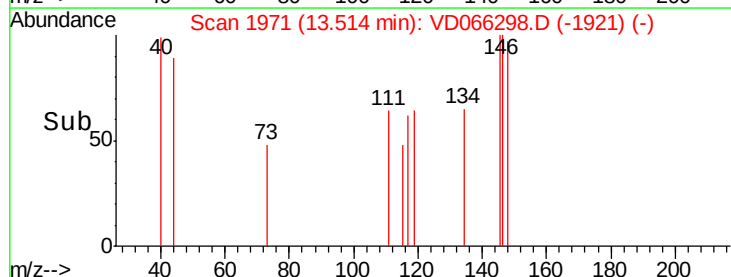
13.52

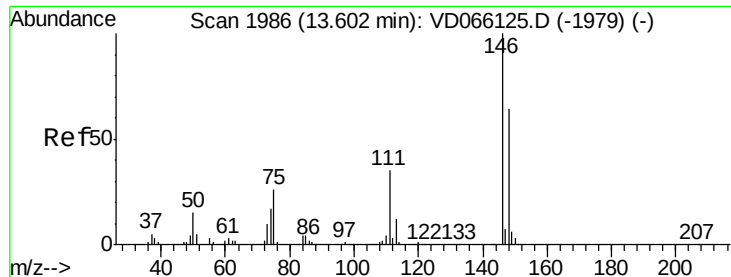
13.53

13.54

13.55

Time-->

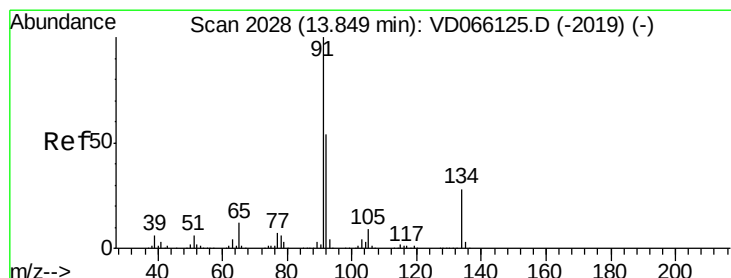
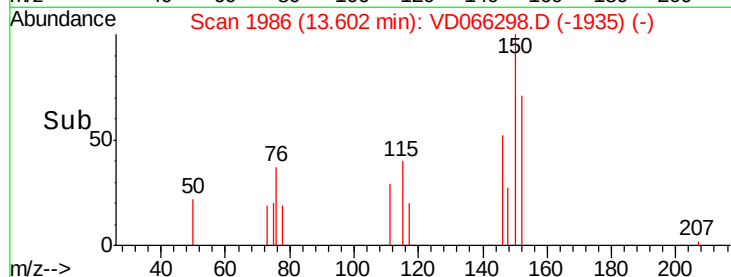
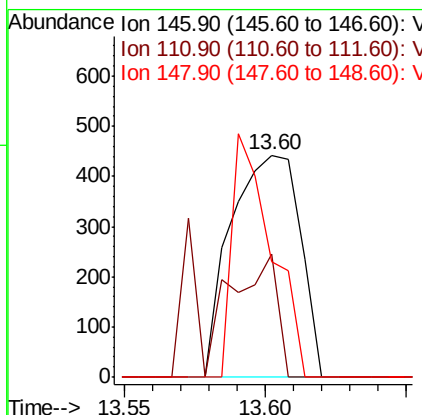
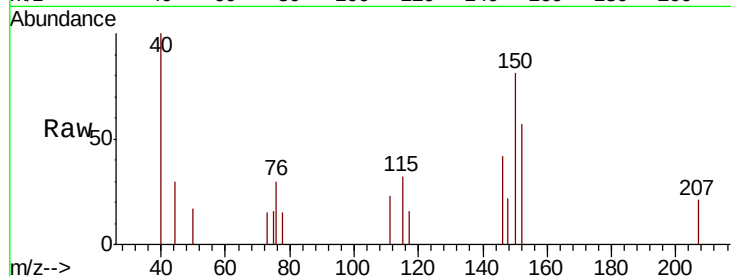




#88
 1,4-Dichlorobenzene
 Concen: 1.901 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

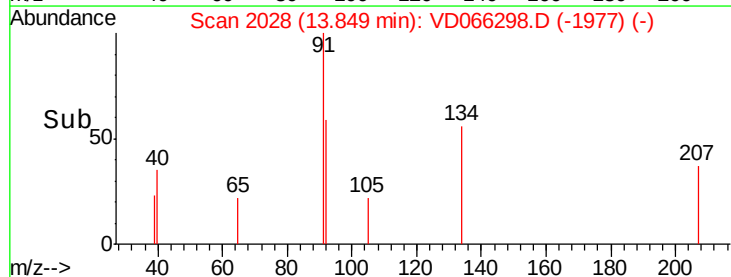
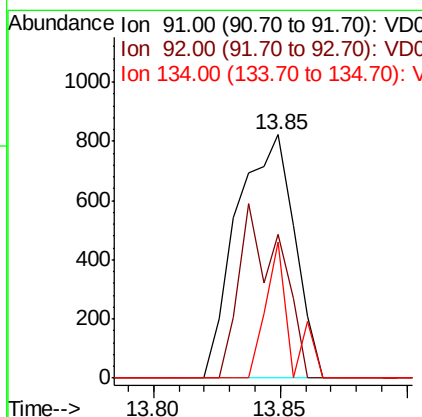
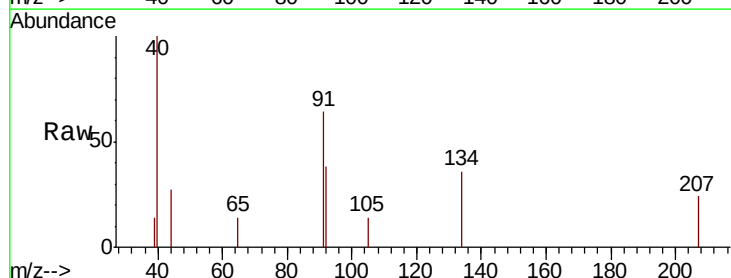
Instrument :
 MSVOA_D
 ClientSampled :
 BR-1

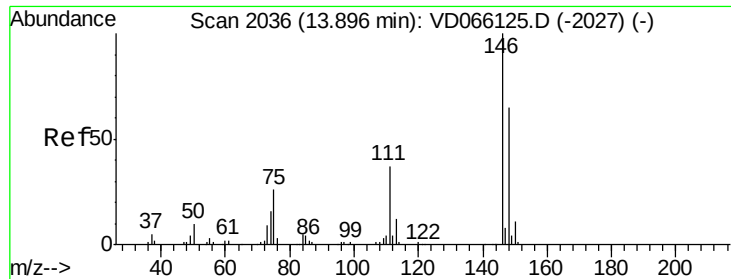
Tot Ion:146 Resp: 751
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 62.5 32.4 97.0



#89
 n-Butylbenzene
 Concen: 1.910 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion: 91 Resp: 1305
 Ion Ratio Lower Upper
 91 100
 92 50.6 26.8 80.3
 134 23.5 14.0 41.9

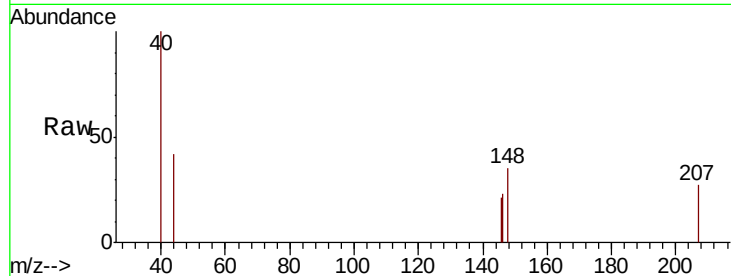




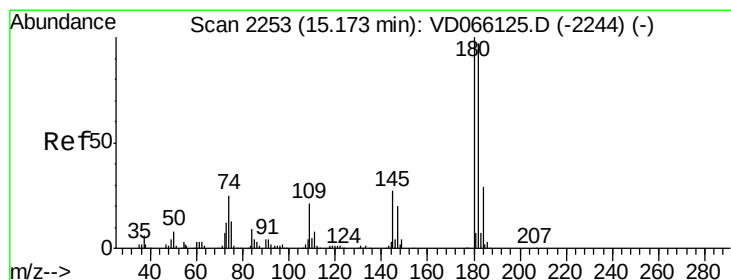
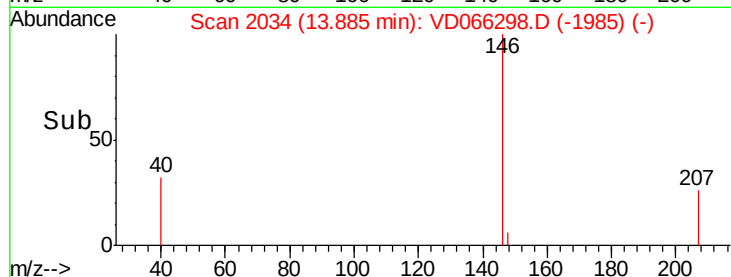
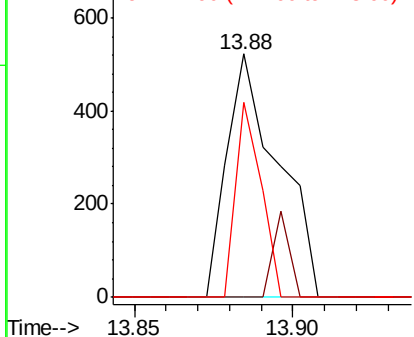
#91
 1,2-Dichlorobenzene
 Concen: 1.662 ug/l
 RT: 13.88 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Tot Ion	Ratio	Lower	Upper
146	100		
111	11.2	18.8	56.3#
148	39.2	31.9	95.5

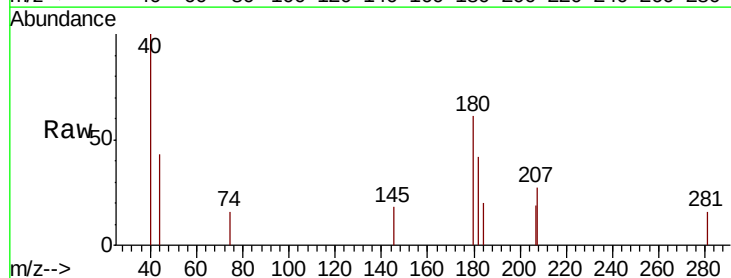


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

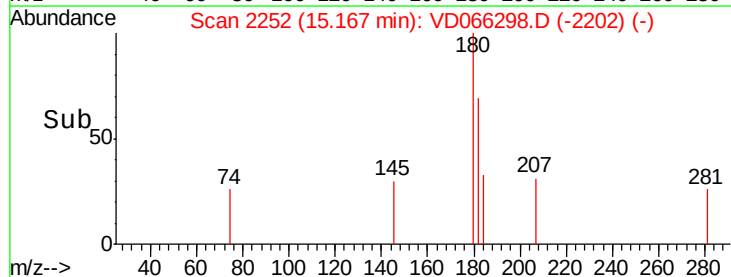
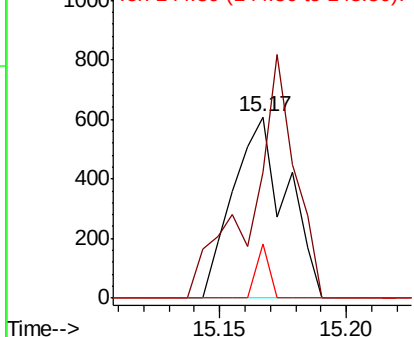


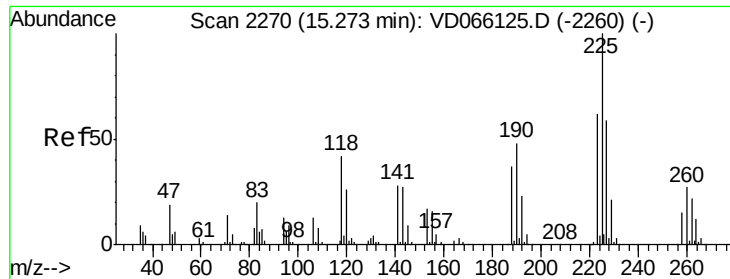
#93
 1,2,4-Trichlorobenzene
 Concen: 3.456 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	110.3	47.4	142.2
145	7.2	14.5	43.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 3.335 ug/l

RT: 15.27 min Scan# 2269

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

Instrument :

MSVOA_D

ClientSampled :

BR-1

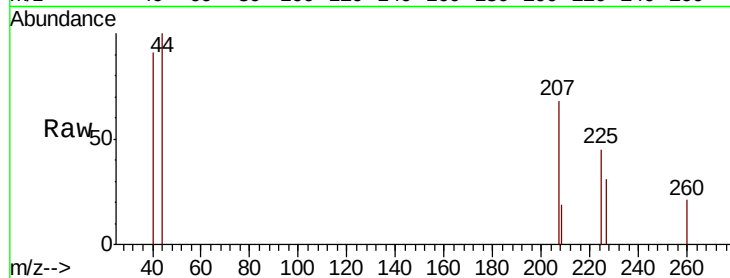
Tot Ion:225 Resp: 507

Ion Ratio Lower Upper

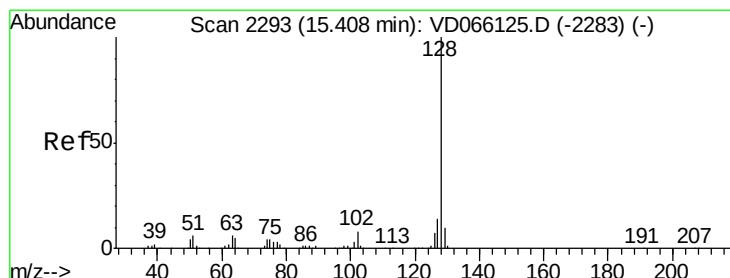
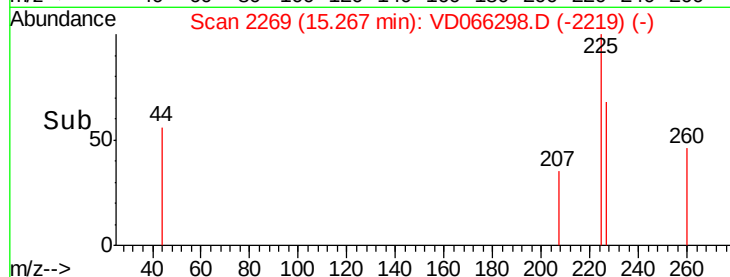
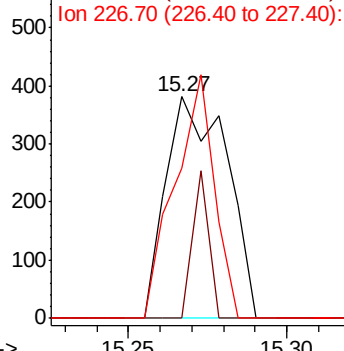
225 100

223 17.8 32.3 96.9#

227 71.2 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.122 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD066298.D

Acq: 19 Aug 2020 02:41

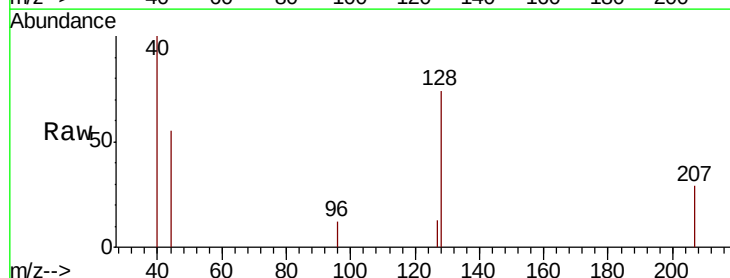
Tgt Ion:128 Resp: 1313

Ion Ratio Lower Upper

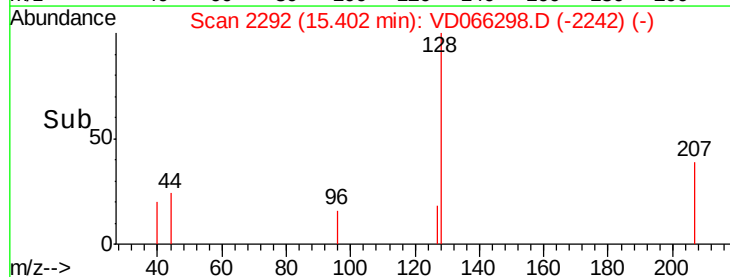
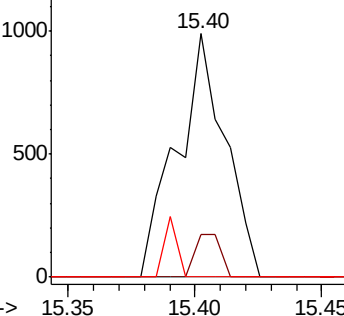
128 100

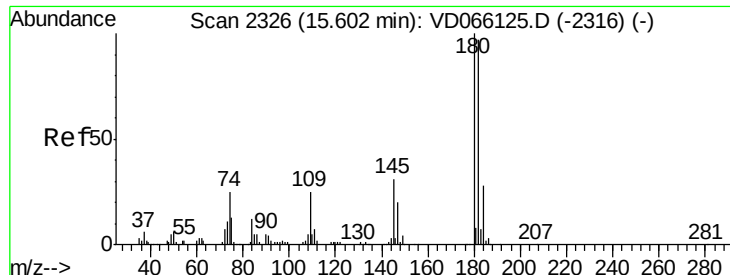
127 9.3 11.0 16.4#

129 6.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

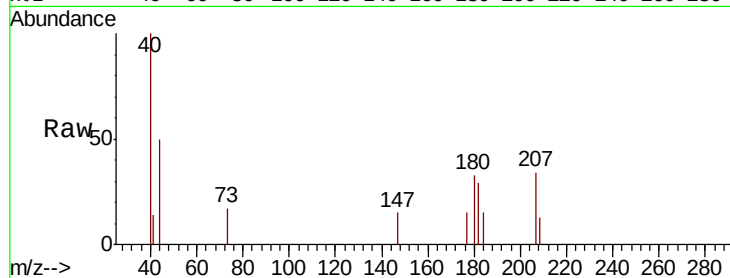




#96
 1,2,3-Trichlorobenzene
 Concen: 2.901 ug/l
 RT: 15.60 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: VD066298.D
 Acq: 19 Aug 2020 02:41

Instrument :
 MSVOA_D
 ClientSampleId :
 BR-1

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.7	47.1	141.4
145	0.0	14.9	44.9#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

