

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092120\
 Data File : VD066790.D
 Acq On : 21 Sep 2020 18:37
 Operator : VA/SY
 Sample : L4051-06
 Misc : 7.24G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-ST-01-1-2

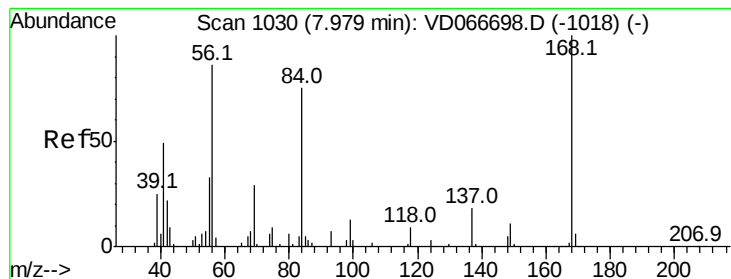
Quant Time: Sep 22 00:55:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	390126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	700760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	640212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	229270	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	220736	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
35) Dibromofluoromethane	7.91	113	229419	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
50) Toluene-d8	10.34	98	857388	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
62) 4-Bromofluorobenzene	12.63	95	249121	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	192	Below Cal	#	43
18) Methyl Acetate	4.95	43	168	Below Cal	#	52
20) Methylene Chloride	4.97	84	7043	Below Cal	#	74
31) Cyclohexane	7.97	56	10684	1.453	ug/l #	19
36) 1,1-Dichloropropene	7.97	75	31989	4.440	ug/l #	52
38) Carbon Tetrachloride	7.97	117	42480	5.552	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	3966	1.501	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	133123	67.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	133123	146.399	ug/l #	8

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066790.D

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ClientSampleId :

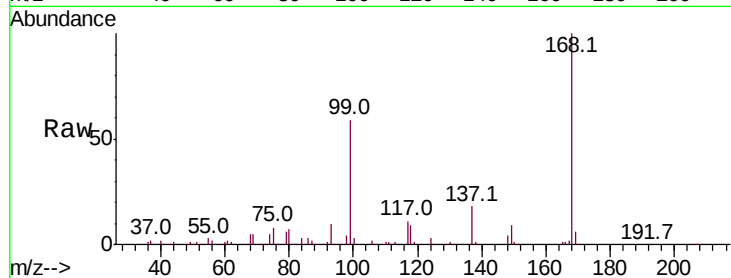
KTS-ST-01-1-2

Tot Ion:168 Resp: 390126

Ion Ratio Lower Upper

168 100

99 58.9 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

200000 Ion 98.90 (98.60 to 99.60): VDC

150000

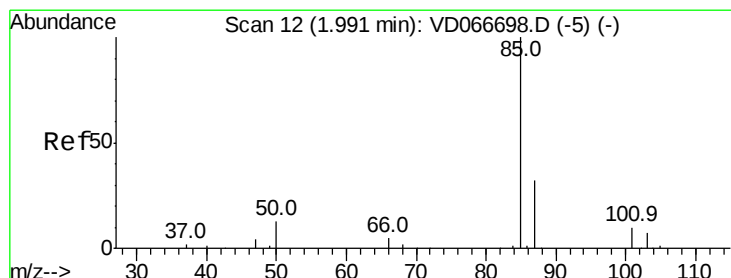
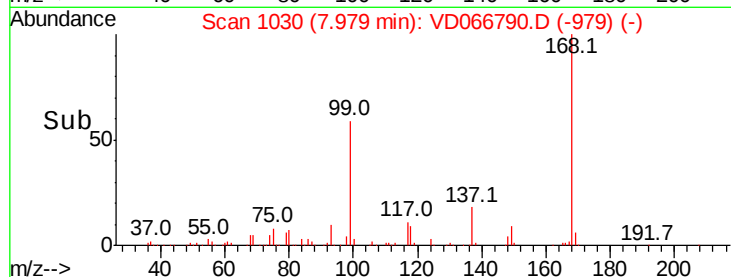
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD066790.D

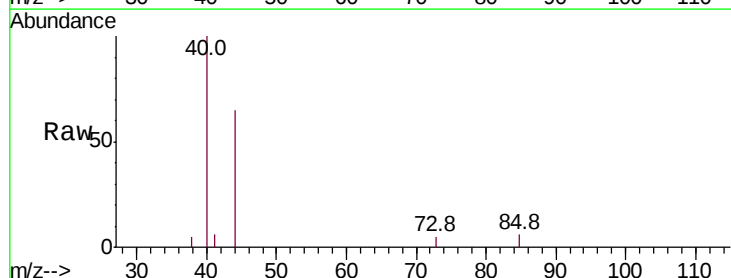
Acq: 21 Sep 2020 18:37

Tgt Ion: 85 Resp: 192

Ion Ratio Lower Upper

85 100

87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

250 Ion 86.90 (86.60 to 87.60): VDC

200

150

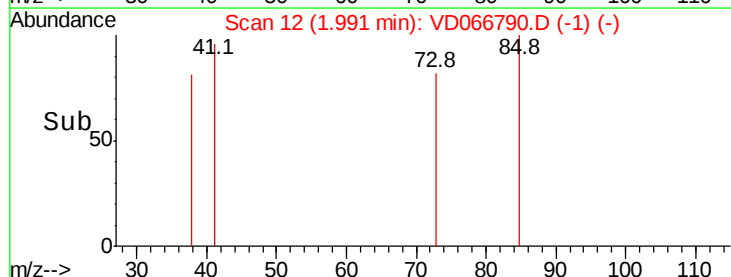
100

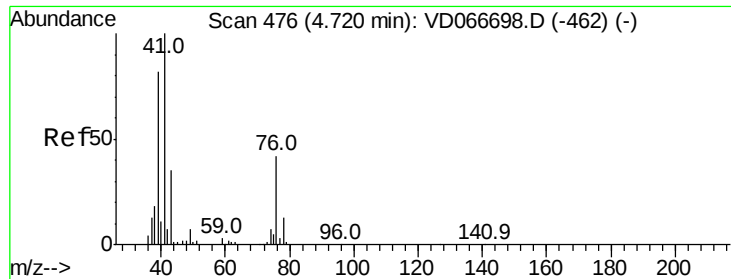
50

0

1.96 1.98 2.00 2.02

Time-->

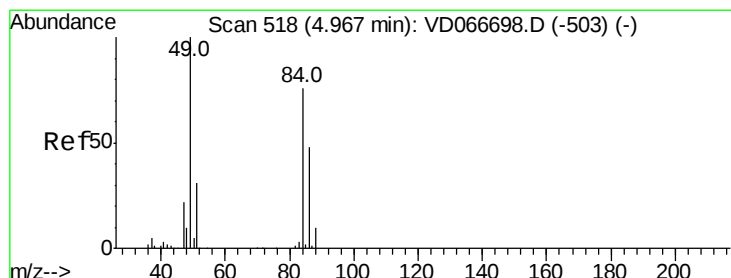
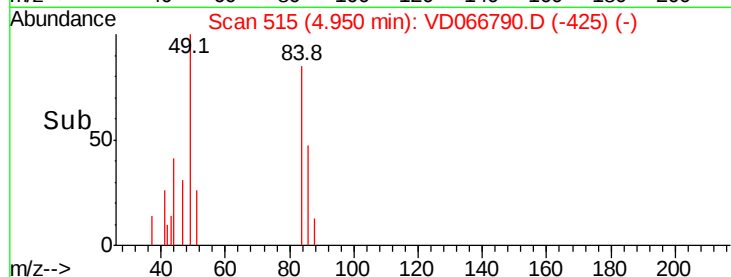
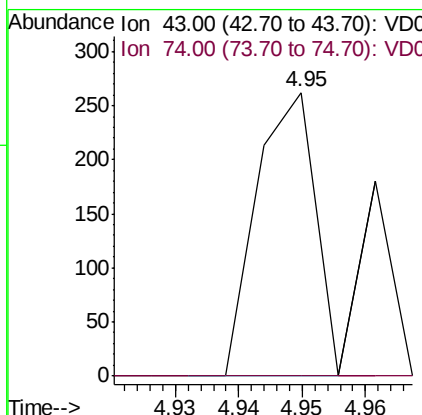
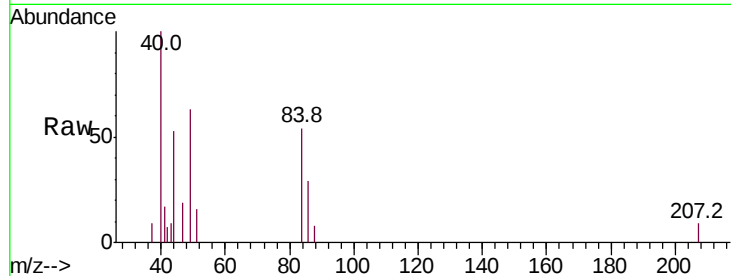




#18
Methyl Acetate
Concen: Below Cal
RT: 4.95 min Scan# 515
Delta R.T. 0.23 min
Lab File: VD066790.D
Acq: 21 Sep 2020 18:37

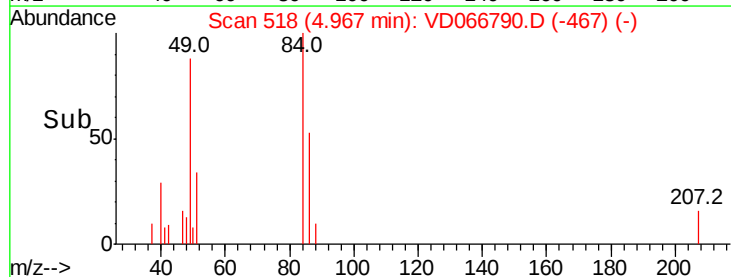
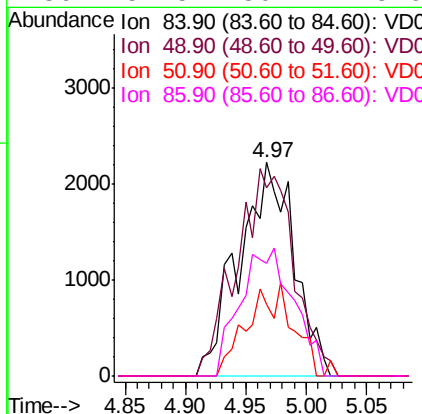
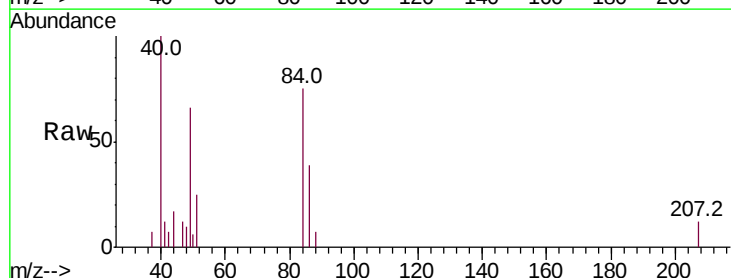
Instrument :
MSVOA_D
ClientSampleId :
KTS-ST-01-1-2

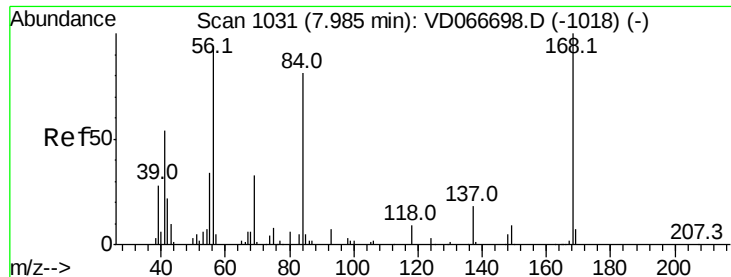
Tot Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066790.D
Acq: 21 Sep 2020 18:37

Tgt Ion: 84 Resp: 7043
Ion Ratio Lower Upper
84 100
49 88.1 105.0 157.6#
51 33.7 32.2 48.4
86 52.5 50.4 75.6

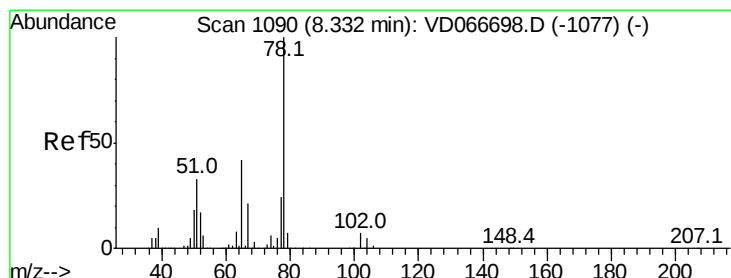
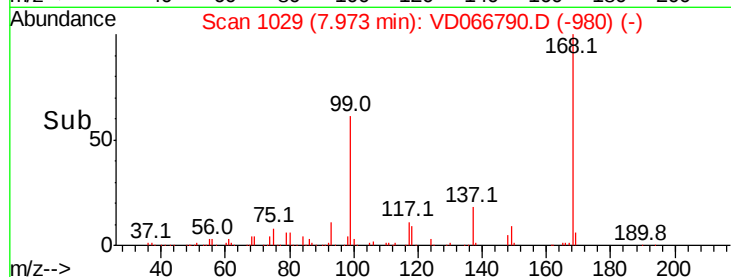
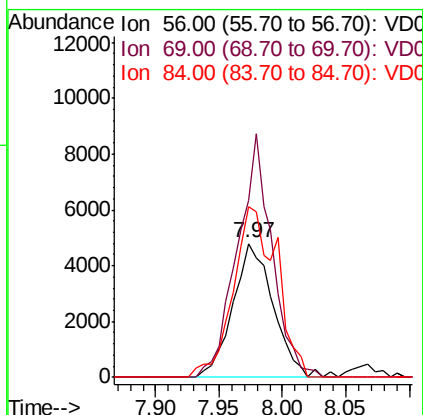
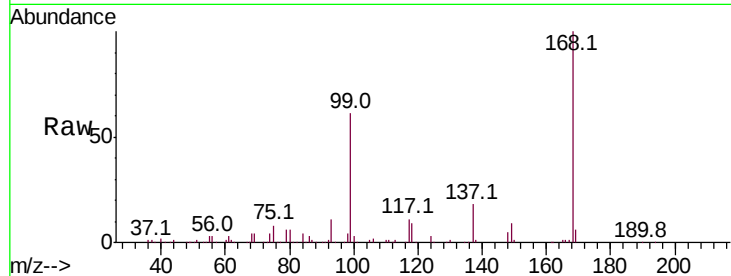




#31
Cyclohexane
Concen: 1.453 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066790.D
Acq: 21 Sep 2020 18:37

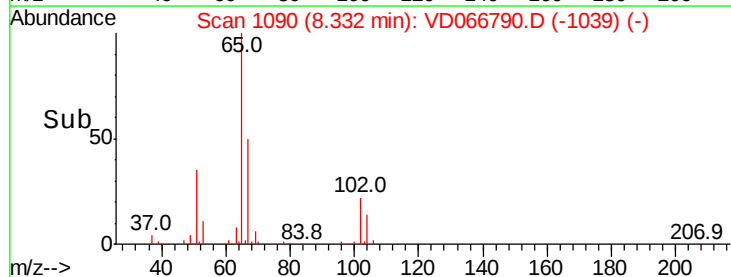
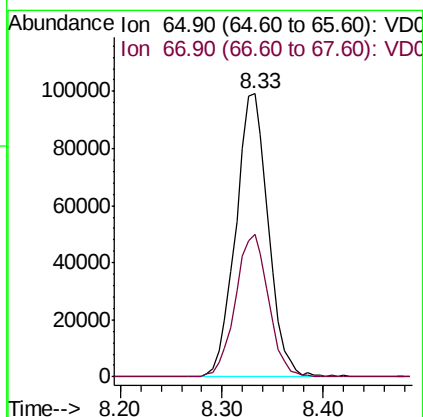
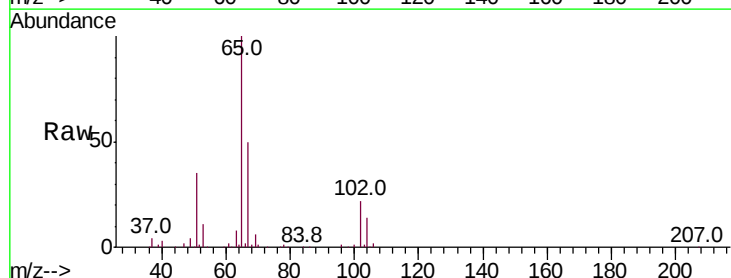
Instrument :
MSVOA_D
ClientSampleId :
KTS-ST-01-1-2

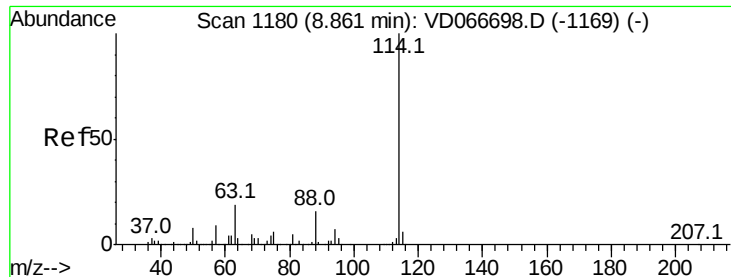
Tot Ion: 56 Resp: 10684
Ion Ratio Lower Upper
56 100
69 132.5 27.7 41.5#
84 127.0 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 53.031 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066790.D
Acq: 21 Sep 2020 18:37

Tgt Ion: 65 Resp: 220736
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

KTS-ST-01-1-2

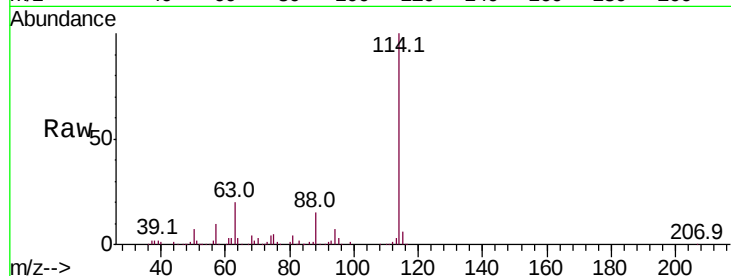
Tot Ion:114 Resp: 700760

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.6

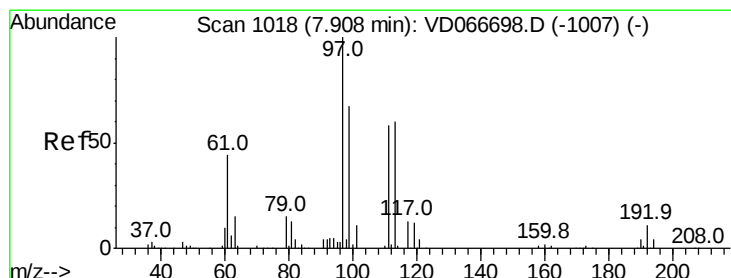
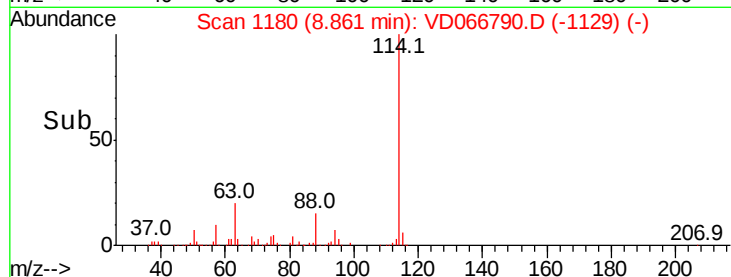
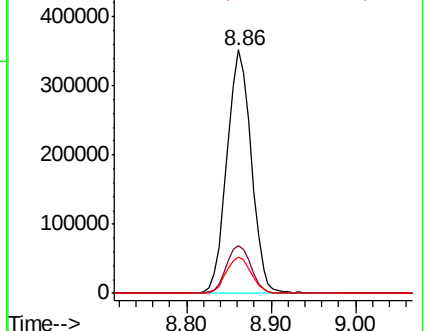
88 15.0 0.0 32.2



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: 53.399 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

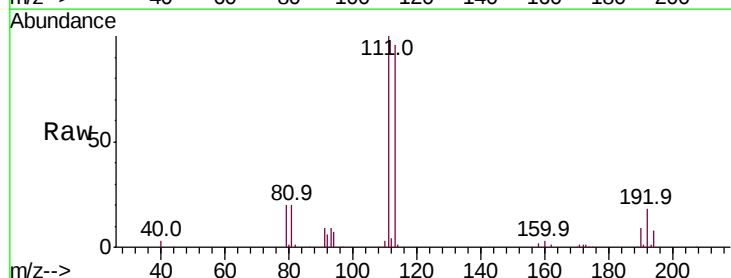
Tgt Ion:113 Resp: 229419

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

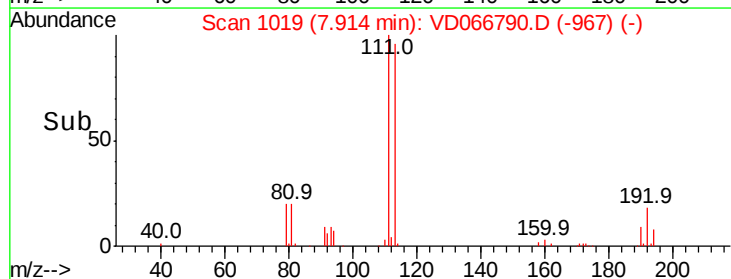
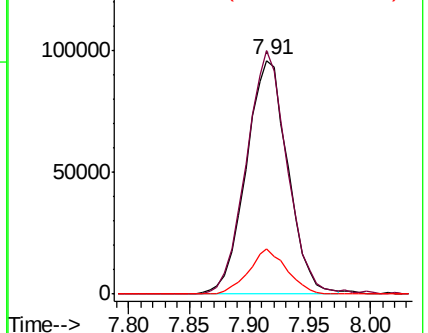
192 17.8 14.8 22.2

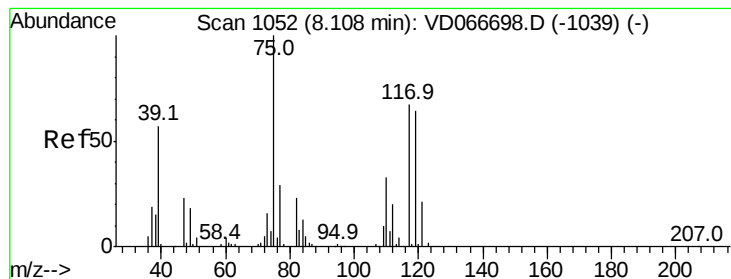


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.440 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.14 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

KTS-ST-01-1-2

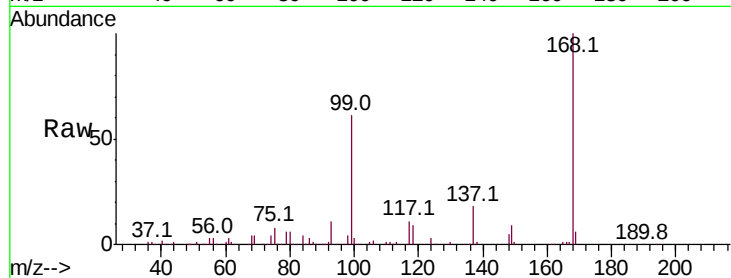
Tot Ion: 75 Resp: 31989

Ion Ratio Lower Upper

75 100

110 10.2 17.1 51.2#

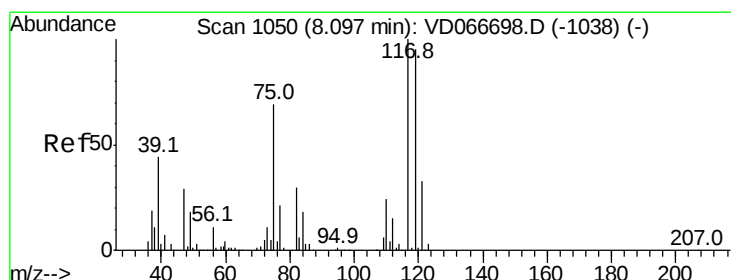
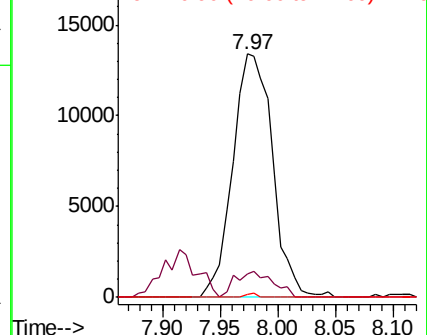
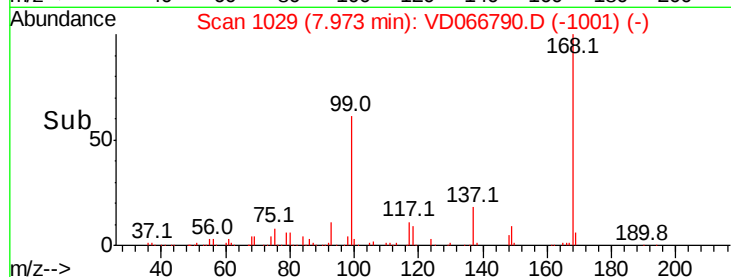
77 0.4 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066790.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD066790.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD066790.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 5.552 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

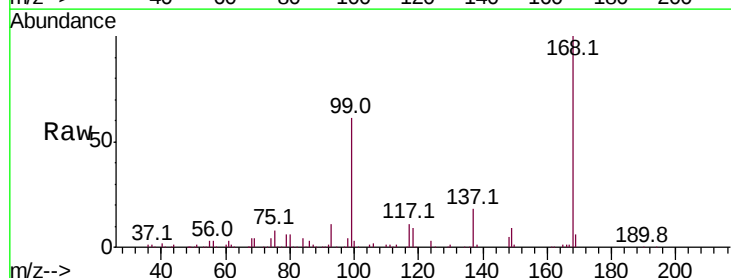
Tgt Ion: 117 Resp: 42480

Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.6#

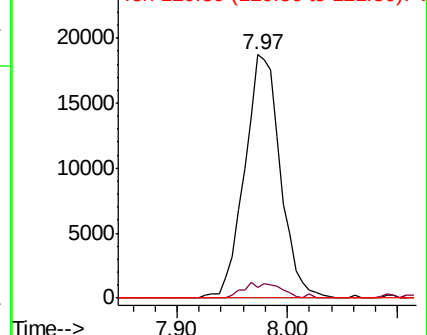
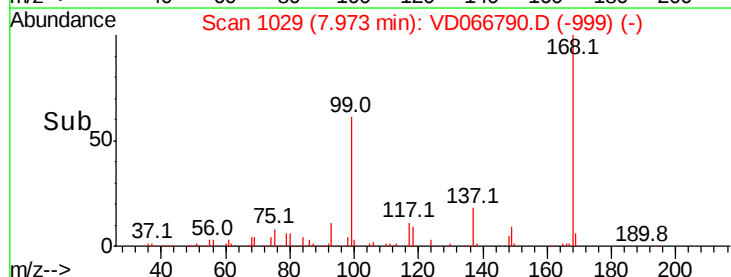
121 0.0 26.2 39.4#

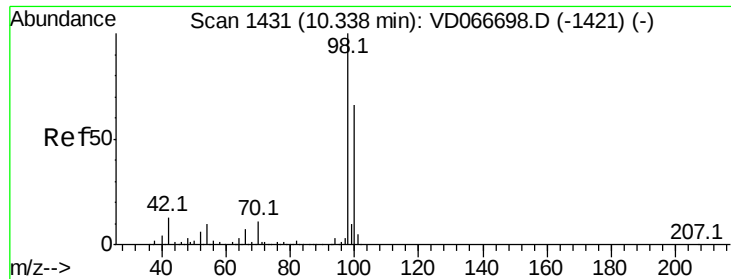


Abundance Ion 116.80 (116.50 to 117.50): VD066790.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD066790.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD066790.D (-999) (-)





#50

Toluene-d8

Concen: 56.014 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

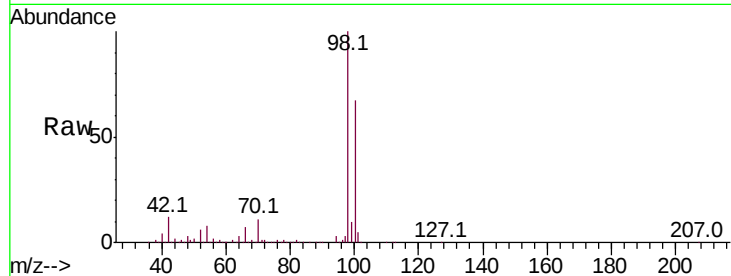
KTS-ST-01-1-2

Tot Ion: 98 Resp: 857388

Ion Ratio Lower Upper

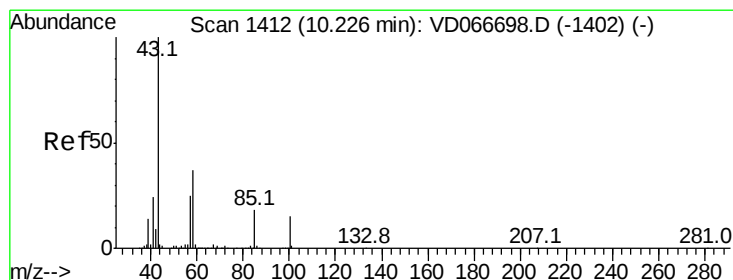
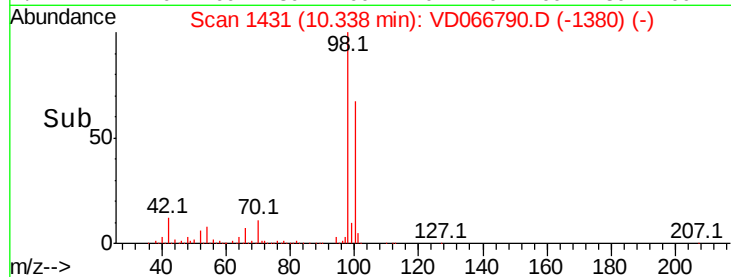
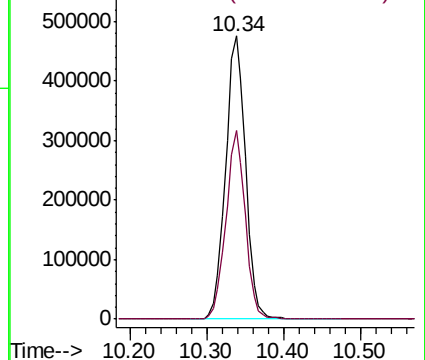
98 100

100 64.7 52.7 79.1



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: 1.501 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066790.D

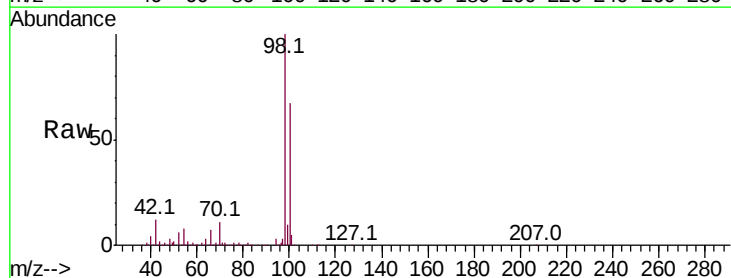
Acq: 21 Sep 2020 18:37

Tgt Ion: 43 Resp: 3966

Ion Ratio Lower Upper

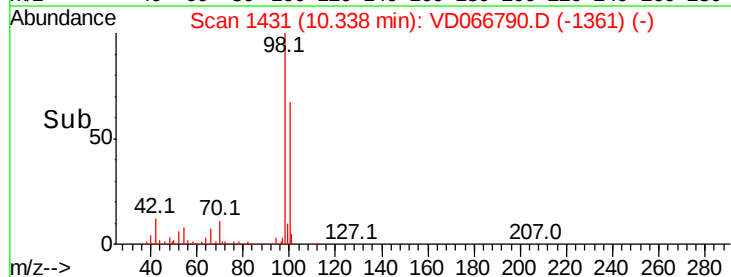
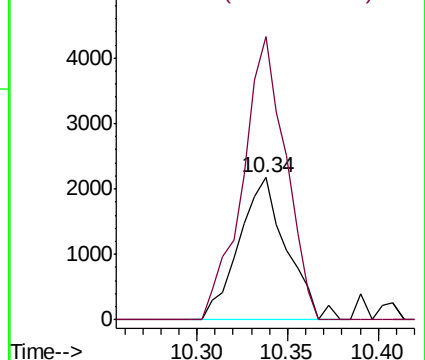
43 100

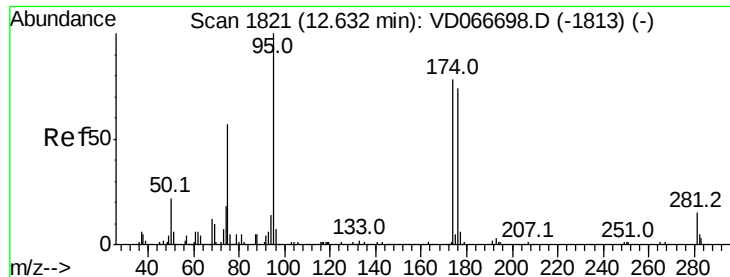
58 180.3 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#62

4-Bromofluorobenzene

Concen: 47.149 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

Instrument :

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ClientSampleId :

KTS-ST-01-1-2

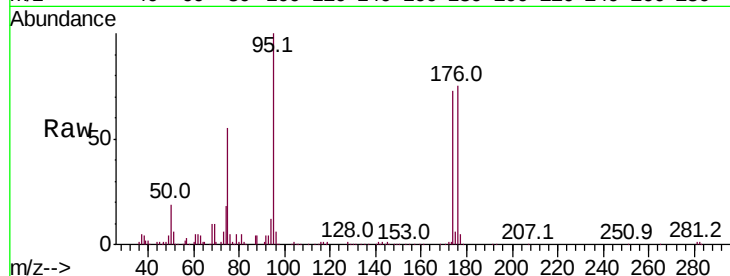
Tot Ion: 95 Resp: 249121

Ion Ratio Lower Upper

95 100

174 76.3 0.0 156.6

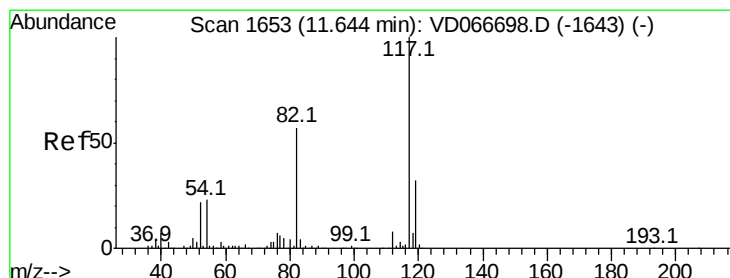
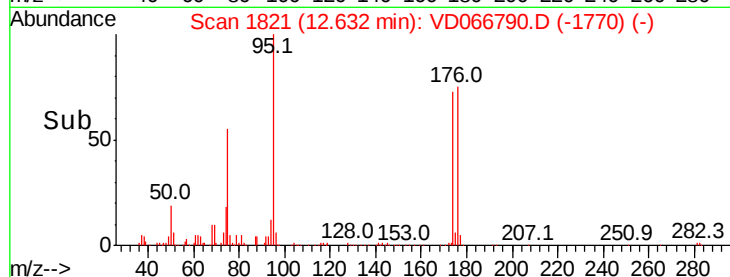
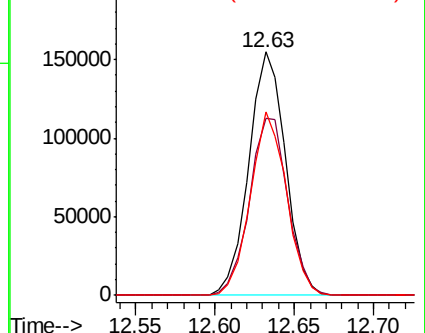
176 73.8 0.0 150.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

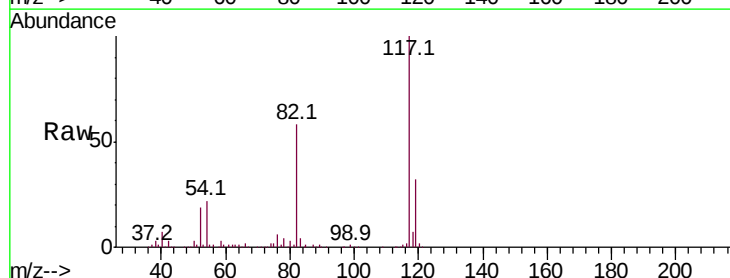
Tgt Ion: 117 Resp: 640212

Ion Ratio Lower Upper

117 100

82 57.9 45.4 68.0

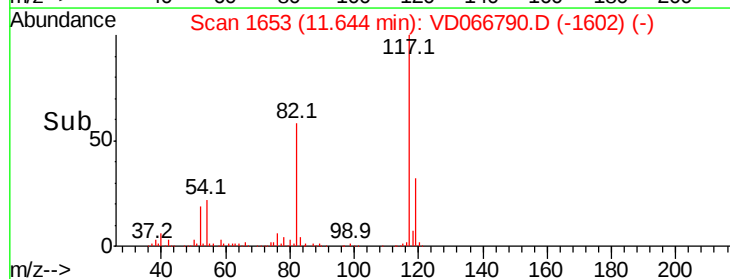
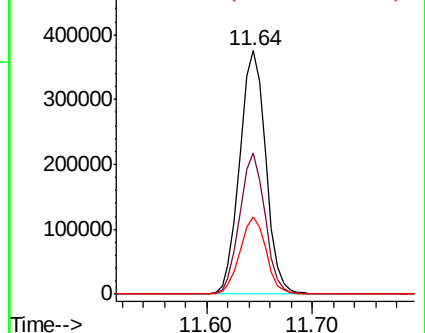
119 32.0 25.8 38.6

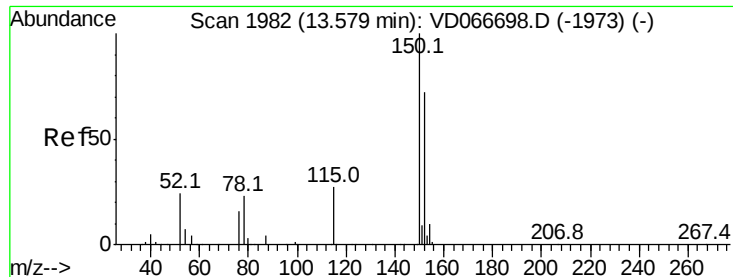


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

KTS-ST-01-1-2

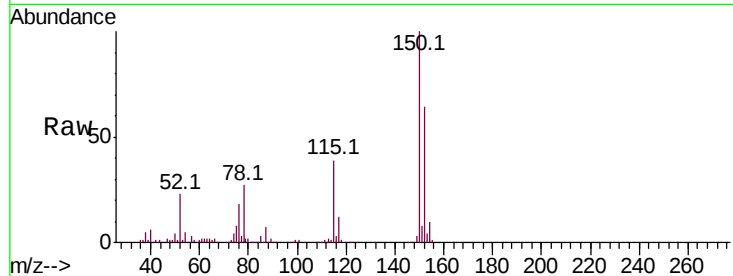
Tot Ion:152 Resp: 229270

Ion Ratio Lower Upper

152 100

115 61.0 30.5 91.5

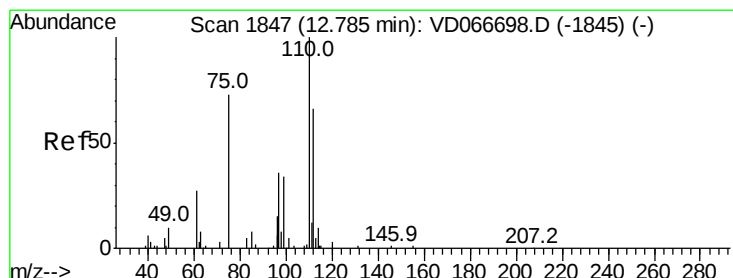
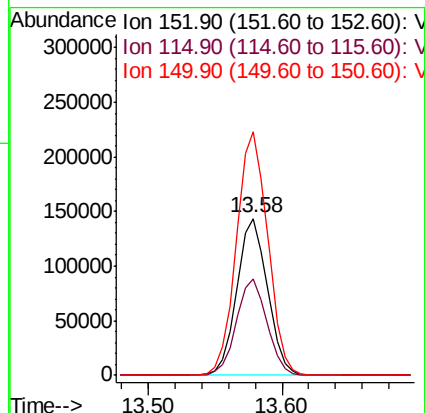
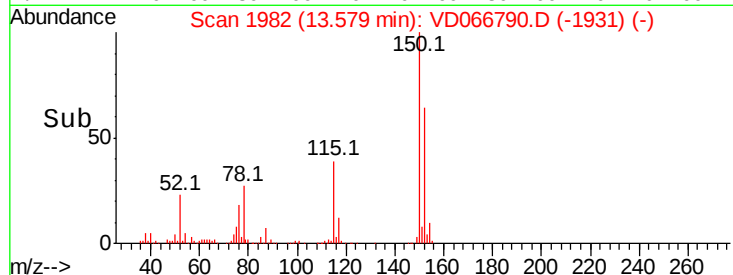
150 158.0 0.0 344.6



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: 67.835 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066790.D

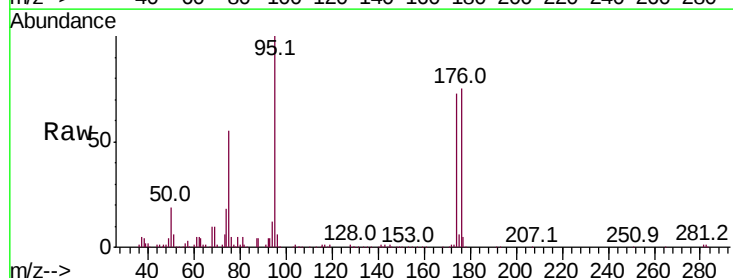
Acq: 21 Sep 2020 18:37

Tgt Ion: 75 Resp: 133123

Ion Ratio Lower Upper

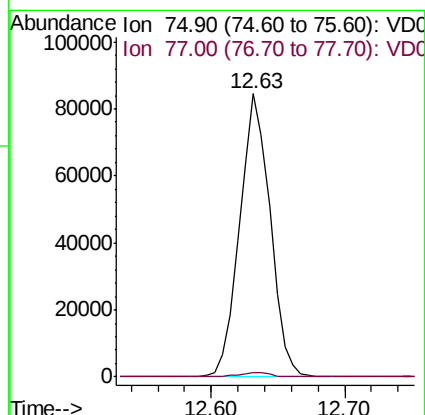
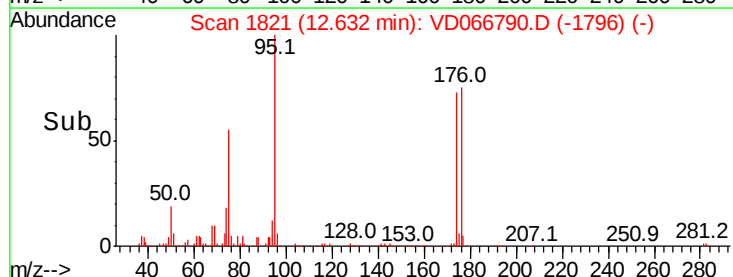
75 100

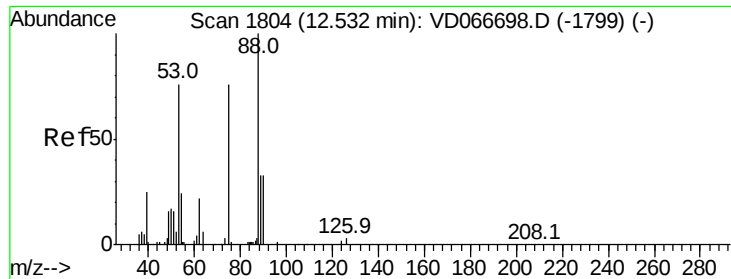
77 1.5 0.0 0.0#



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: 146.399 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066790.D

Acq: 21 Sep 2020 18:37

Instrument :

MSVOA_D

ClientSampleId :

KTS-ST-01-1-2

Tot Ion: 75 Resp: 133123

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.0 39.6 59.4#

