

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091720\
 Data File : VD066752.D
 Acq On : 17 Sep 2020 18:46
 Operator : VA/SY
 Sample : L4051-03
 Misc : 8.49G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Sep 18 01:16:57 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	368337	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	666580	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	648854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284100	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	233950	59.53	ug/l	0.00
Spiked Amount			Recovery	=	119.06%	
35) Dibromofluoromethane	7.91	113	224710	54.98	ug/l	0.00
Spiked Amount			Recovery	=	109.96%	
50) Toluene-d8	10.34	98	834354	57.30	ug/l	0.00
Spiked Amount			Recovery	=	114.60%	
62) 4-Bromofluorobenzene	12.63	95	278098	55.33	ug/l	0.00
Spiked Amount			Recovery	=	110.66%	

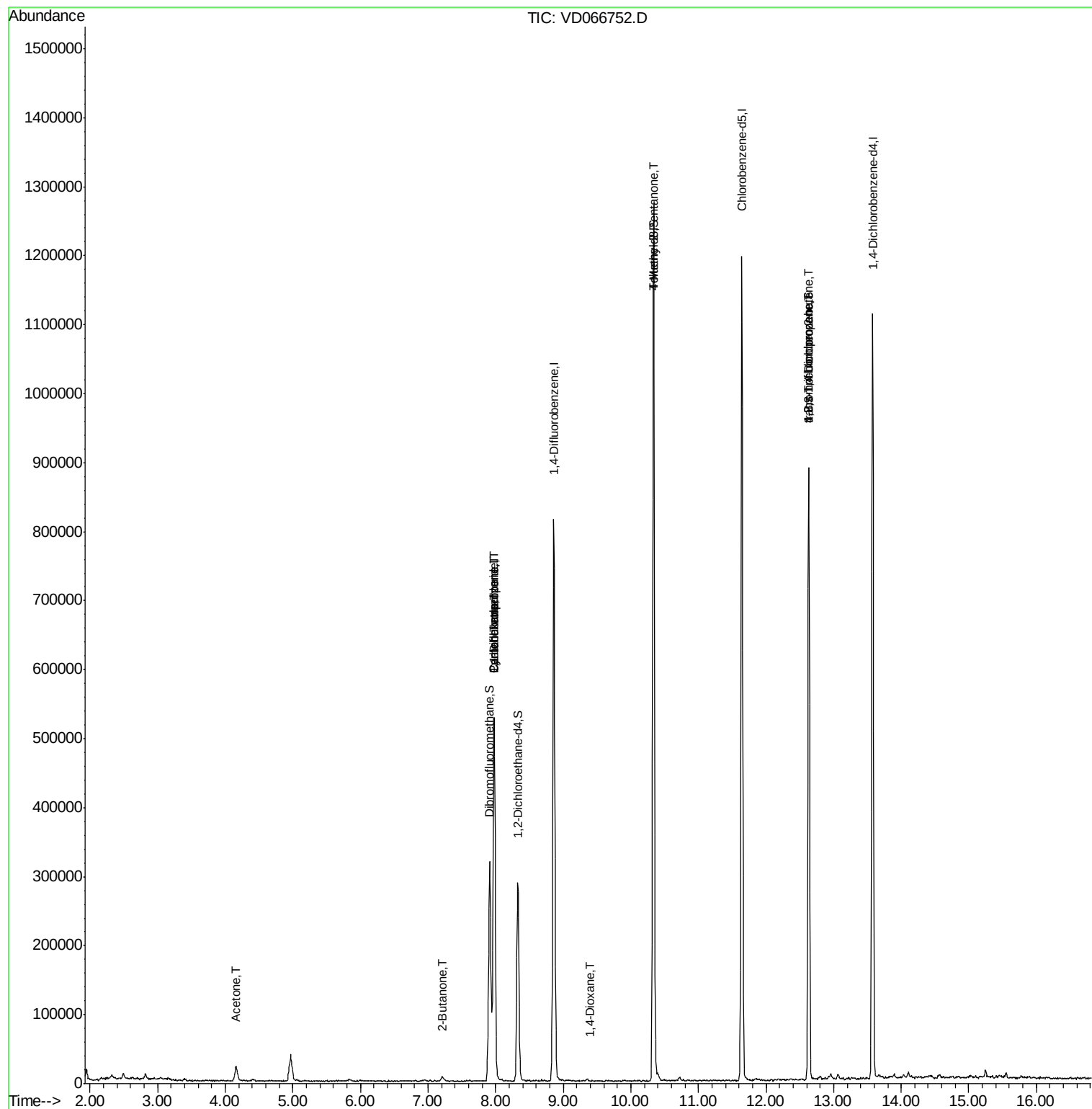
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	97	Below Cal	#	43
16) Acetone	4.16	43	36023	45.013	ug/l	99
18) Methyl Acetate	4.71	43	1067	Below Cal	#	52
20) Methylene Chloride	4.96	84	12573	Below Cal		90
25) 2-Butanone	7.21	43	9854	9.456	ug/l	98
31) Cyclohexane	7.98	56	11460	1.651	ug/l #	63
36) 1,1-Dichloropropene	7.98	75	33224	4.848	ug/l #	51
38) Carbon Tetrachloride	7.97	117	41523	5.705	ug/l #	17
49) 1,4-Dioxane	9.39	88	67	2.483	ug/l #	21
51) 4-Methyl-2-Pentanone	10.33	43	3939	1.567	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	155010	63.743	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	155010	137.569	ug/l #	8

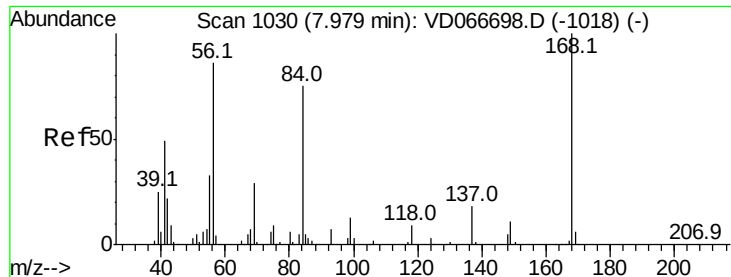
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066752.D

Acq: 17 Sep 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

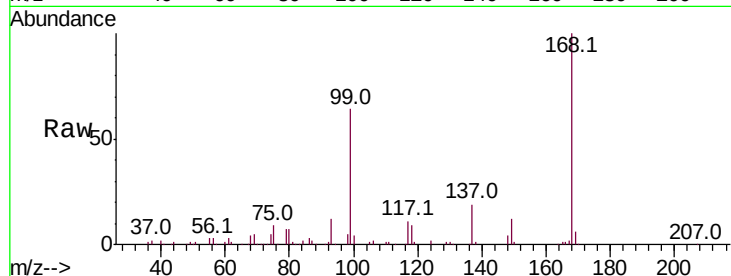
KTS-IB-01-1-2

Tot Ion:168 Resp: 368337

Ion Ratio Lower Upper

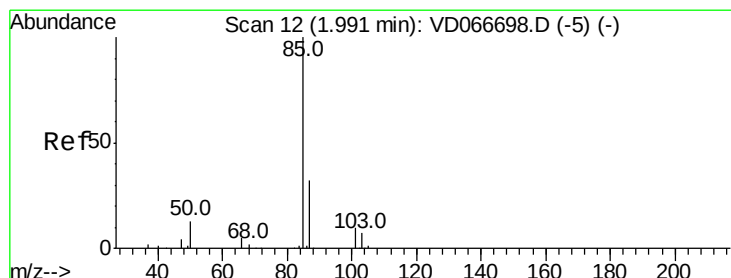
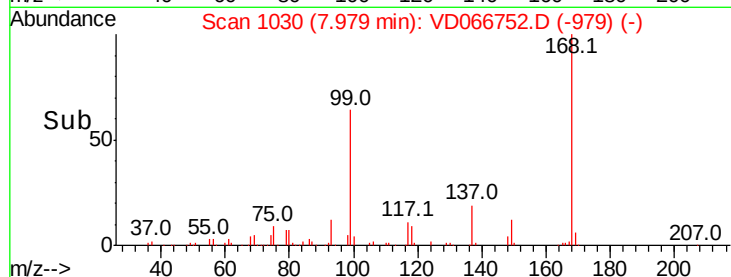
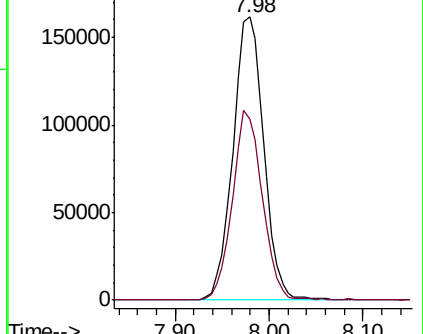
168 100

99 63.8 54.4 81.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066752.D

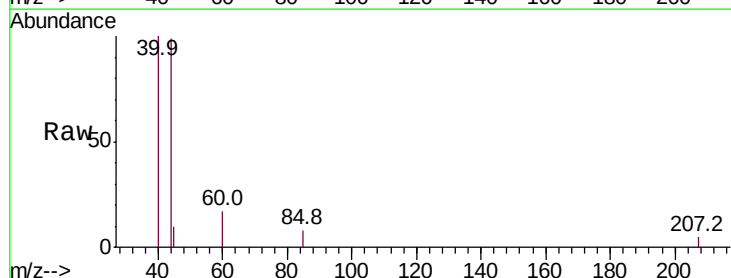
Acq: 17 Sep 2020 18:46

Tgt Ion: 85 Resp: 97

Ion Ratio Lower Upper

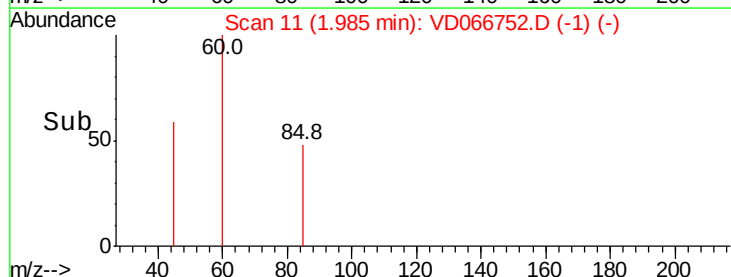
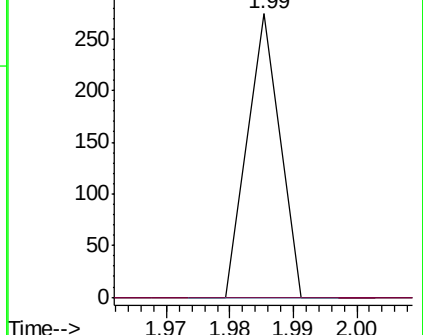
85 100

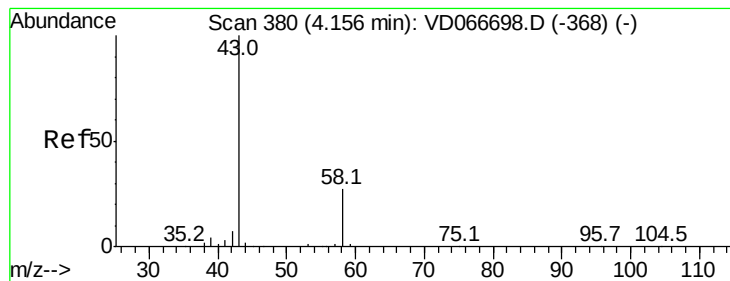
87 0.0 15.9 47.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 45.013 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

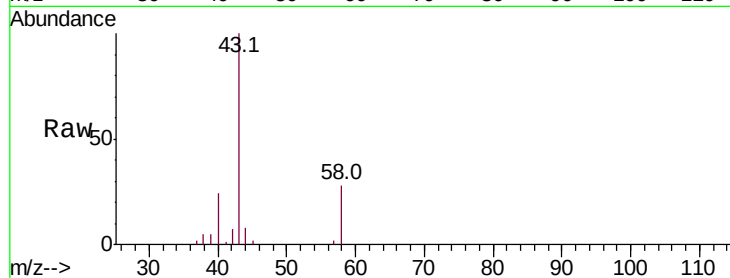
KTS-IB-01-1-2

Tot Ion: 43 Resp: 36023

Ion Ratio Lower Upper

43 100

58 27.7 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

15000

10000

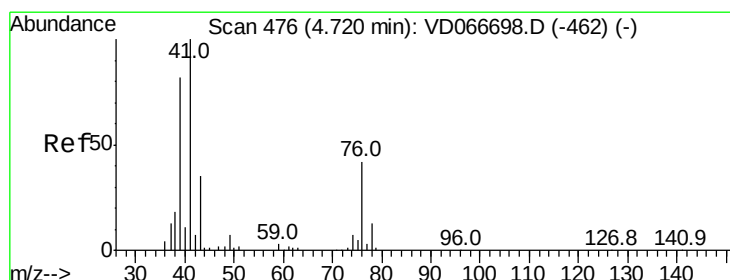
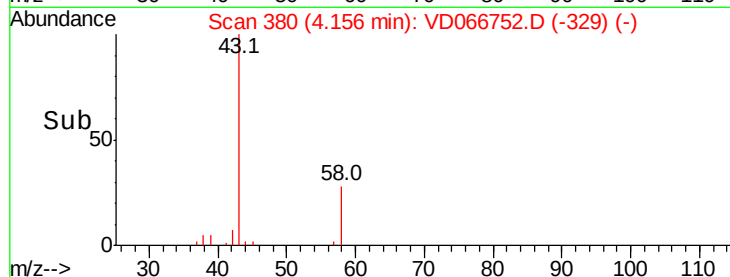
5000

0

4.16

4.10 4.20 4.30

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD066752.D

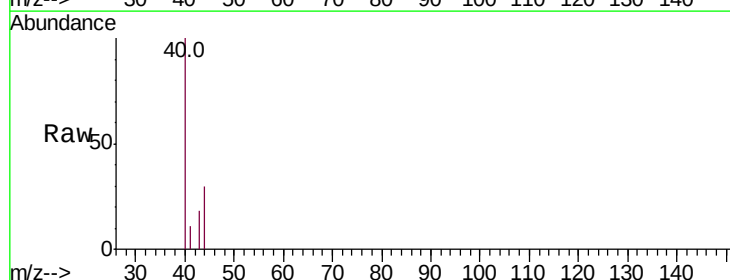
Acq: 17 Sep 2020 18:46

Tgt Ion: 43 Resp: 1067

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

600

500

400

300

200

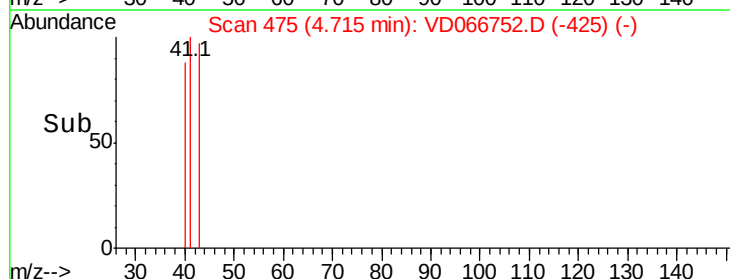
100

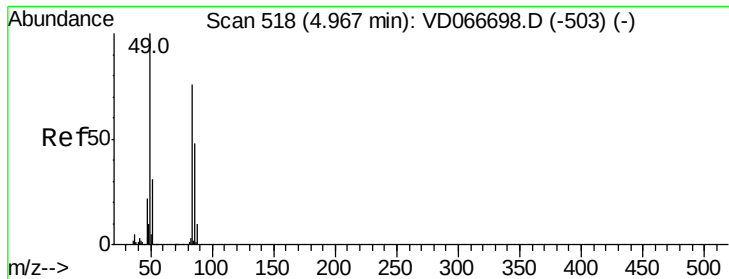
0

4.71

4.65 4.70 4.75

Time-->

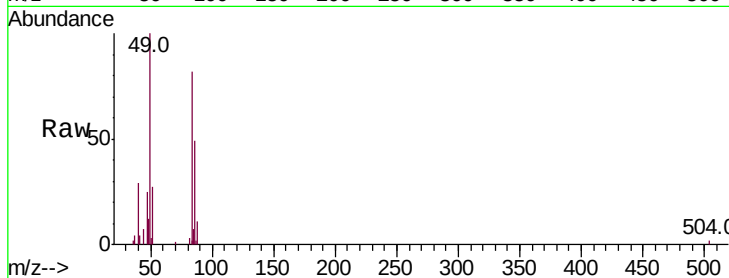




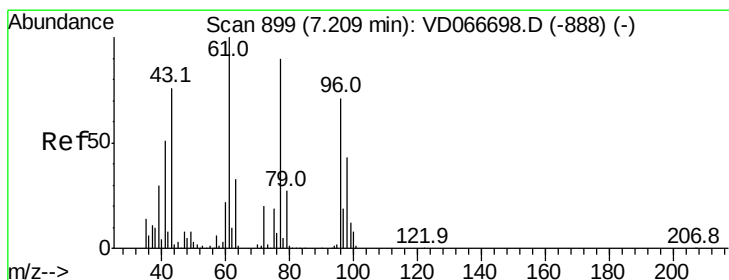
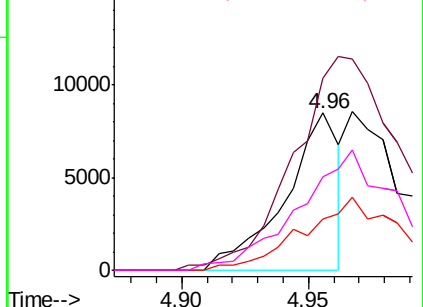
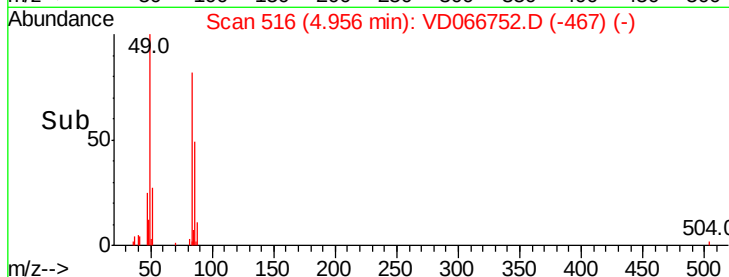
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066752.D
Acq: 17 Sep 2020 18:46

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

Tot Ion: 84 Resp: 12573
Ion Ratio Lower Upper
84 100
49 118.4 105.0 157.6
51 32.3 32.2 48.4
86 59.3 50.4 75.6

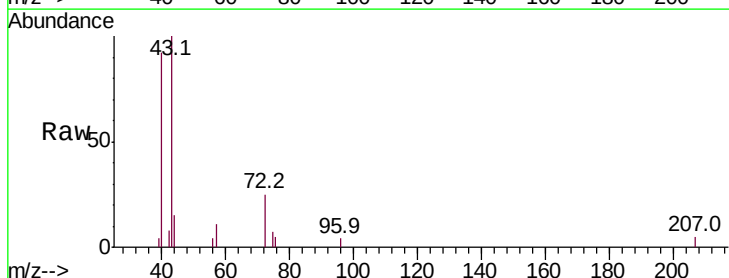


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

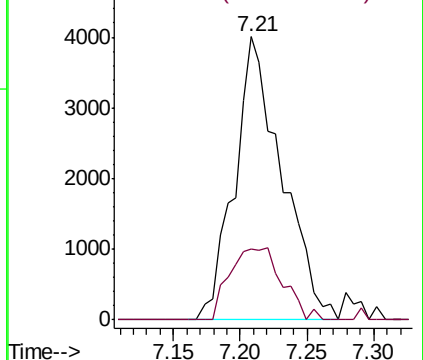
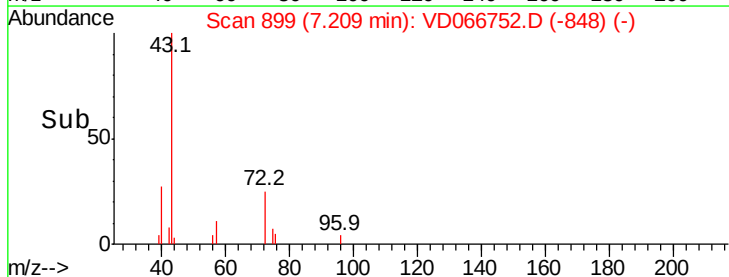


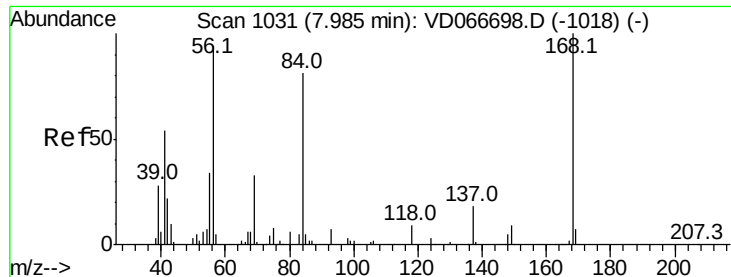
#25
2-Butanone
Concen: 9.456 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066752.D
Acq: 17 Sep 2020 18:46

Tgt Ion: 43 Resp: 9854
Ion Ratio Lower Upper
43 100
72 25.0 21.0 31.4



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

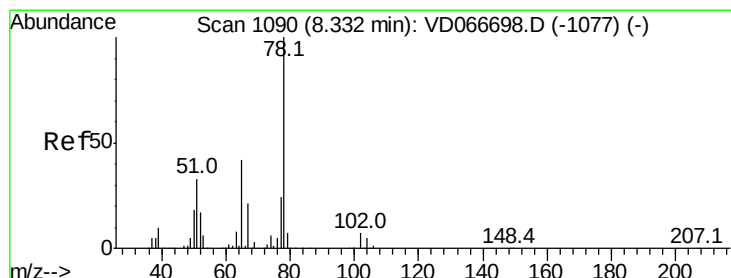
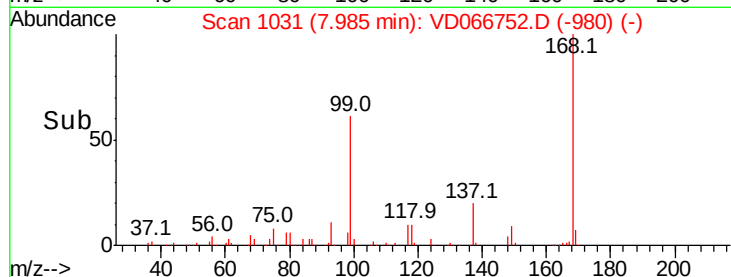
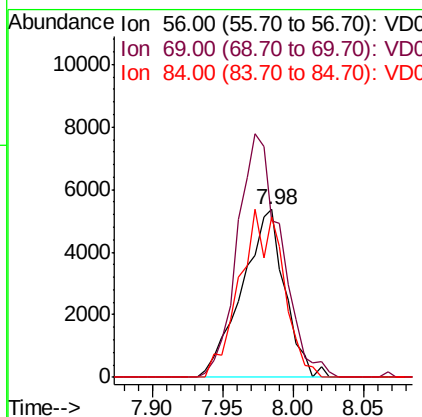
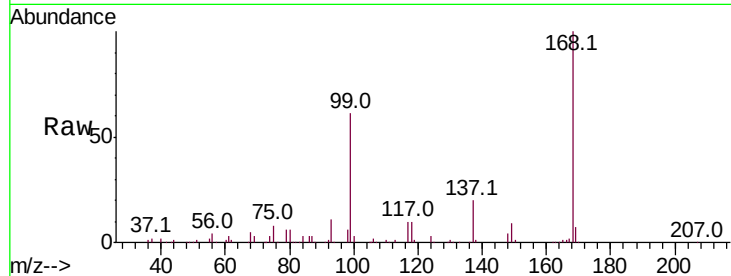




#31
Cyclohexane
Concen: 1.651 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066752.D
Acq: 17 Sep 2020 18:46

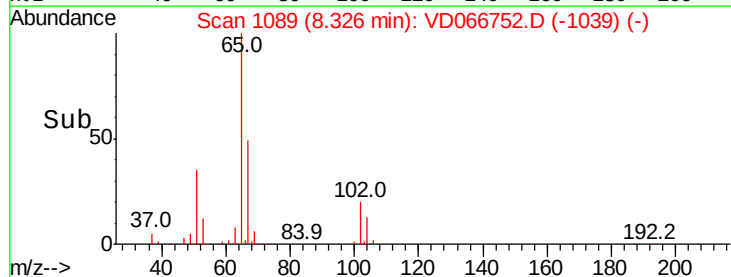
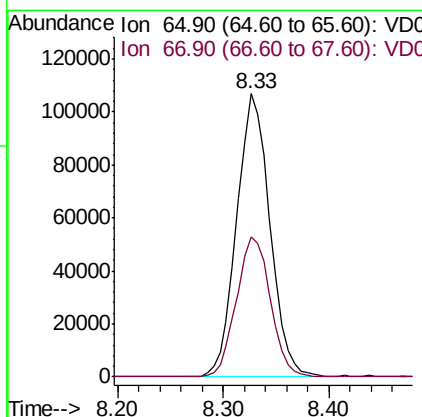
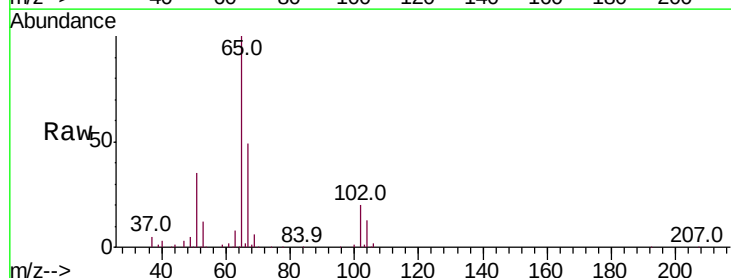
Instrument :
MSVOA_D
ClientSampleId :
KTS-IB-01-1-2

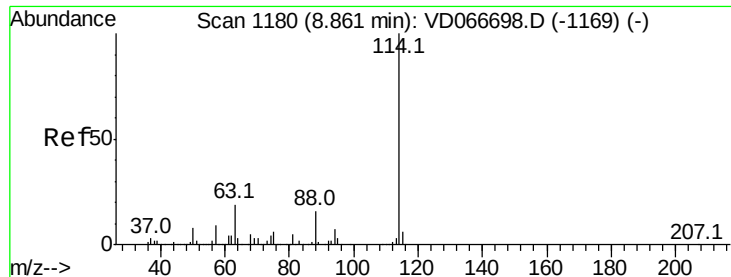
Tot Ion: 56 Resp: 11460
Ion Ratio Lower Upper
56 100
69 93.4 27.7 41.5#
84 95.7 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 59.530 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066752.D
Acq: 17 Sep 2020 18:46

Tgt Ion: 65 Resp: 233950
Ion Ratio Lower Upper
65 100
67 50.6 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: VD066752.D

Acq: 17 Sep 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

KTS-IB-01-1-2

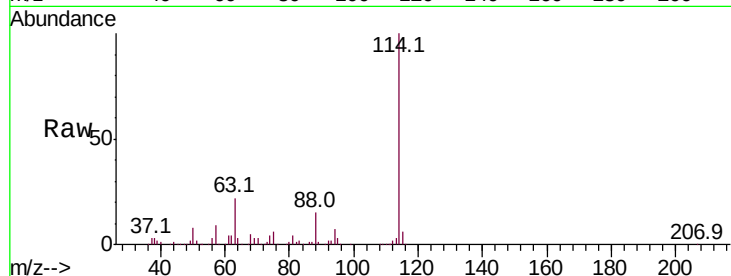
Tot Ion:114 Resp: 666580

Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.6

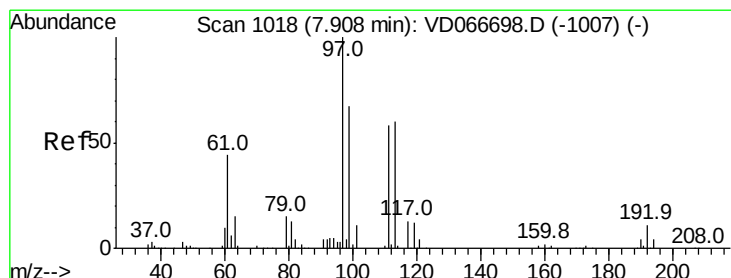
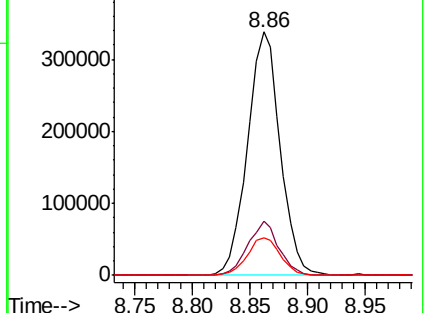
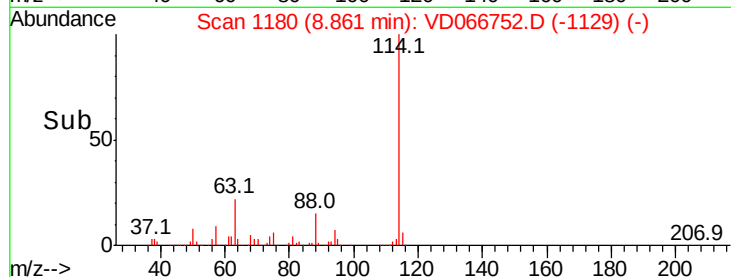
88 15.4 0.0 32.2



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: 54.985 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

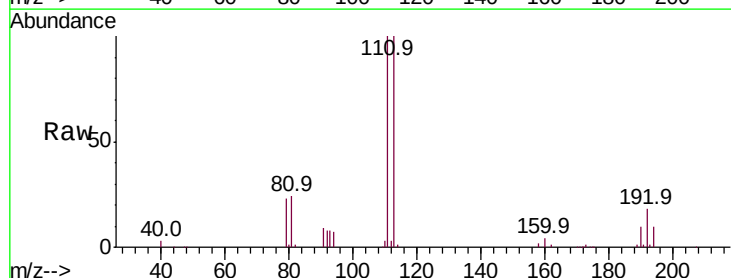
Tgt Ion:113 Resp: 224710

Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

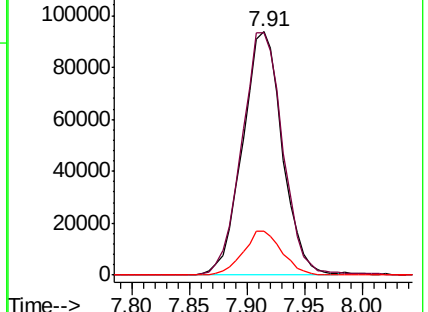
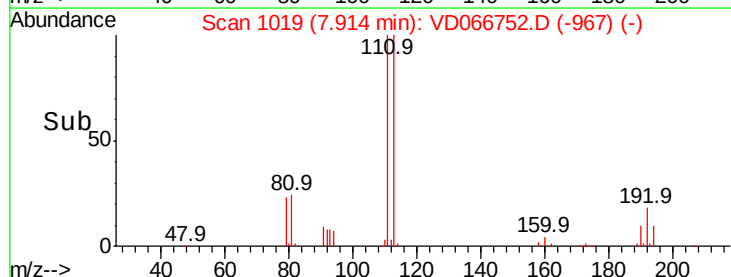
192 17.6 14.8 22.2

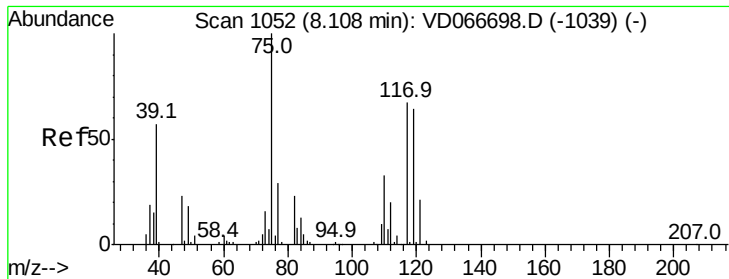


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.13 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

Instrument :

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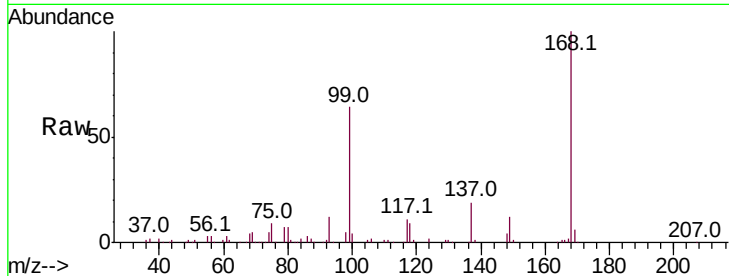
Tot Ion: 75 Resp: 33224

Ion Ratio Lower Upper

75 100

110 10.6 17.1 51.2#

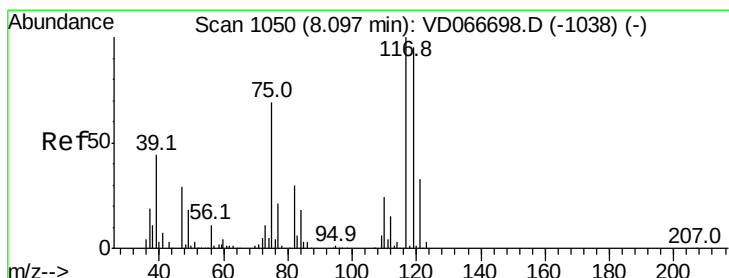
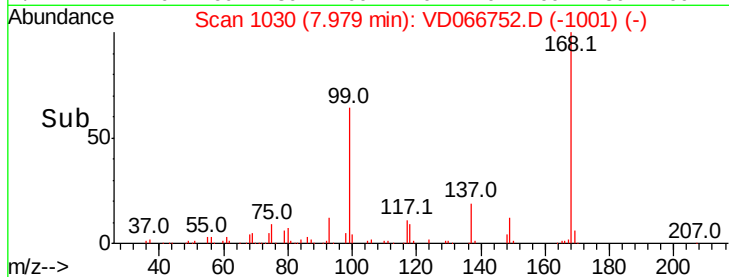
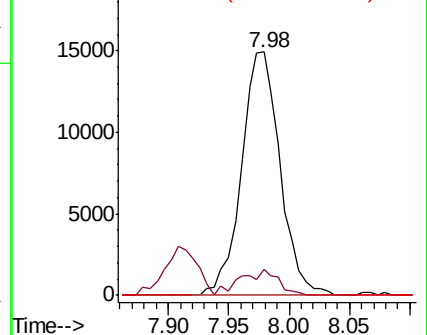
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD066698.D (-1039) (-)

Ion 109.90 (109.60 to 110.60): VD066698.D (-1039) (-)

Ion 76.90 (76.60 to 77.60): VD066698.D (-1039) (-)



#38

Carbon Tetrachloride

Concen: 5.705 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

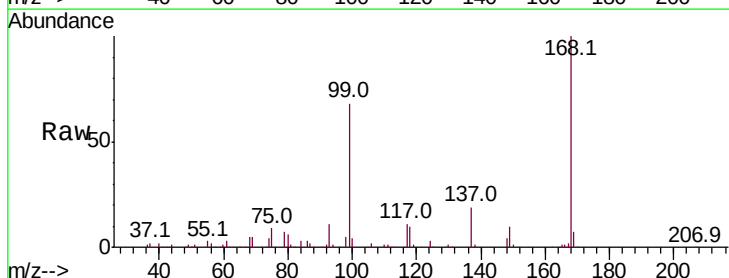
Tgt Ion: 117 Resp: 41523

Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

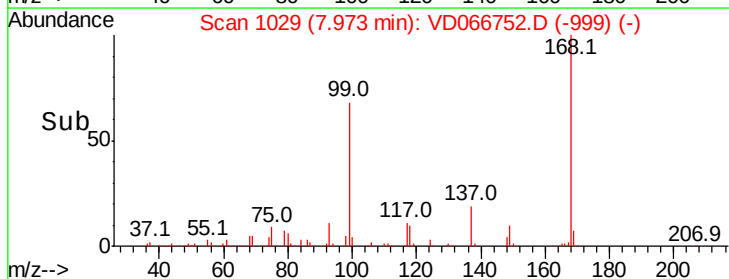
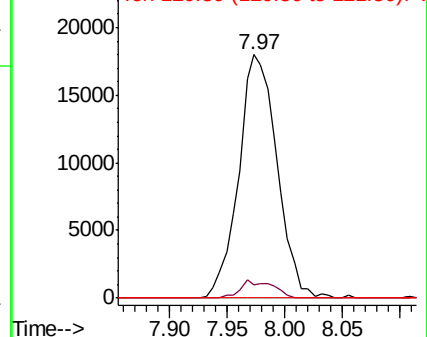
121 0.0 26.2 39.4#

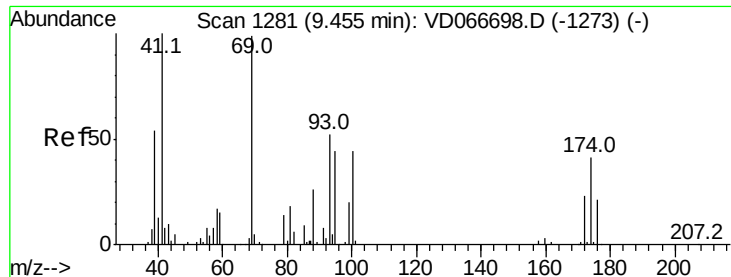


Abundance Ion 116.80 (116.50 to 117.50): VD066698.D (-1038) (-)

Ion 118.80 (118.50 to 119.50): VD066698.D (-1038) (-)

Ion 120.80 (120.50 to 121.50): VD066698.D (-1038) (-)





#49

1,4-Dioxane

Concen: 2.483 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.06 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

KTS-IB-01-1-2

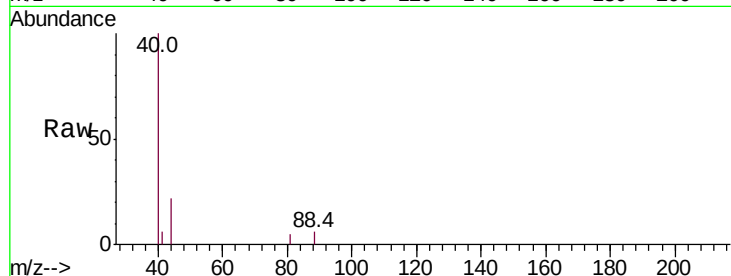
Tot Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 80.6 29.3 43.9#

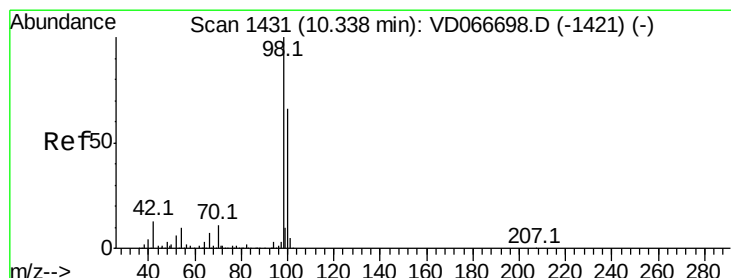
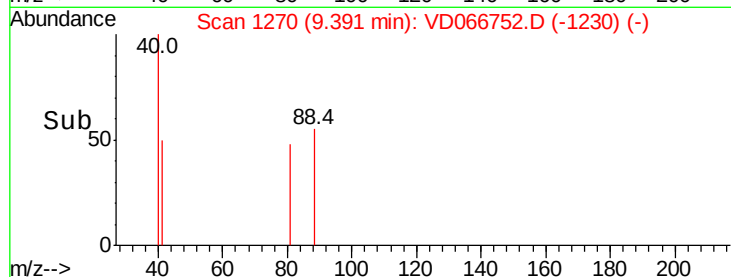
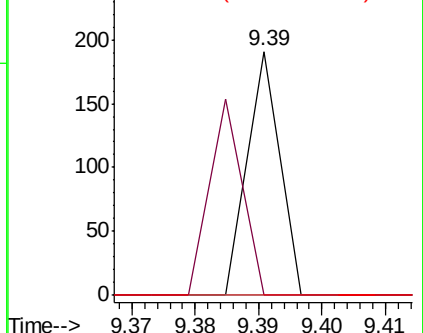
58 0.0 51.4 77.2#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 57.304 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066752.D

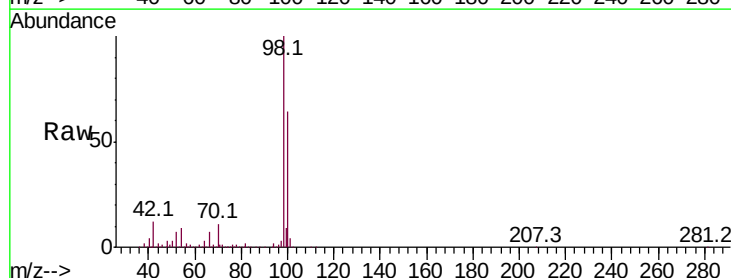
Acq: 17 Sep 2020 18:46

Tgt Ion: 98 Resp: 834354

Ion Ratio Lower Upper

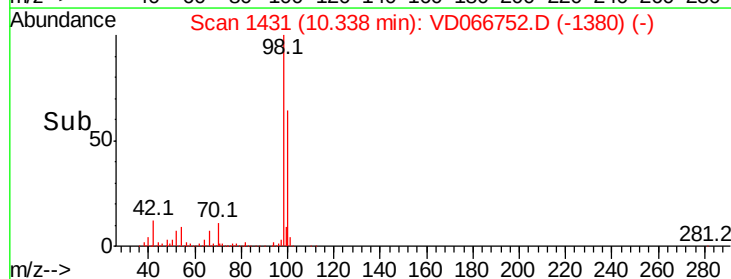
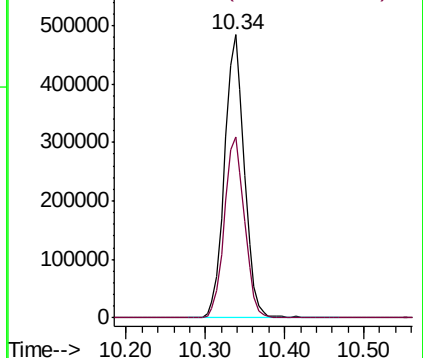
98 100

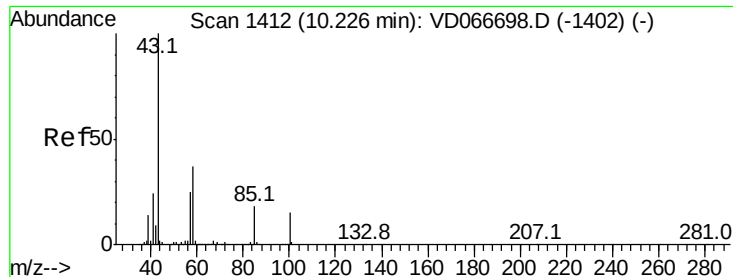
100 65.0 52.7 79.1



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: 1.567 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

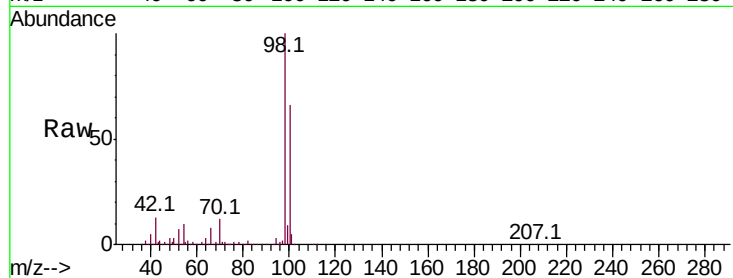
KTS-IB-01-1-2

Tot Ion: 43 Resp: 3939

Ion Ratio Lower Upper

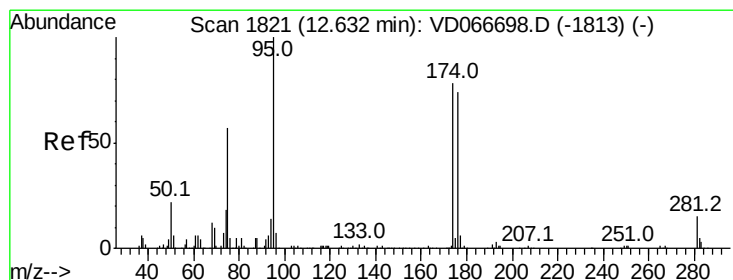
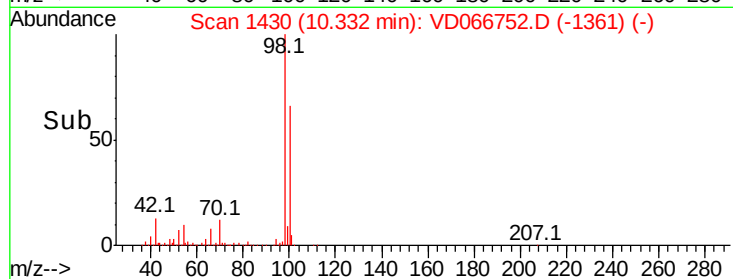
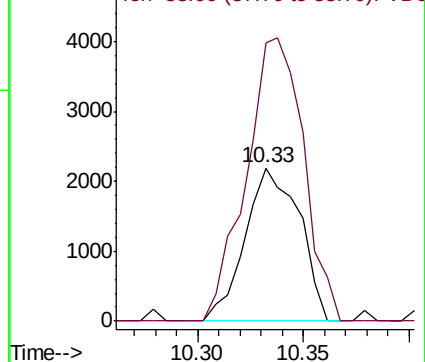
43 100

58 193.8 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: 55.332 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

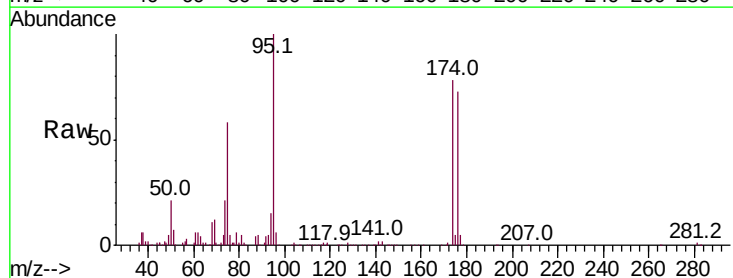
Tgt Ion: 95 Resp: 278098

Ion Ratio Lower Upper

95 100

174 78.2 0.0 156.6

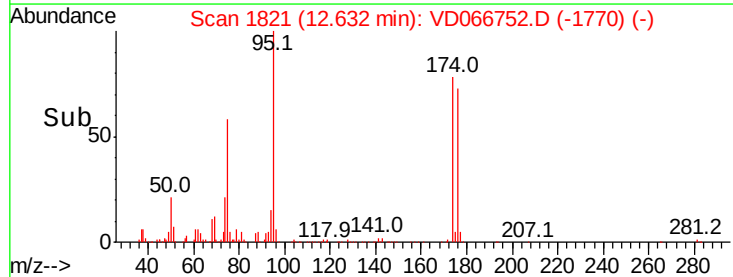
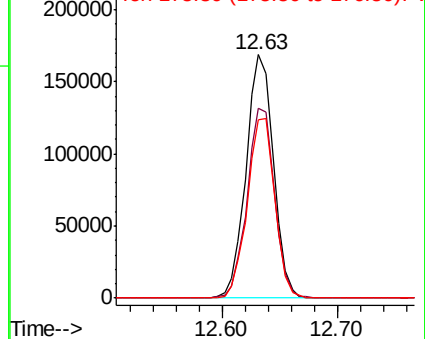
176 74.3 0.0 150.2

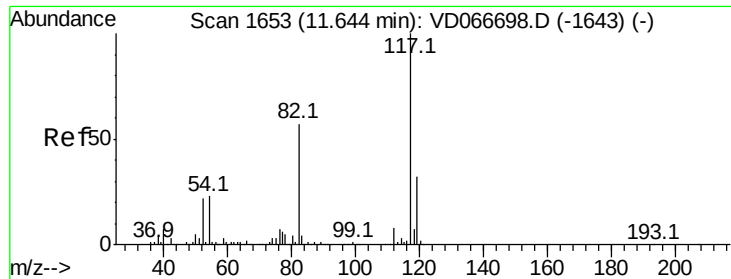


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

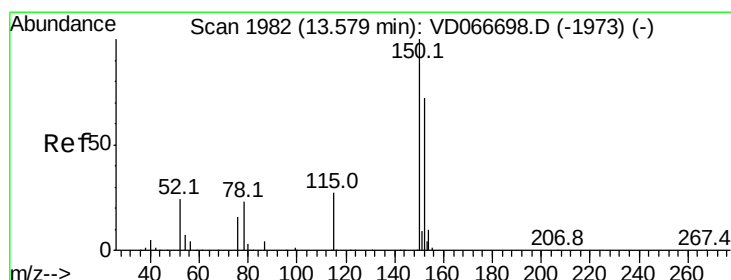
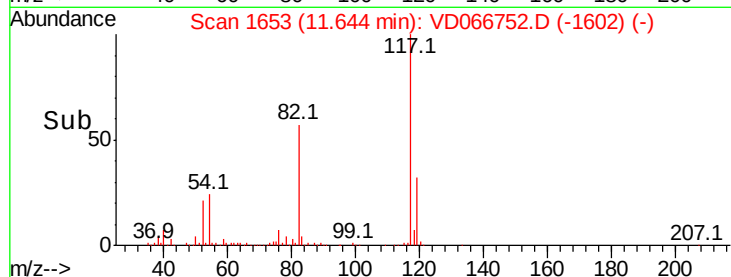
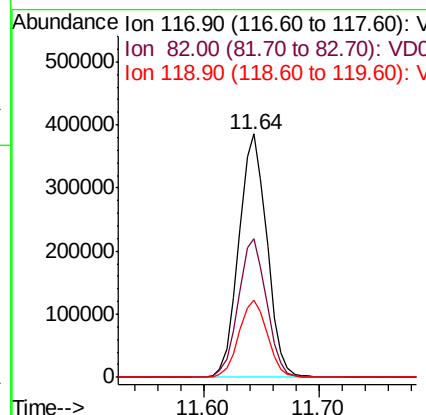
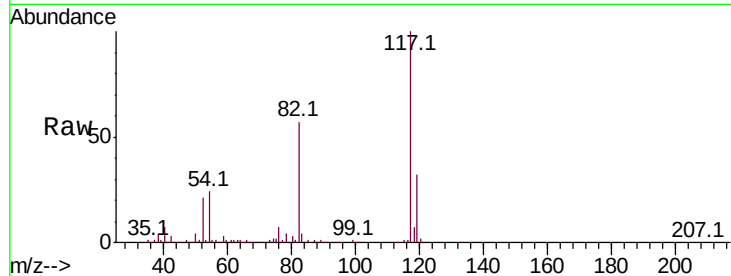




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066752.D
Acq: 17 Sep 2020 18:46

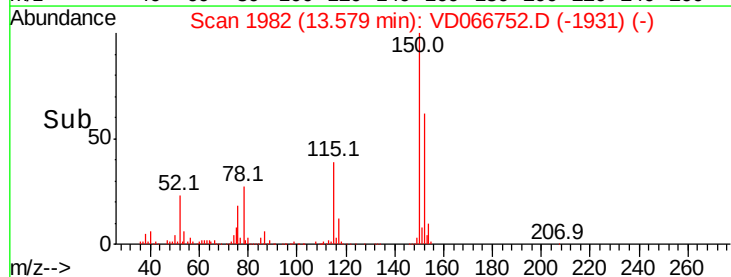
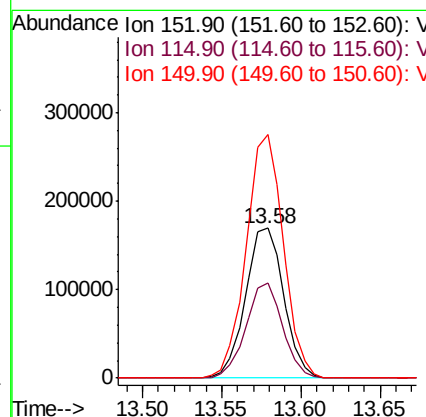
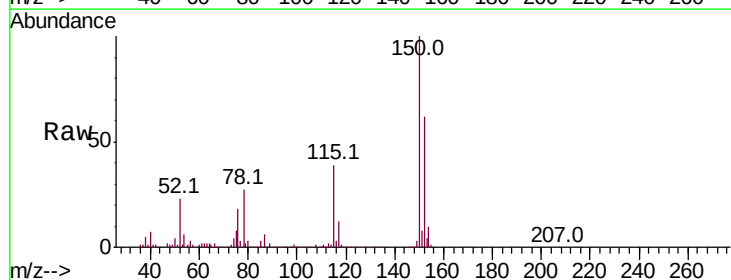
Instrument :
MSVOA_D
ClientSampleId :
KTS-IB-01-1-2

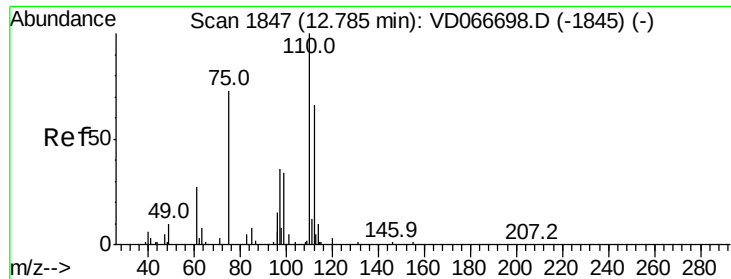
Tot Ion:117 Resp: 648854
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066752.D
Acq: 17 Sep 2020 18:46

Tgt Ion:152 Resp: 284100
Ion Ratio Lower Upper
152 100
115 60.9 30.5 91.5
150 158.1 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 63.743 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

Instrument :

MSVOA_D

ClientSampled :

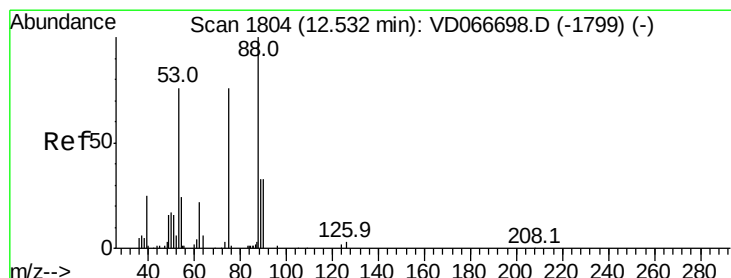
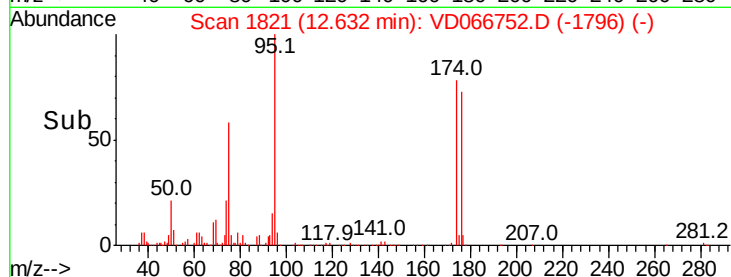
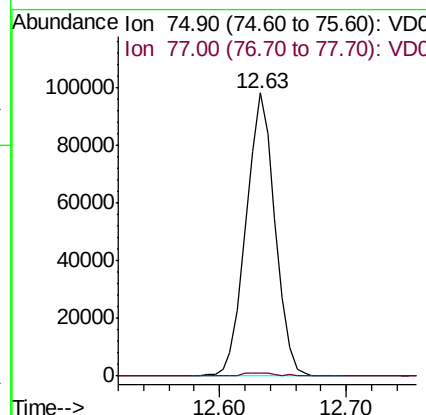
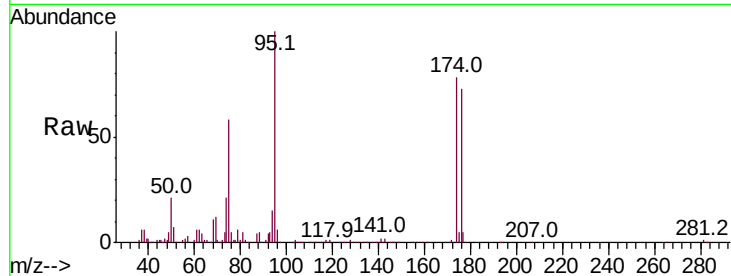
KTS-IB-01-1-2

Tot Ion: 75 Resp: 155010

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.569 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066752.D

Acq: 17 Sep 2020 18:46

Tgt Ion: 75 Resp: 155010

Ion Ratio Lower Upper

75 100

53 0.1 82.2 123.4#

89 0.2 39.6 59.4#

