

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066753.D
 Acq On : 17 Sep 2020 19:13
 Operator : VA/SY
 Sample : L4051-04
 Misc : 7.15G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-IB-02-1-2

Quant Time: Sep 18 01:17:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	335902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	505093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152664	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	212704	59.35	ug/l	0.00
Spiked Amount			Recovery	=	118.70%	
35) Dibromofluoromethane	7.91	113	215704	57.78	ug/l	0.00
Spiked Amount			Recovery	=	115.56%	
50) Toluene-d8	10.34	98	721004	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.63	95	188815	41.13	ug/l	0.00
Spiked Amount			Recovery	=	82.26%	

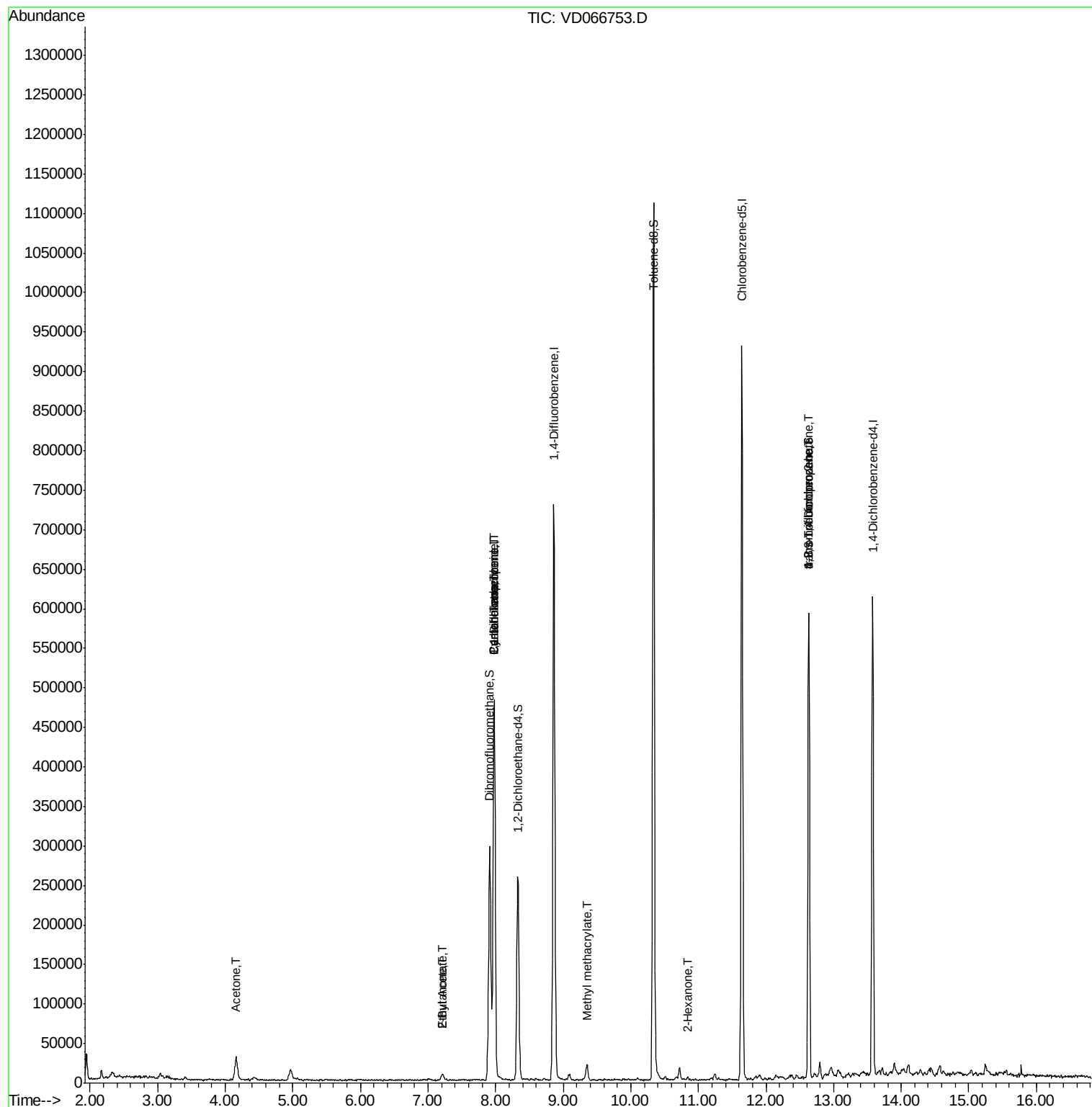
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.20	59	70	Below Cal	#	76
16) Acetone	4.16	43	50526	69.231	ug/l #	89
18) Methyl Acetate	4.73	43	119	Below Cal	#	52
20) Methylene Chloride	4.96	84	9050	Below Cal		94
25) 2-Butanone	7.21	43	12907	13.582	ug/l #	80
31) Cyclohexane	7.98	56	12608	1.992	ug/l #	59
36) 1,1-Dichloropropene	7.99	75	29629	4.733	ug/l #	51
37) Ethyl Acetate	7.21	43	12907	5.446	ug/l #	70
38) Carbon Tetrachloride	7.98	117	38942	5.858	ug/l #	16
48) Methyl methacrylate	9.34	41	3928	1.731	ug/l #	75
59) 2-Hexanone	10.85	43	1622	1.051	ug/l	87
76) 1,2,3-Trichloropropane	12.63	75	104123	79.681	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	104123	171.966	ug/l #	8

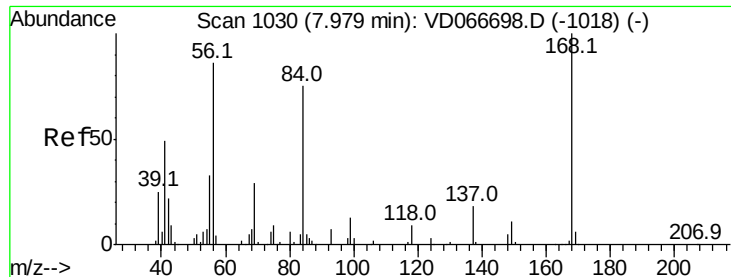
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091720\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

Instrument :

MSVOA_D

ClientSampleId :

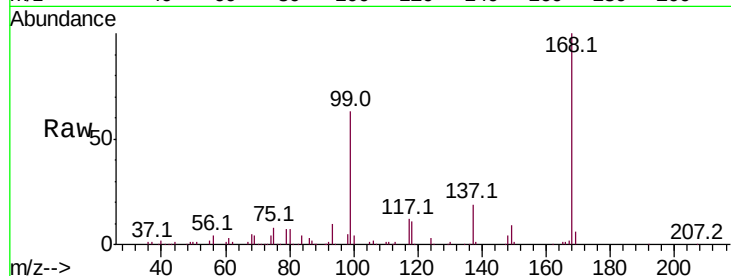
KTS-IB-02-1-2

Tot Ion:168 Resp: 335902

Ion Ratio Lower Upper

168 100

99 62.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

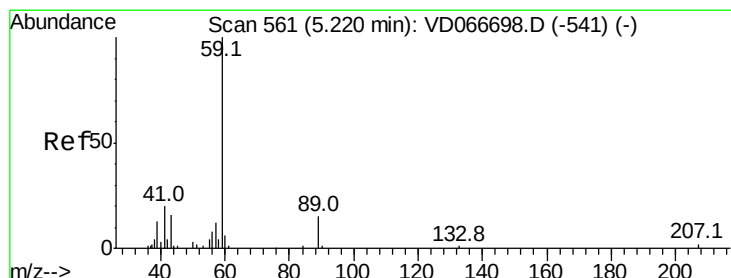
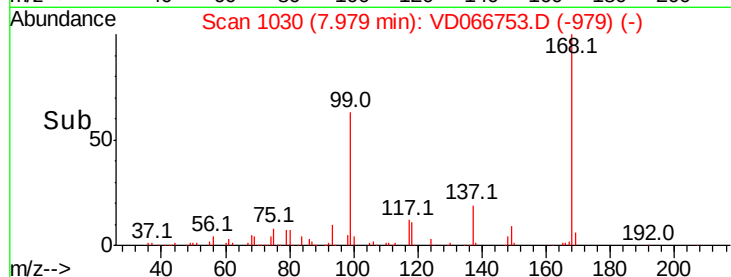
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.20 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD066753.D

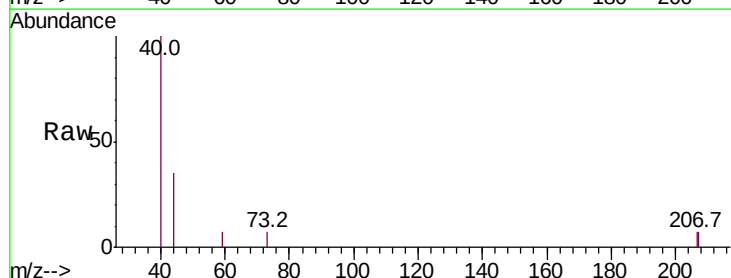
Acq: 17 Sep 2020 19:13

Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.20

200

150

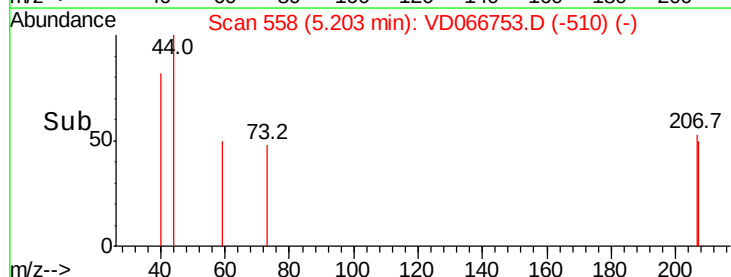
100

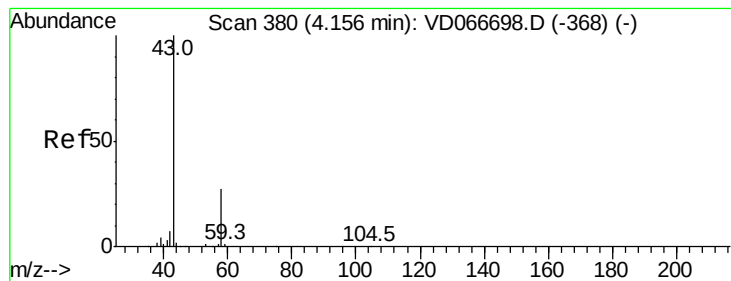
50

0

Time-->

5.18 5.19 5.20 5.21 5.22





#16

Acetone

Concen: 69.231 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

Instrument :

MSVOA_D

ClientSampleId :

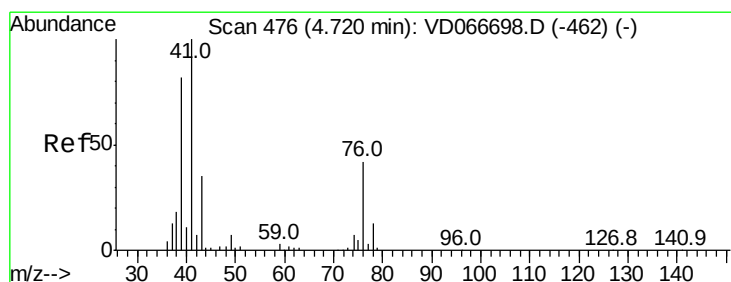
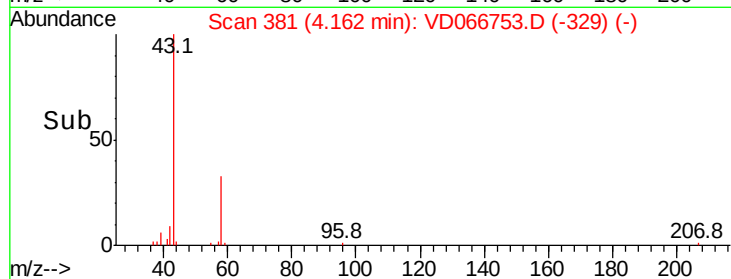
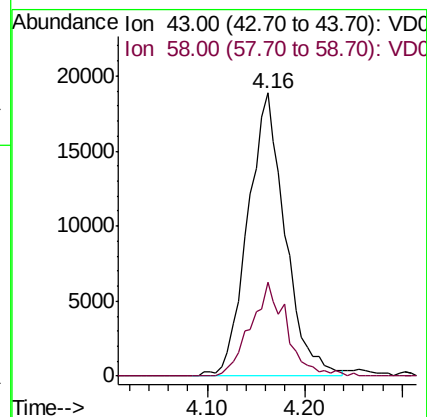
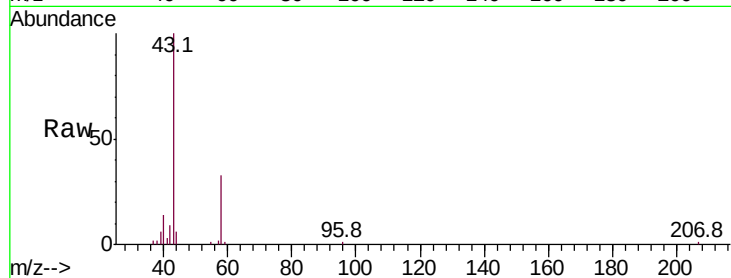
KTS-IB-02-1-2

Tot Ion: 43 Resp: 50526

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD066753.D

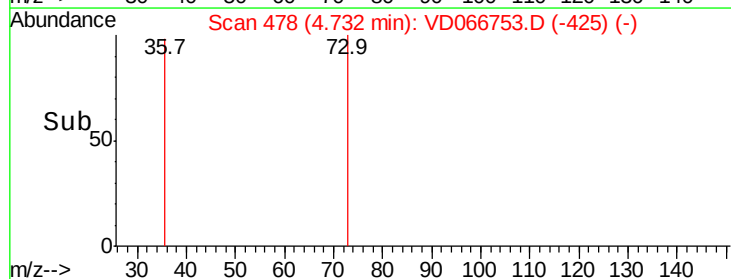
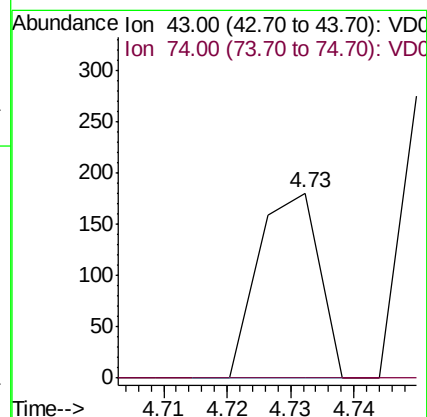
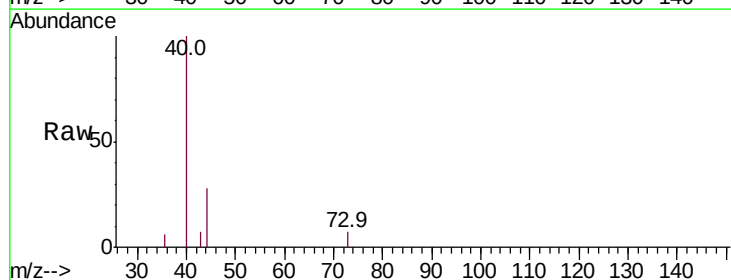
Acq: 17 Sep 2020 19:13

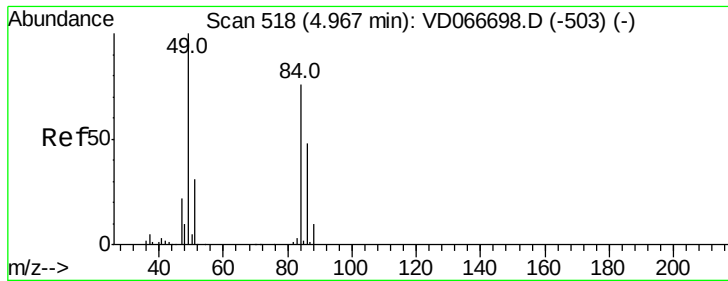
Tgt Ion: 43 Resp: 119

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#

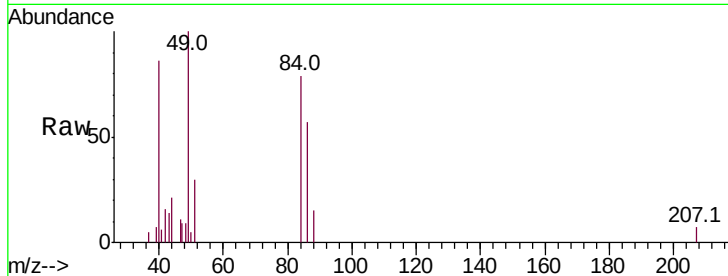




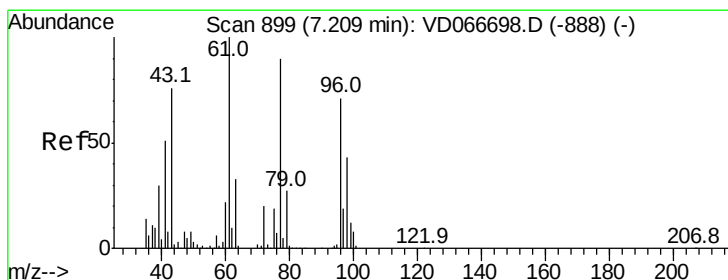
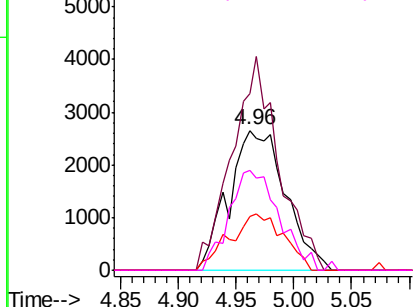
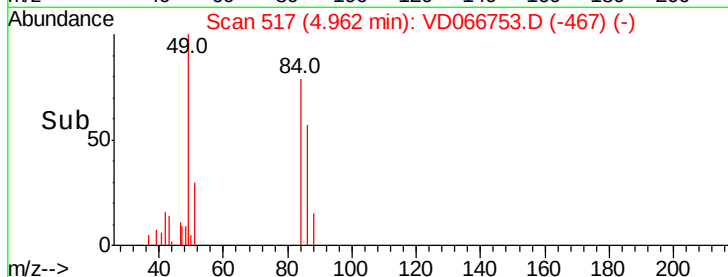
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

Instrument :
MSVOA_D
ClientSampleId :
KTS-IB-02-1-2

Tot Ion: 84 Resp: 9050
Ion Ratio Lower Upper
84 100
49 126.6 105.0 157.6
51 38.5 32.2 48.4
86 71.8 50.4 75.6

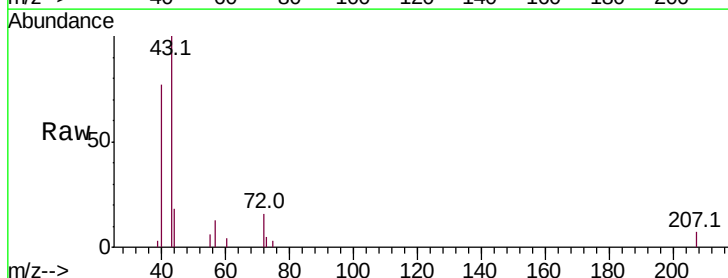


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

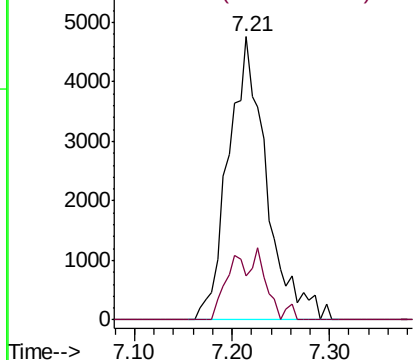
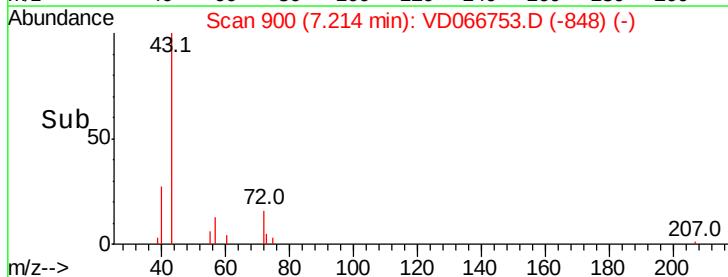


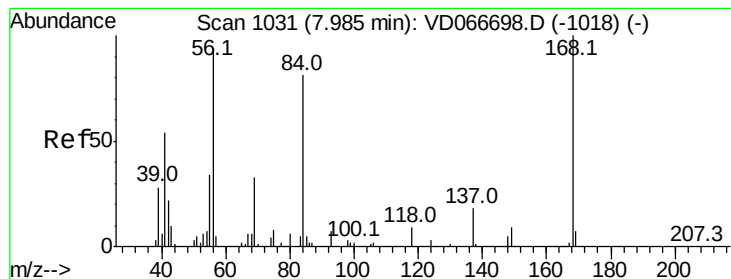
#25
2-Butanone
Concen: 13.582 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

Tgt Ion: 43 Resp: 12907
Ion Ratio Lower Upper
43 100
72 15.7 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC





#31

Cyclohexane

Concen: 1.992 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

Instrument :

MSVOA_D

ClientSampleId :

KTS-IB-02-1-2

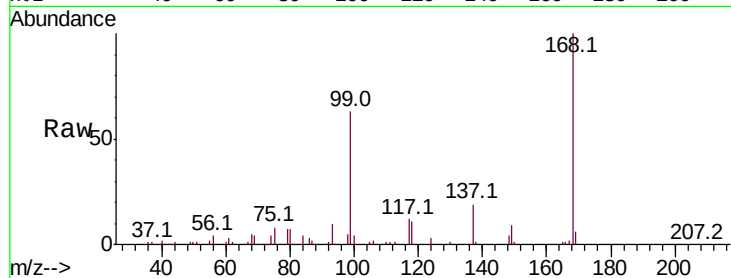
Tot Ion: 56 Resp: 12608

Ion Ratio Lower Upper

56 100

69 105.2 27.7 41.5#

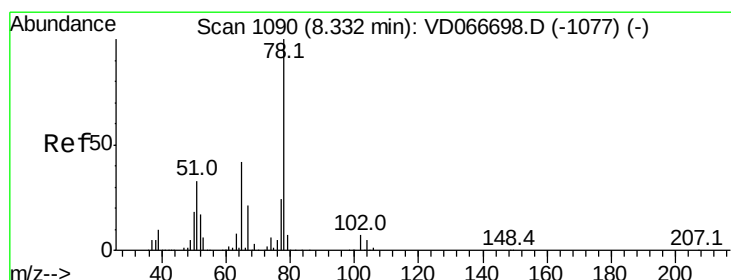
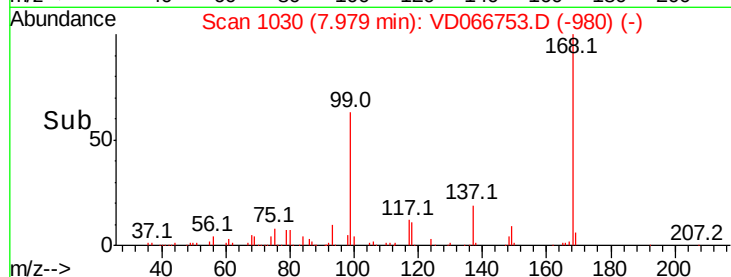
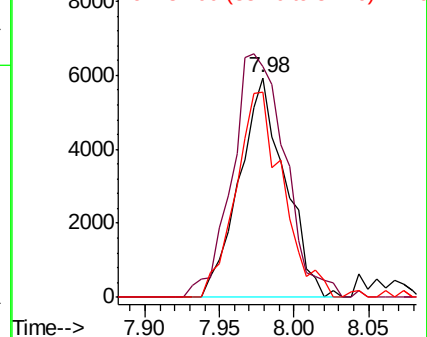
84 93.3 68.5 102.7



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 59.350 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066753.D

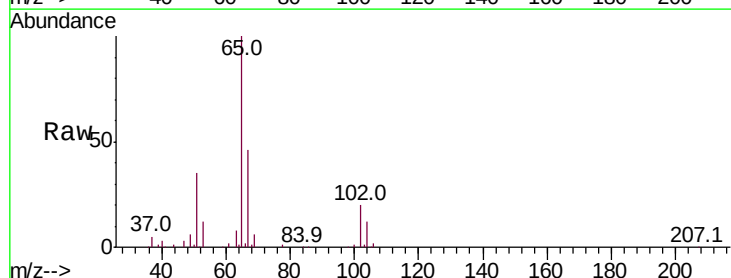
Acq: 17 Sep 2020 19:13

Tgt Ion: 65 Resp: 212704

Ion Ratio Lower Upper

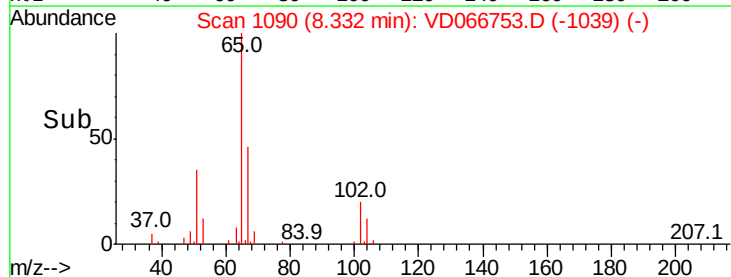
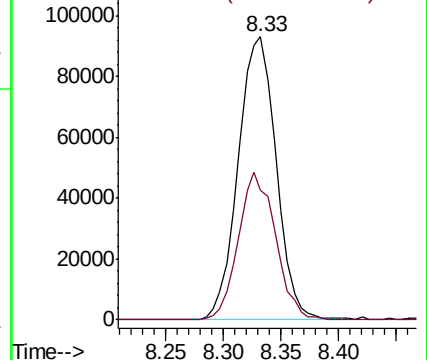
65 100

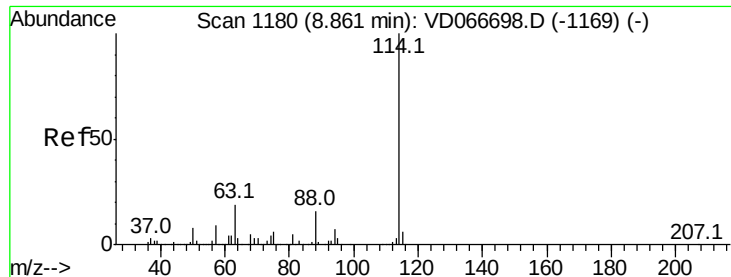
67 51.1 0.0 102.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

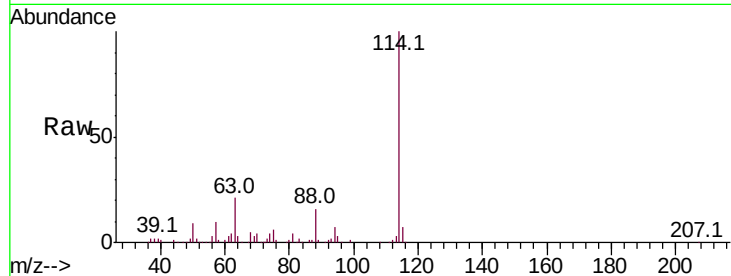




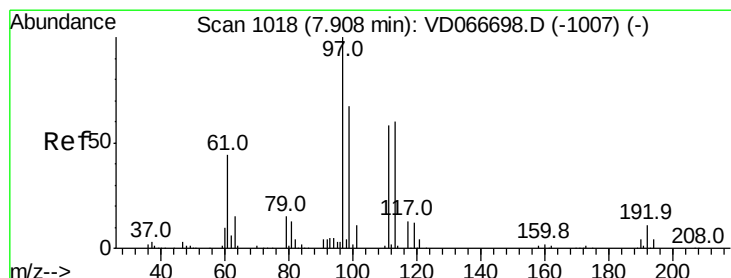
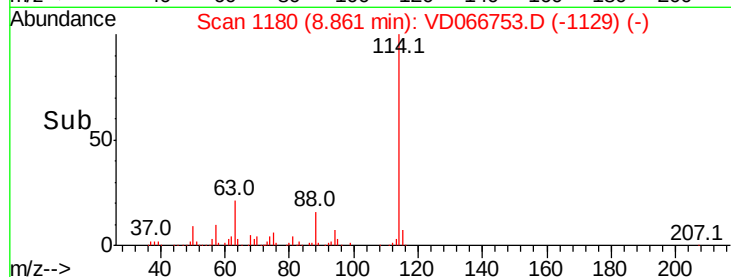
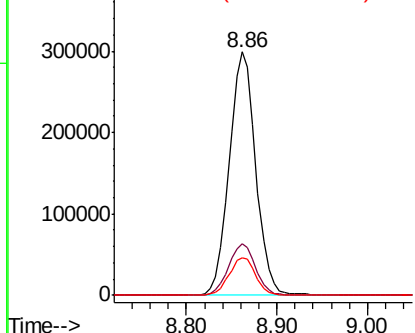
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.86 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

Instrument :
MSVOA_D
ClientSampleId :
KTS-IB-02-1-2

Tot Ion:114 Resp: 608866
Ion Ratio Lower Upper
114 100
63 21.3 0.0 37.6
88 15.6 0.0 32.2

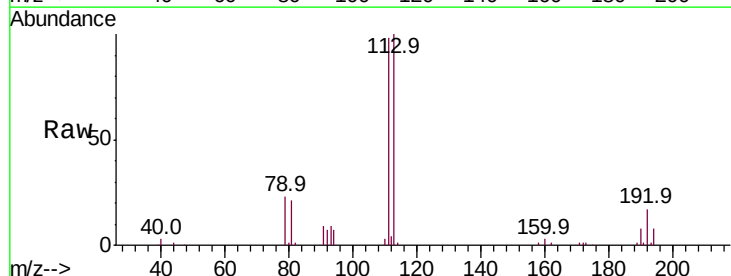


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

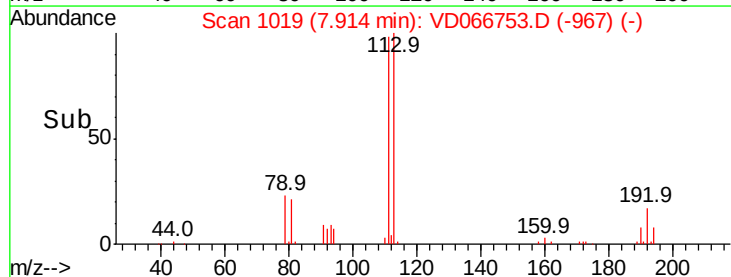
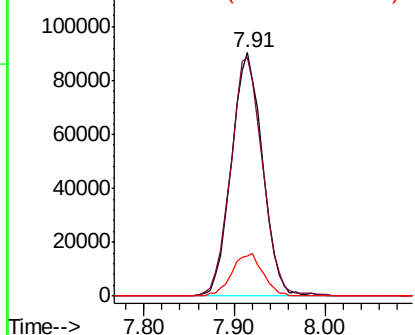


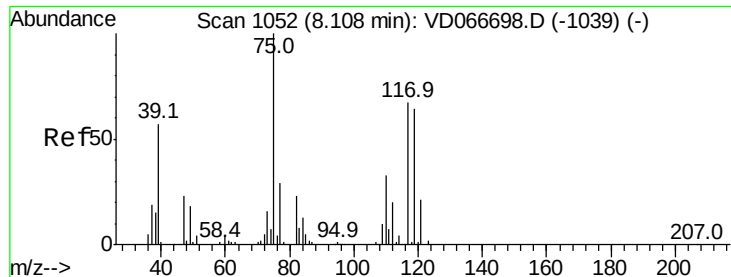
#35
Dibromofluoromethane
Concen: 57.784 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

Tgt Ion:113 Resp: 215704
Ion Ratio Lower Upper
113 100
111 100.4 83.2 124.8
192 17.7 14.8 22.2



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: 4.733 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.12 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

Instrument :

MSVOA_D

ClientSampleId :

KTS-IB-02-1-2

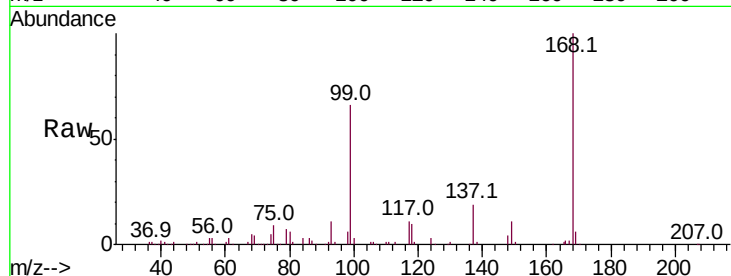
Tot Ion: 75 Resp: 29629

Ion Ratio Lower Upper

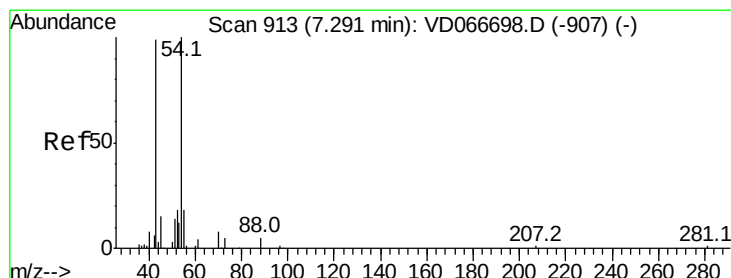
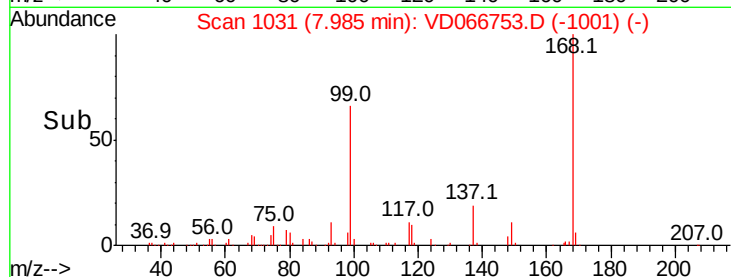
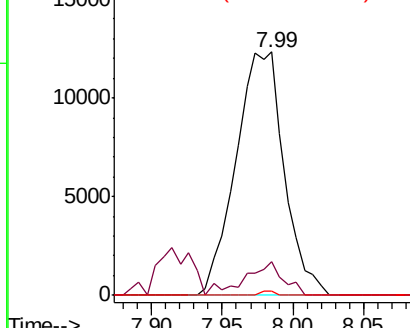
75 100

110 9.8 17.1 51.2#

77 0.5 25.0 37.6#



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



#37

Ethyl Acetate

Concen: 5.446 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.08 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

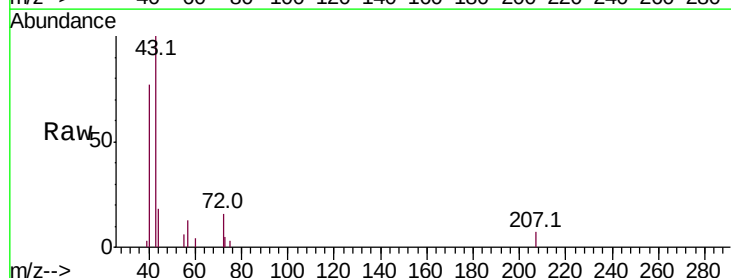
Tgt Ion: 43 Resp: 12907

Ion Ratio Lower Upper

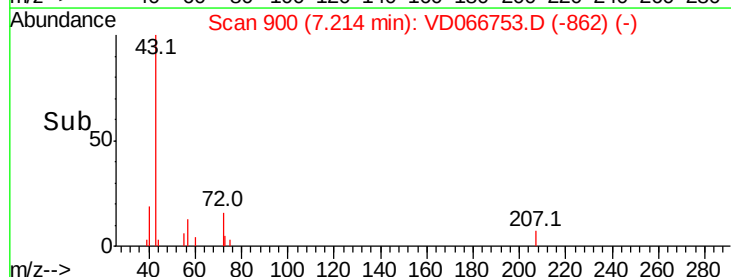
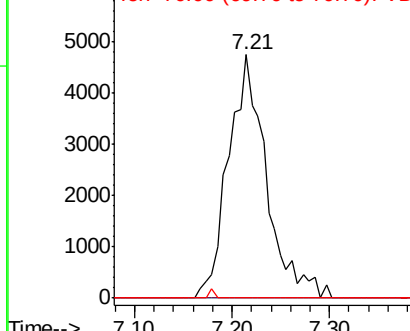
43 100

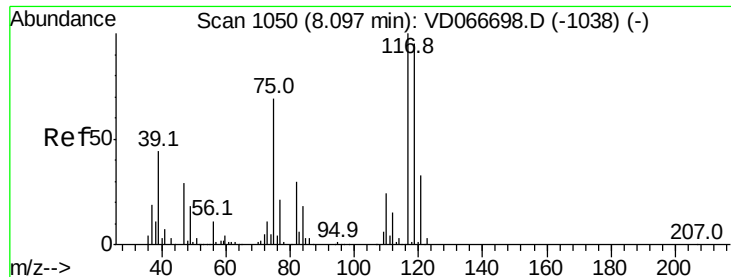
61 0.0 10.4 15.6#

70 0.0 7.5 11.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.858 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

Instrument :

MSVOA_D

ClientSampleId :

KTS-IB-02-1-2

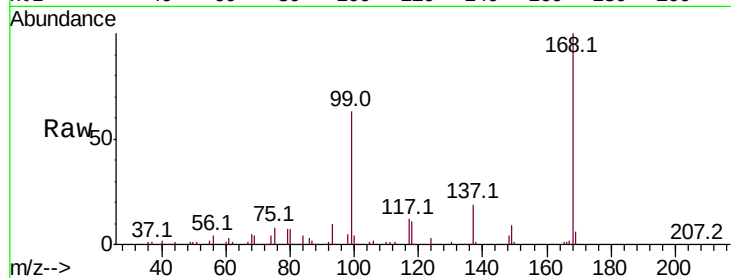
Tot Ion:117 Resp: 38942

Ion Ratio Lower Upper

117 100

119 4.2 75.8 113.6#

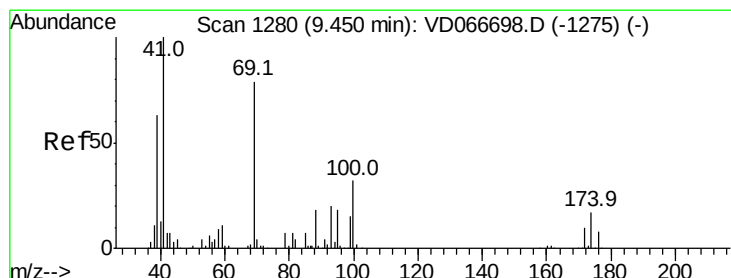
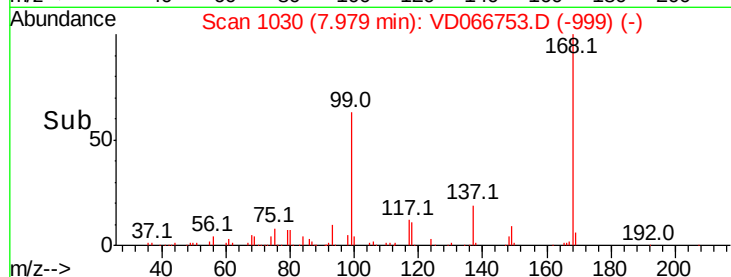
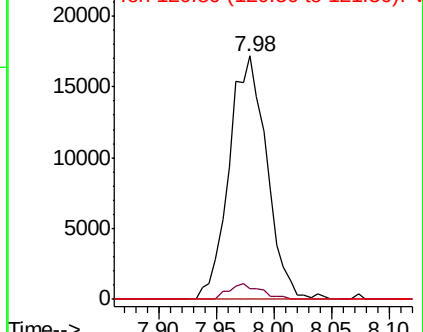
121 0.0 26.2 39.4#



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



#48

Methyl methacrylate

Concen: 1.731 ug/l

RT: 9.34 min Scan# 1262

Delta R.T. -0.11 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

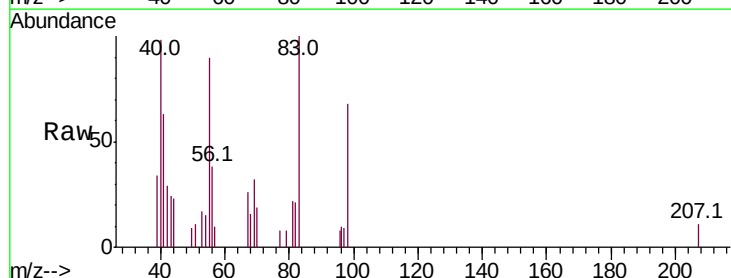
Tgt Ion: 41 Resp: 3928

Ion Ratio Lower Upper

41 100

69 50.1 62.4 93.6#

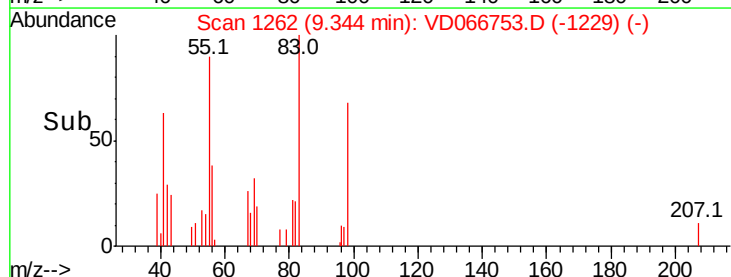
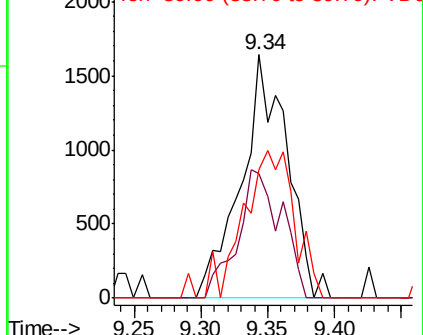
39 67.3 44.8 67.2#

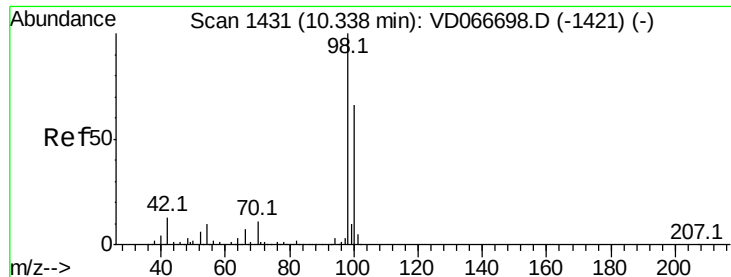


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

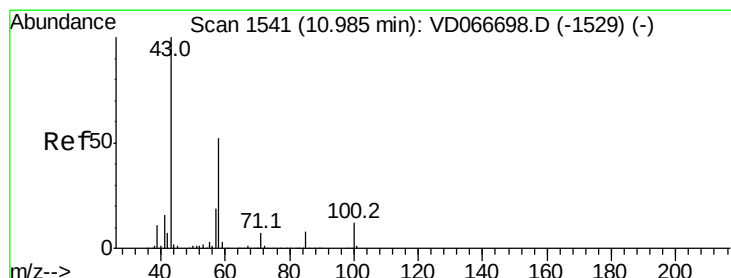
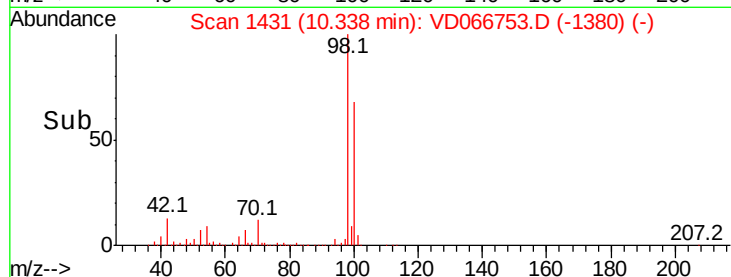
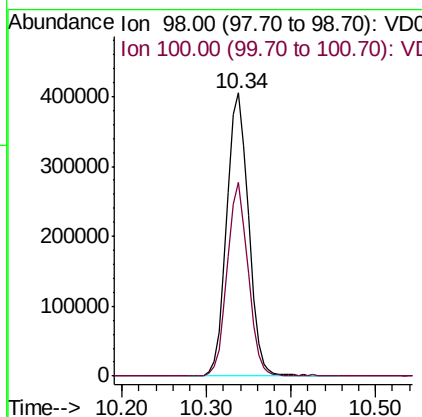
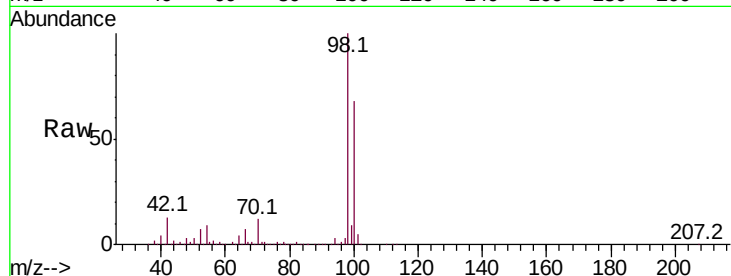




#50
Toluene-d8
Concen: 54.213 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

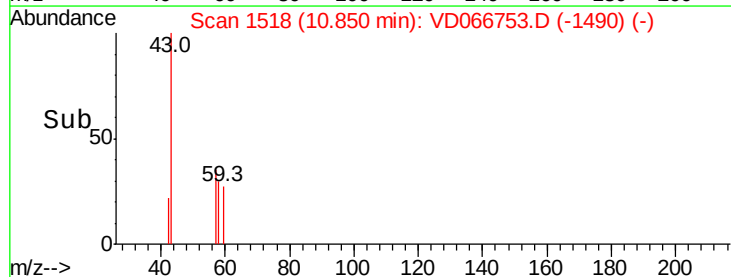
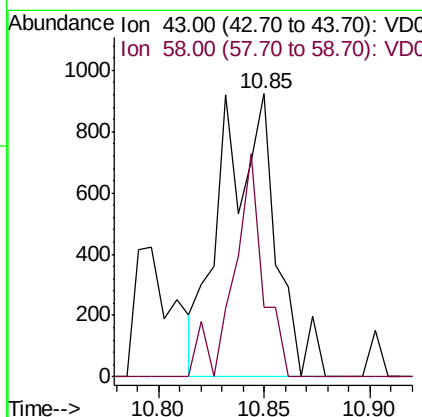
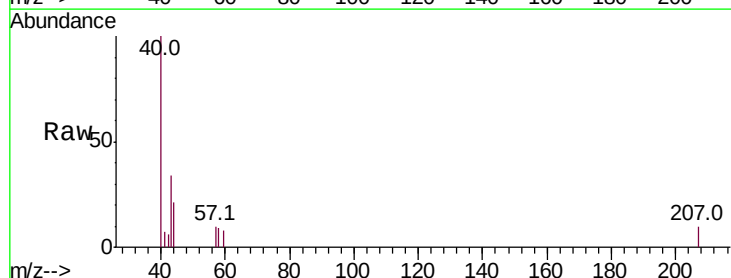
Instrument :
MSVOA_D
ClientSampleId :
KTS-IB-02-1-2

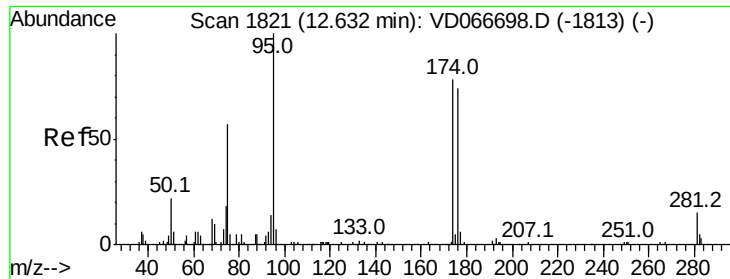
Tot Ion: 98 Resp: 721004
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1



#59
2-Hexanone
Concen: 1.051 ug/l
RT: 10.85 min Scan# 1518
Delta R.T. -0.14 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

Tgt Ion: 43 Resp: 1622
Ion Ratio Lower Upper
43 100
58 43.2 26.2 78.5

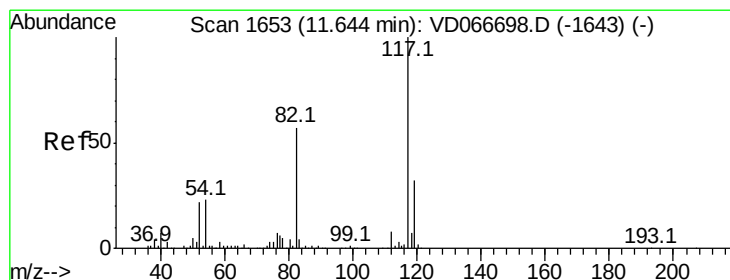
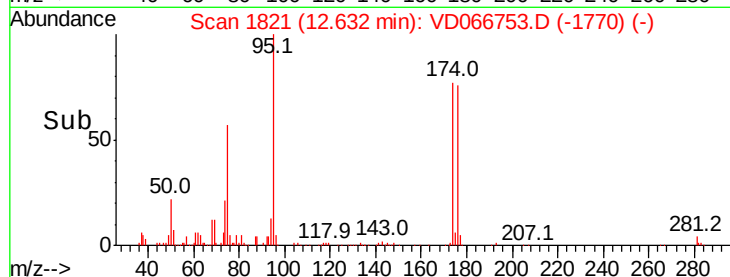
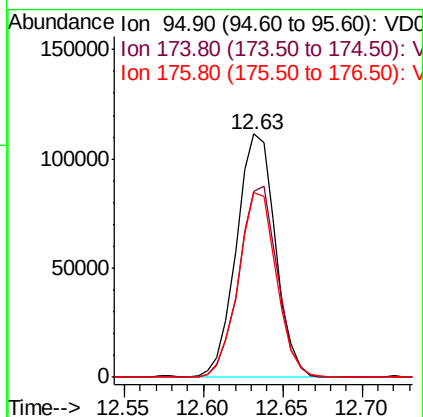
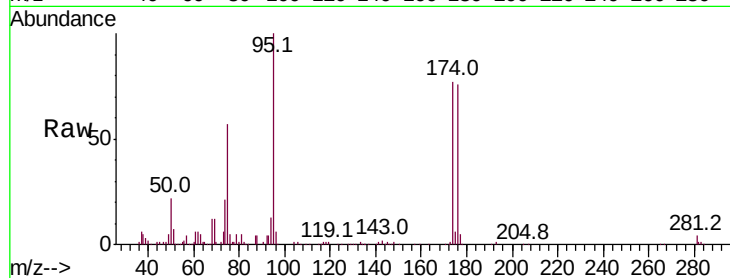




#62
4-Bromofluorobenzene
Concen: 41.129 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

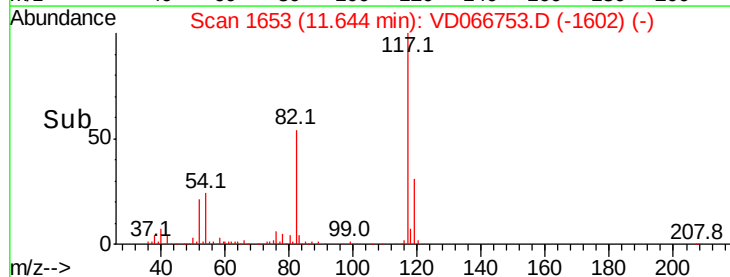
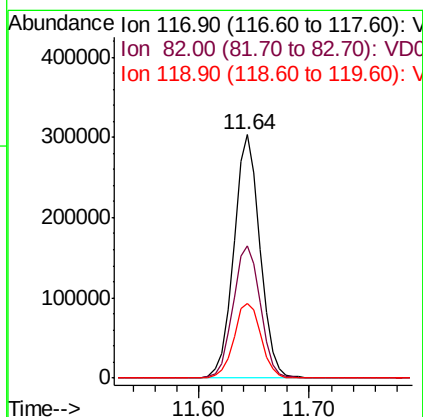
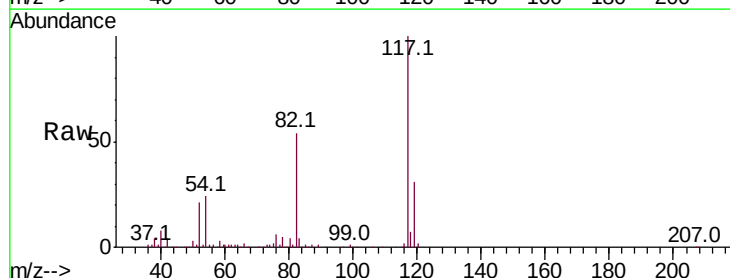
Instrument :
MSVOA_D
ClientSampleId :
KTS-IB-02-1-2

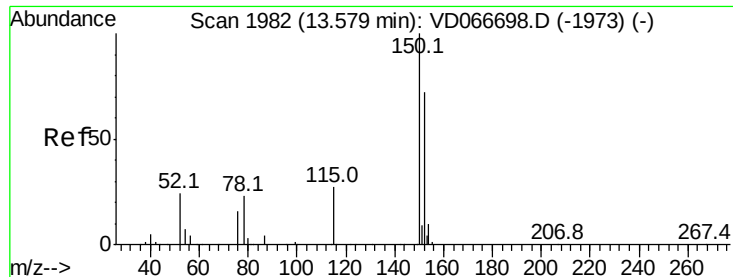
Tot Ion: 95 Resp: 188815
Ion Ratio Lower Upper
95 100
174 77.7 0.0 156.6
176 74.8 0.0 150.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066753.D
Acq: 17 Sep 2020 19:13

Tgt Ion: 117 Resp: 505093
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.0
119 30.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

Instrument :

MSVOA_D

ClientSampleId :

KTS-IB-02-1-2

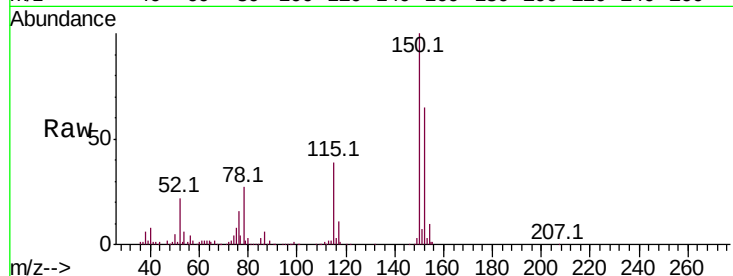
Tot Ion:152 Resp: 152664

Ion Ratio Lower Upper

152 100

115 60.7 30.5 91.5

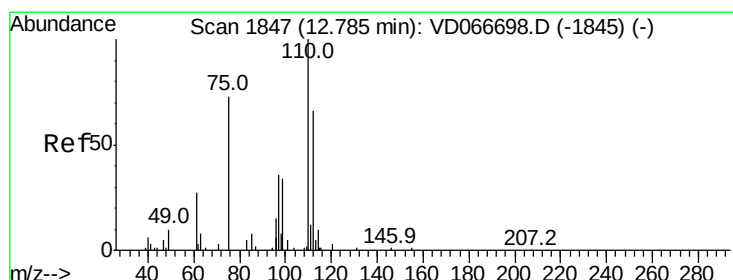
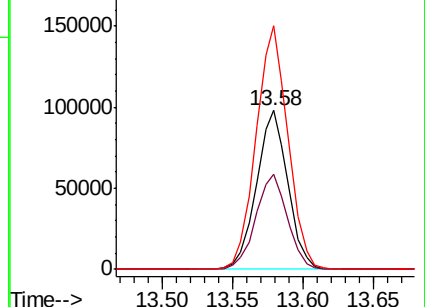
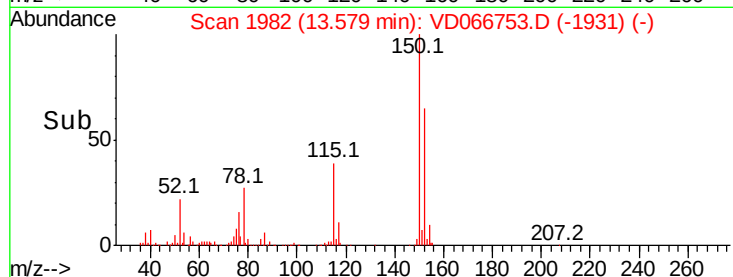
150 155.7 0.0 344.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 79.681 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066753.D

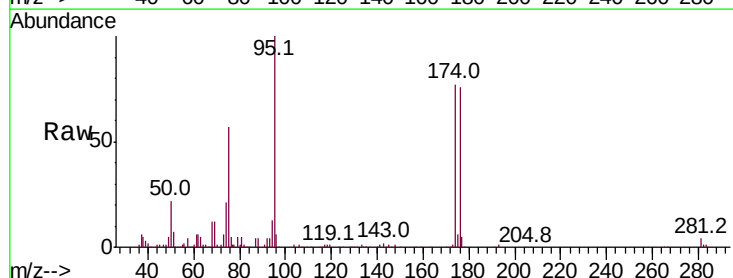
Acq: 17 Sep 2020 19:13

Tgt Ion: 75 Resp: 104123

Ion Ratio Lower Upper

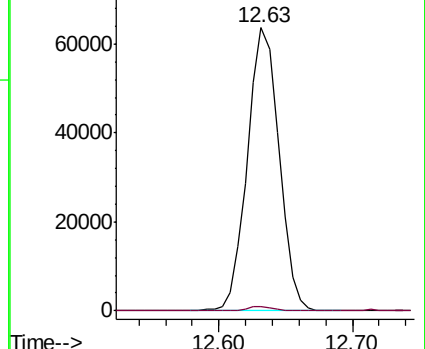
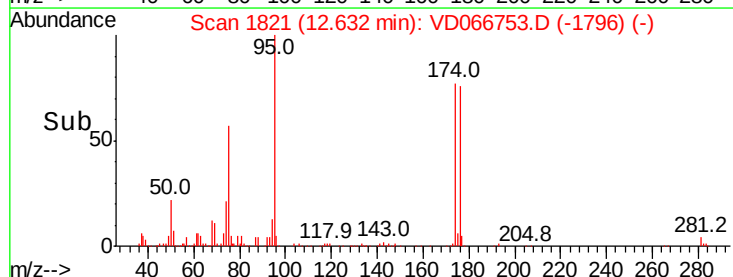
75 100

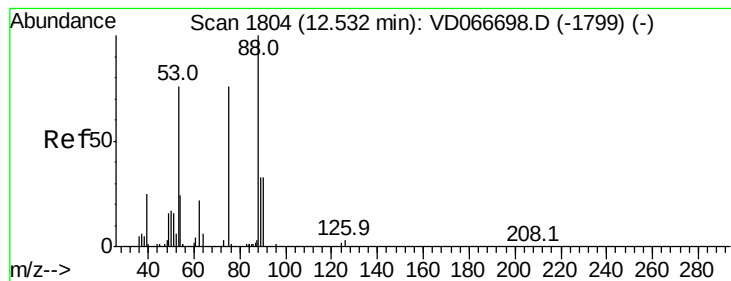
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 171.966 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066753.D

Acq: 17 Sep 2020 19:13

Instrument :

MSVOA_D

ClientSampleId :

KTS-IB-02-1-2

Tot Ion: 75 Resp: 104123

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.1 39.6 59.4#

