

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
 Data File : VD066834.D
 Acq On : 23 Sep 2020 15:00
 Operator : VA/SY
 Sample : L4112-02
 Misc : 9.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-91-92

Quant Time: Sep 23 15:47:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	394302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	718951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	706877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307489	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	213306	55.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.54%	
35) Dibromofluoromethane	7.91	113	225082	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
50) Toluene-d8	10.34	98	858674	55.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.20%	
62) 4-Bromofluorobenzene	12.63	95	292686	54.86	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.72%	

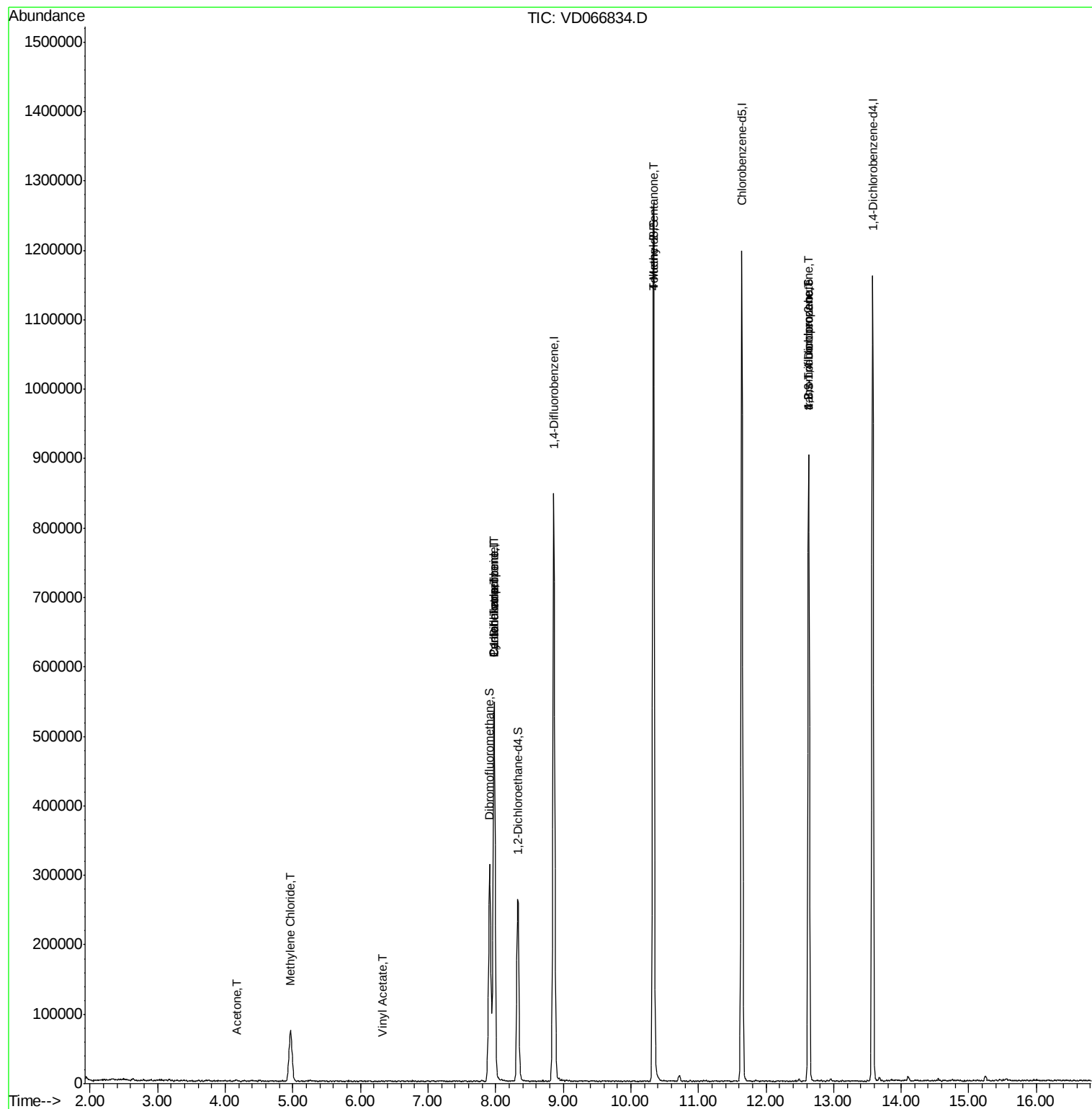
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	286	Below Cal	#	46
16) Acetone	4.17	43	2684	3.278	ug/l #	82
18) Methyl Acetate	4.64	43	56	Below Cal	#	50
20) Methylene Chloride	4.97	84	55705	7.680	ug/l	93
23) Vinyl Acetate	6.33	43	95	2.687	ug/l #	71
31) Cyclohexane	7.97	56	8976	1.279	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33423	4.686	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42181	5.409	ug/l #	17
49) 1,4-Dioxane	9.47	88	121	Below Cal	#	32
51) 4-Methyl-2-Pentanone	10.34	43	3927	1.559	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	151450	59.434	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	151450	148.697	ug/l #	10

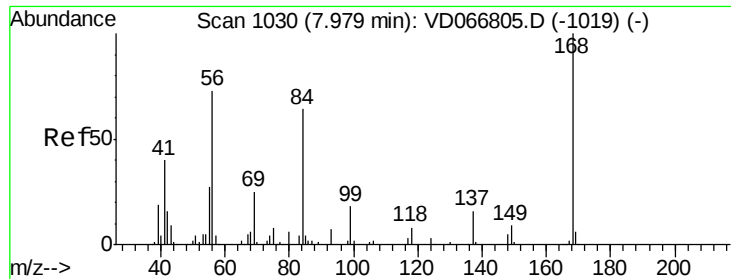
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
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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: VD066834.D

Acq: 23 Sep 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

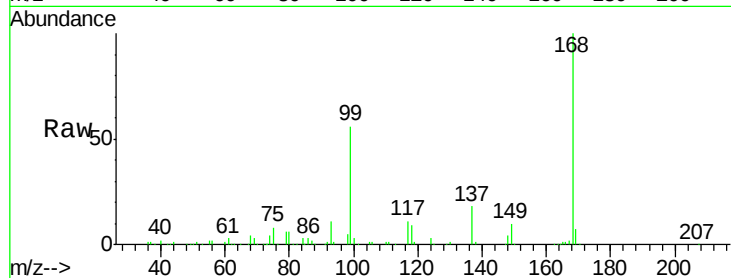
KTS-SB-02-91-92

Tgt Ion:168 Resp: 394302

Ion Ratio Lower Upper

168 100

99 56.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

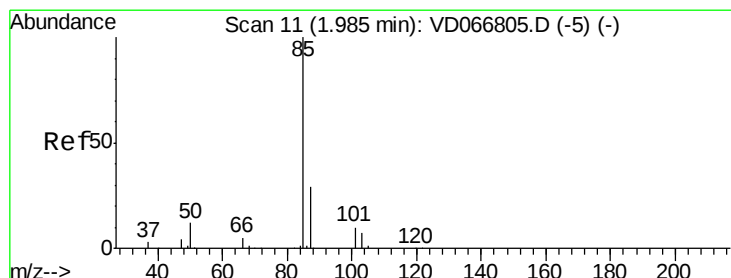
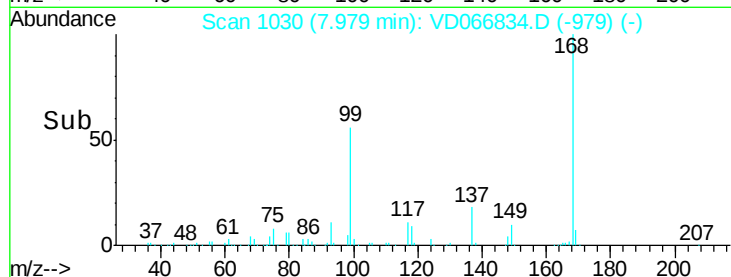
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066834.D

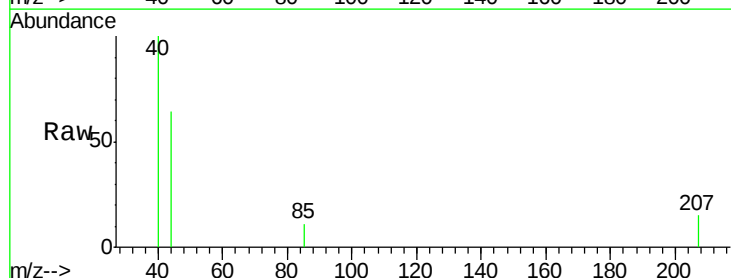
Acq: 23 Sep 2020 15:00

Tgt Ion: 85 Resp: 286

Ion Ratio Lower Upper

85 100

87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

400

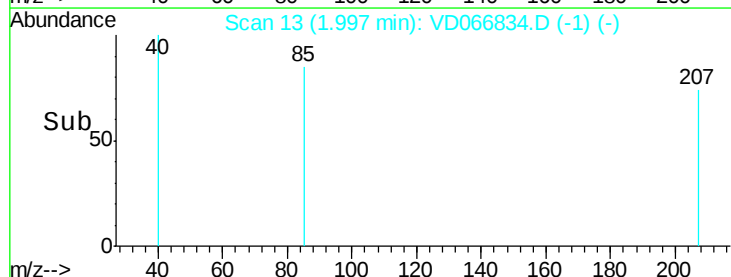
300

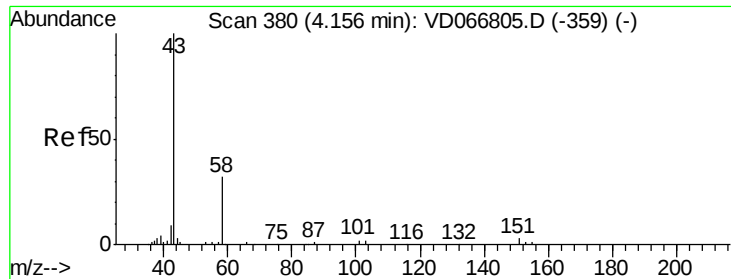
200

100

0

Time-->





#16

Acetone

Concen: 3.278 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD066834.D

Acq: 23 Sep 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

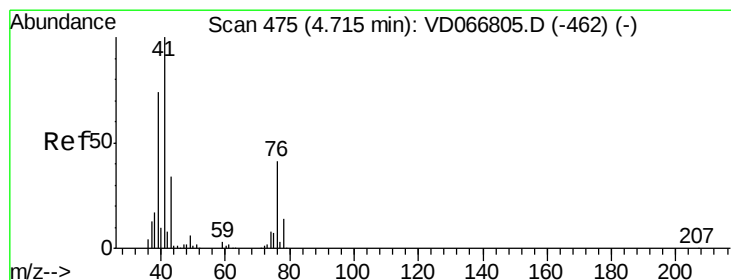
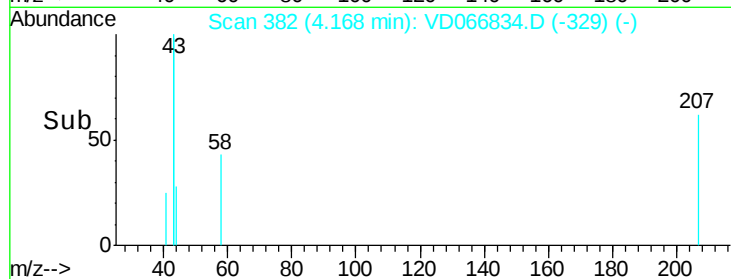
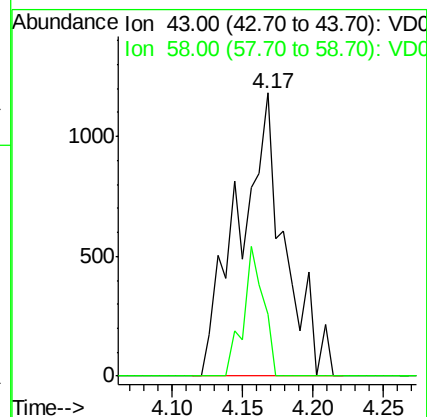
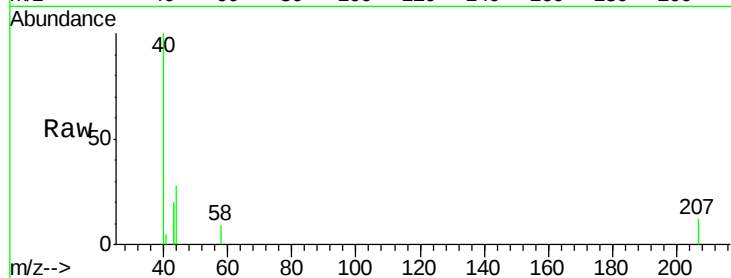
KTS-SB-02-91-92

Tgt Ion: 43 Resp: 2684

Ion Ratio Lower Upper

43 100

58 21.8 25.6 38.4#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.64 min Scan# 462

Delta R.T. -0.08 min

Lab File: VD066834.D

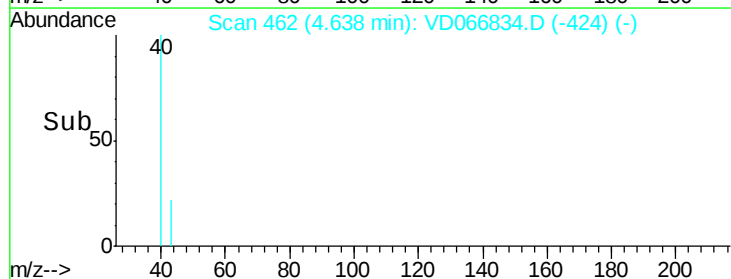
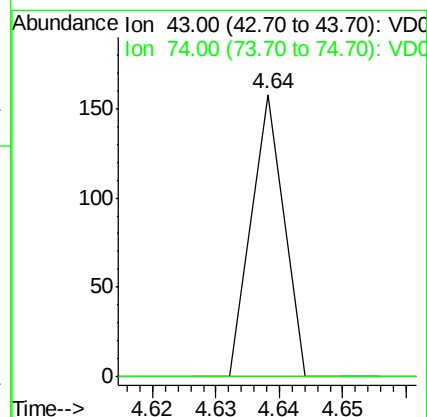
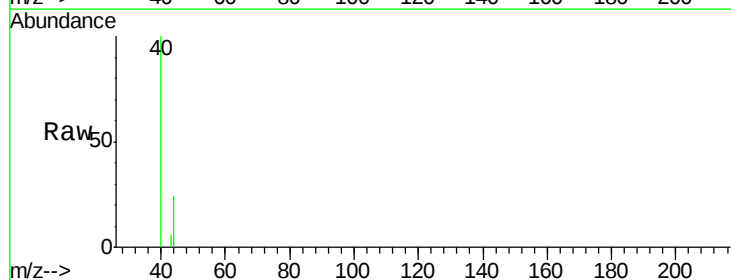
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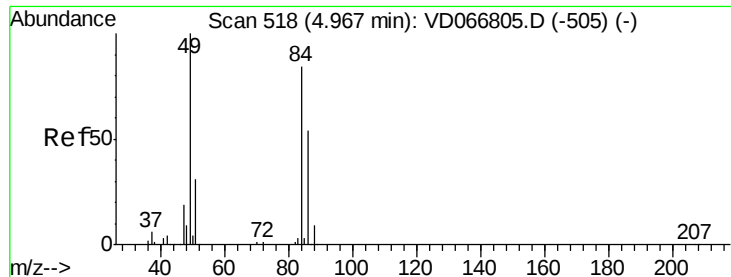
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

74 0.0 20.3 30.5#

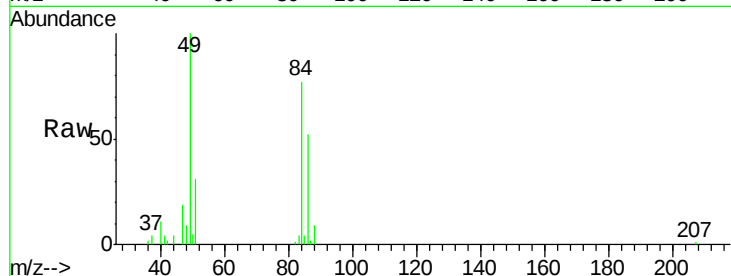




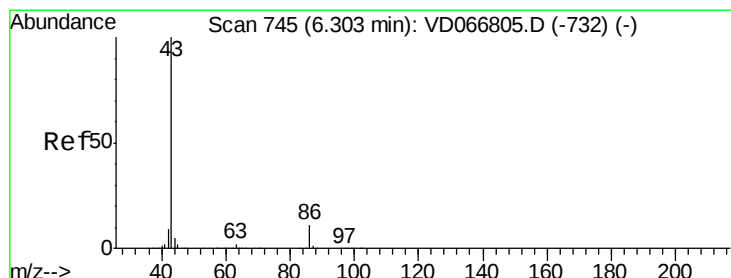
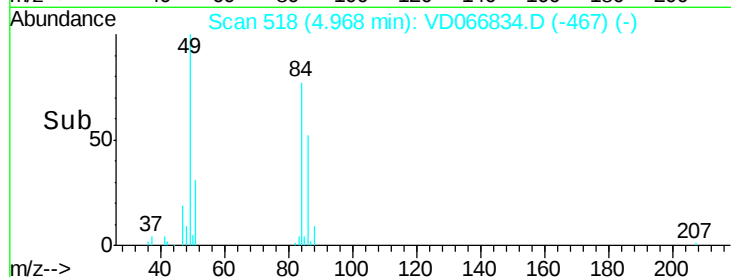
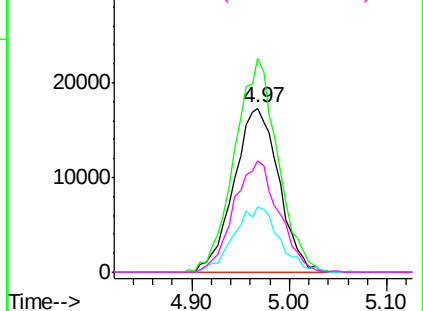
#20
Methylene Chloride
Concen: 7.680 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066834.D
Acq: 23 Sep 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
KTS-SB-02-91-92

Tgt Ion: 84 Resp: 55705
Ion Ratio Lower Upper
84 100
49 130.0 95.4 143.2
51 39.7 29.7 44.5
86 68.1 51.4 77.2

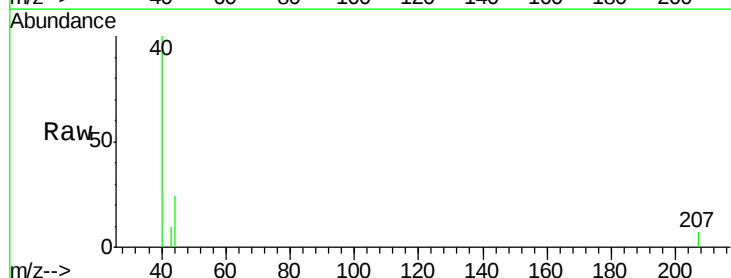


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

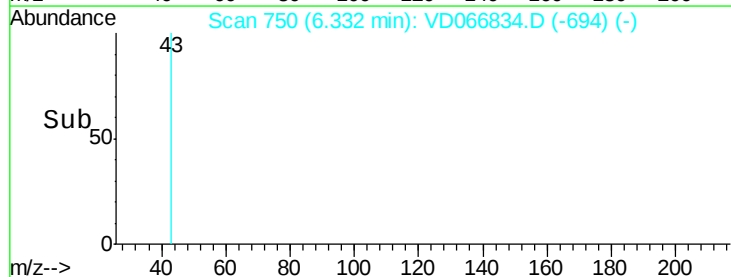
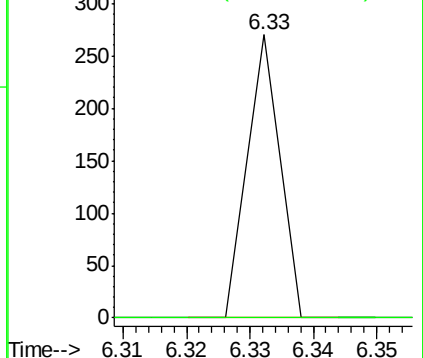


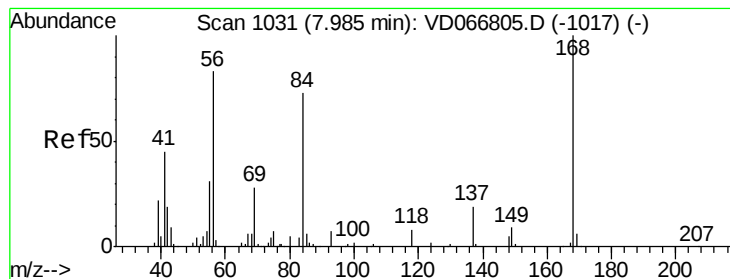
#23
Vinyl Acetate
Concen: 2.687 ug/l
RT: 6.33 min Scan# 750
Delta R.T. 0.03 min
Lab File: VD066834.D
Acq: 23 Sep 2020 15:00

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC





#31

Cyclohexane

Concen: 1.279 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066834.D

Acq: 23 Sep 2020 15:00

Instrument :

MSVOA_D

ClientSampleID :

KTS-SB-02-91-92

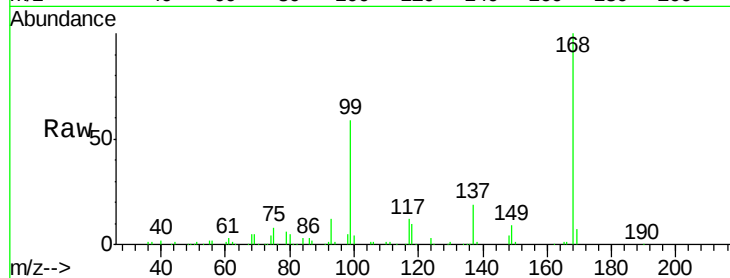
Tgt Ion: 56 Resp: 8976

Ion Ratio Lower Upper

56 100

69 198.1 27.0 40.4#

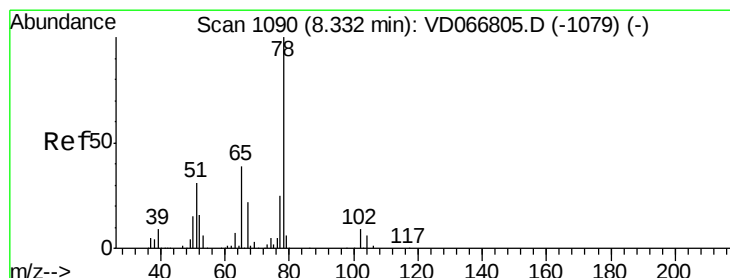
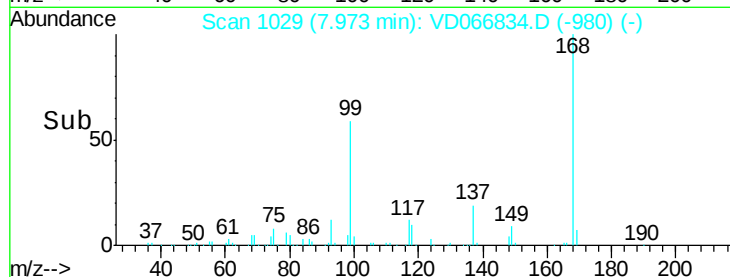
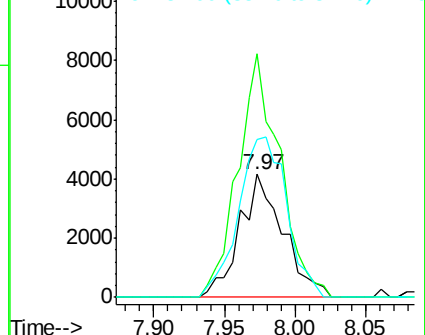
84 128.9 70.2 105.4#



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: 55.271 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066834.D

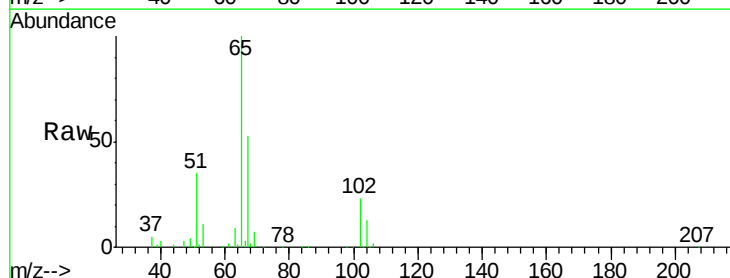
Acq: 23 Sep 2020 15:00

Tgt Ion: 65 Resp: 213306

Ion Ratio Lower Upper

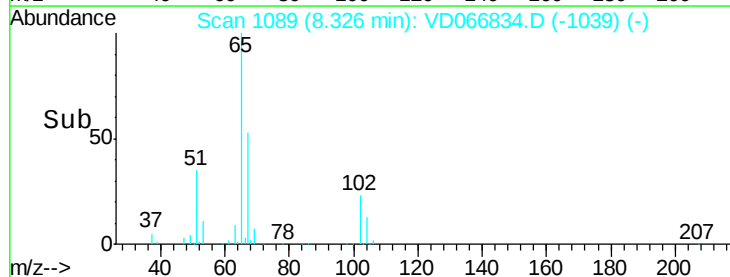
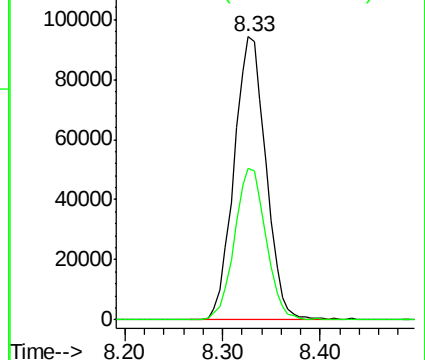
65 100

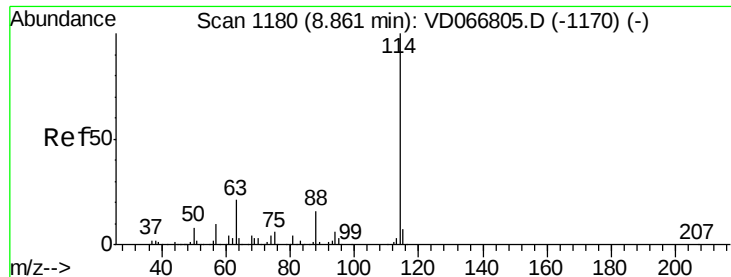
67 52.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

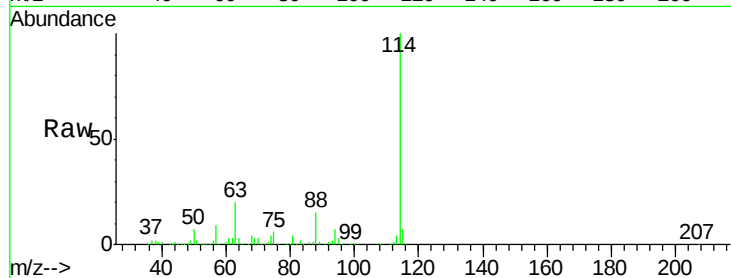




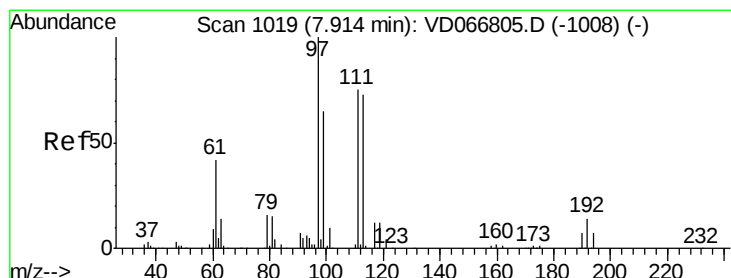
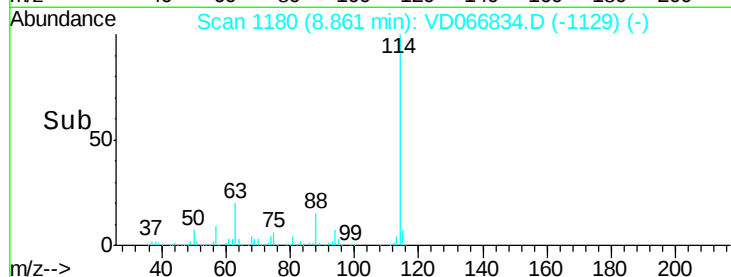
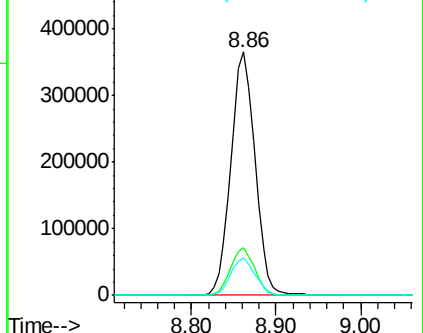
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066834.D
 Acq: 23 Sep 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-91-92

Tgt Ion:	114	Resp:	718951
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.6
88	15.4	0.0	32.6

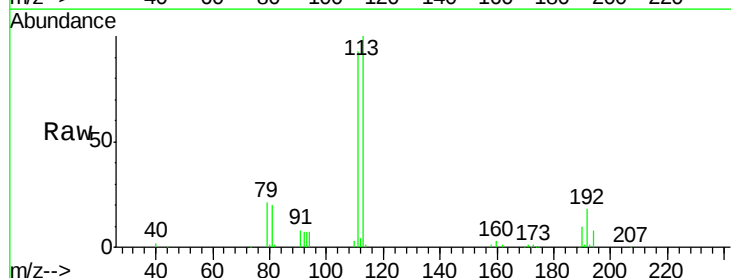


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

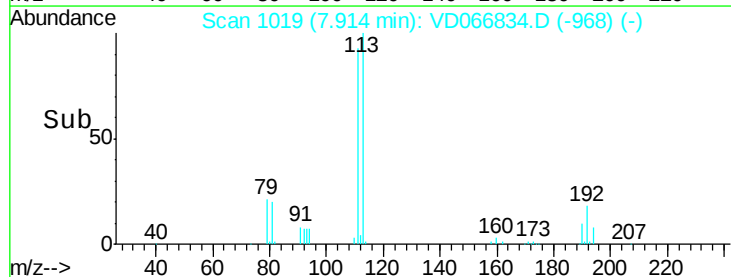
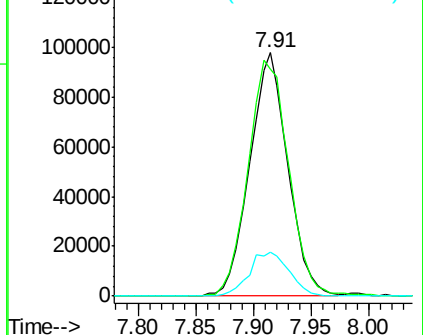


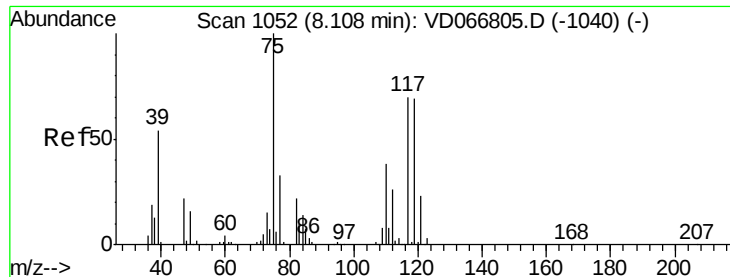
#35
 Dibromofluoromethane
 Concen: 49.209 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066834.D
 Acq: 23 Sep 2020 15:00

Tgt Ion:	113	Resp:	225082
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	19.1	14.4	21.6



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

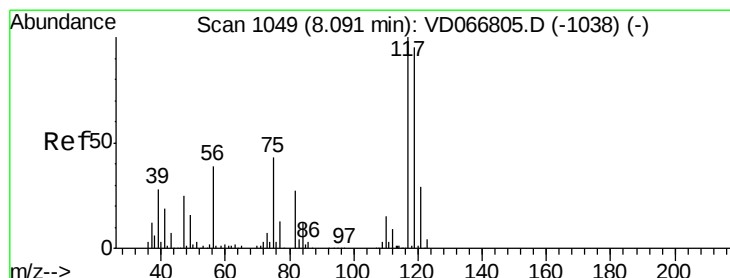
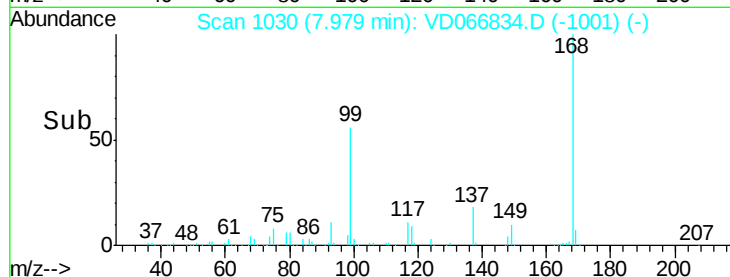
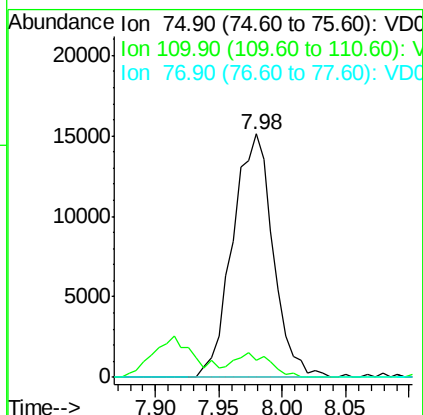
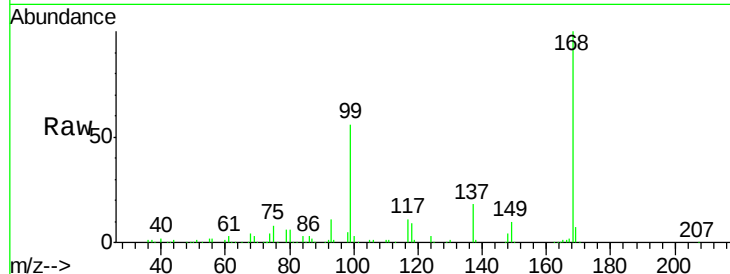




#36
 1,1-Dichloropropene
 Concen: 4.686 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD066834.D
 Acq: 23 Sep 2020 15:00

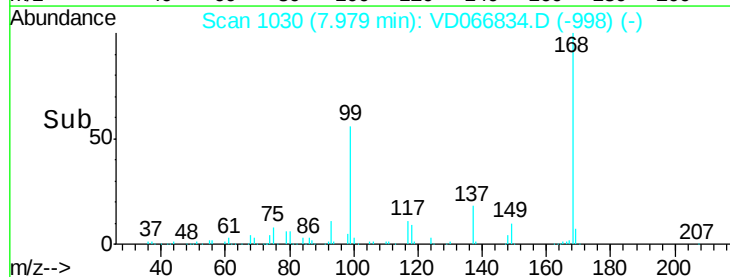
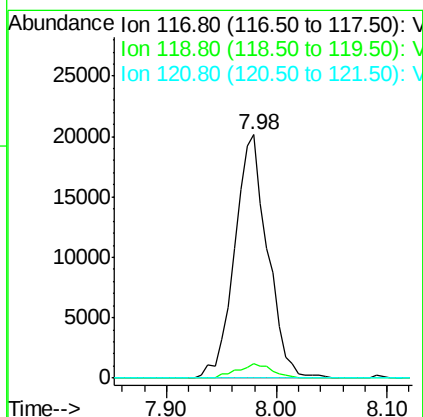
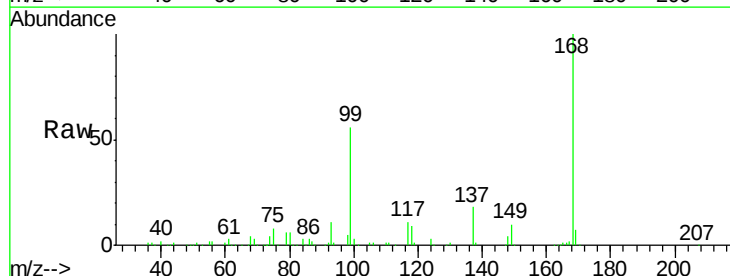
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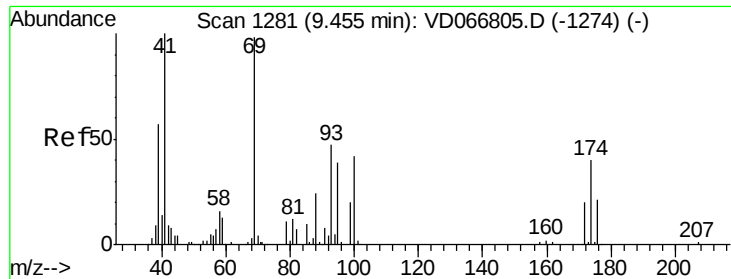
Tgt Ion: 75 Resp: 33423
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.9 53.8#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.409 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.11 min
 Lab File: VD066834.D
 Acq: 23 Sep 2020 15:00

Tgt Ion: 117 Resp: 42181
 Ion Ratio Lower Upper
 117 100
 119 5.8 75.8 113.8#
 121 0.0 23.4 35.0#

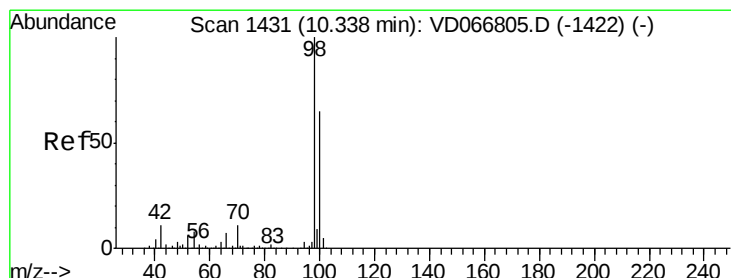
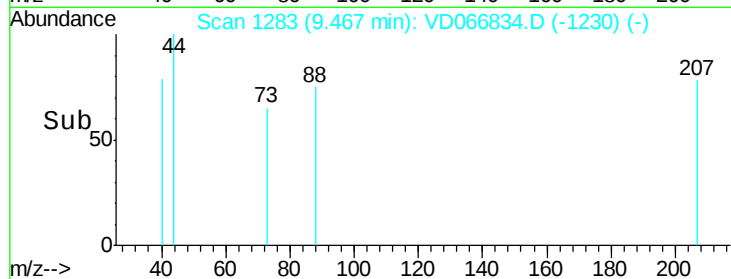
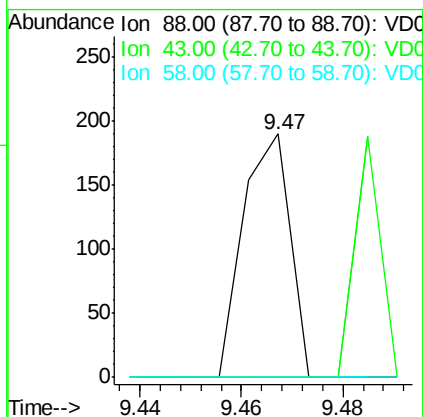
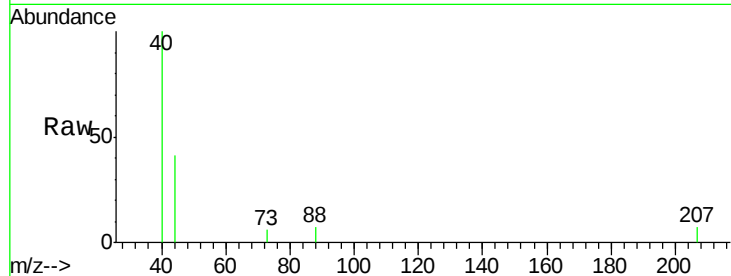




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD066834.D
Acq: 23 Sep 2020 15:00

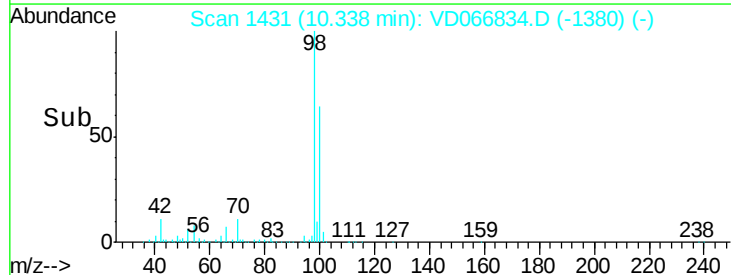
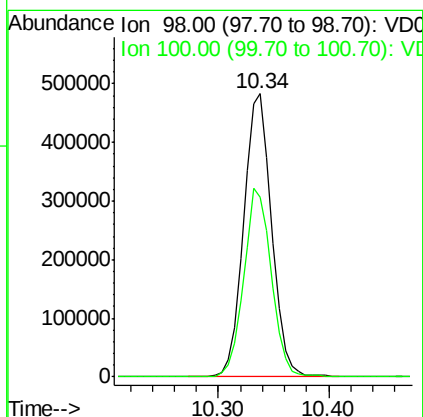
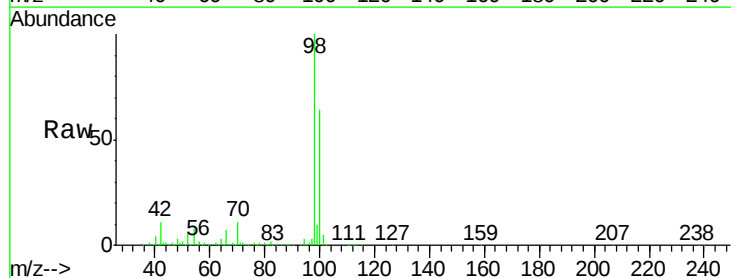
Instrument :
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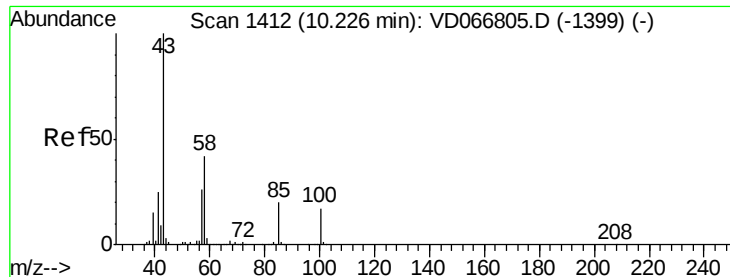
Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 54.5 27.7 41.5#
58 0.0 55.5 83.3#



#50
Toluene-d8
Concen: 55.099 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066834.D
Acq: 23 Sep 2020 15:00

Tgt Ion: 98 Resp: 858674
Ion Ratio Lower Upper
98 100
100 65.9 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 1.559 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD066834.D

Acq: 23 Sep 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

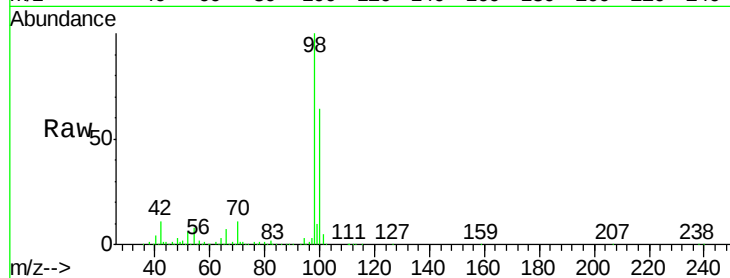
KTS-SB-02-91-92

Tgt Ion: 43 Resp: 3927

Ion Ratio Lower Upper

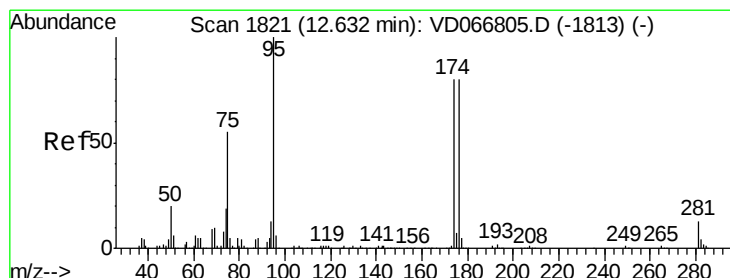
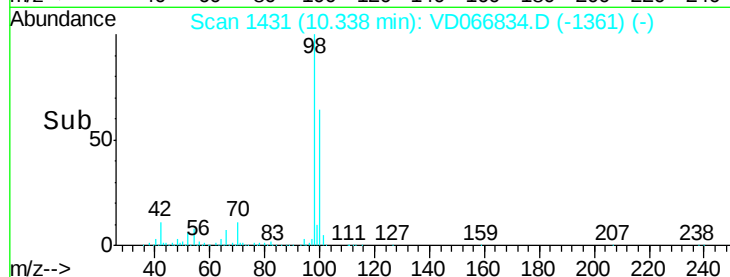
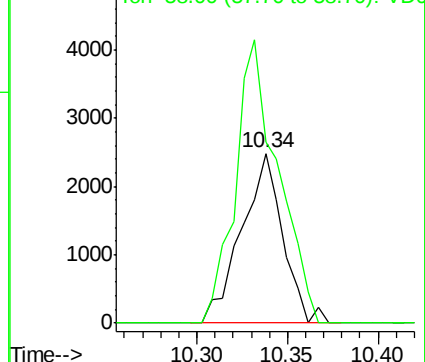
43 100

58 172.6 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 54.861 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066834.D

Acq: 23 Sep 2020 15:00

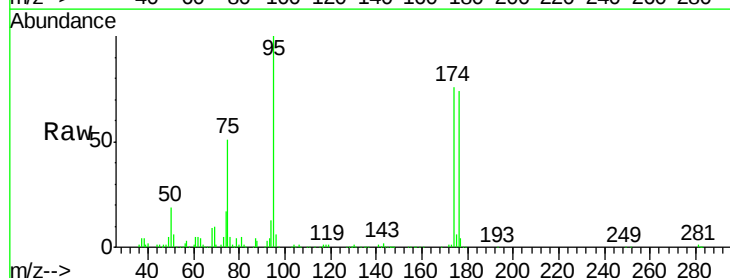
Tgt Ion: 95 Resp: 292686

Ion Ratio Lower Upper

95 100

174 78.1 0.0 159.8

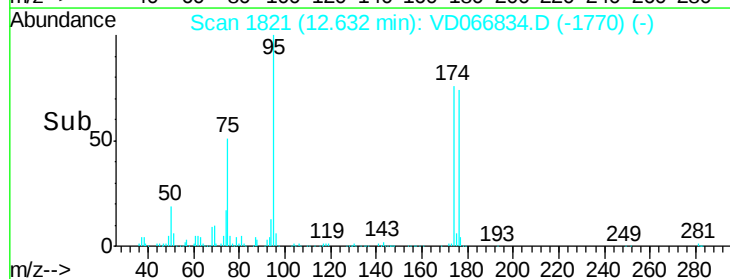
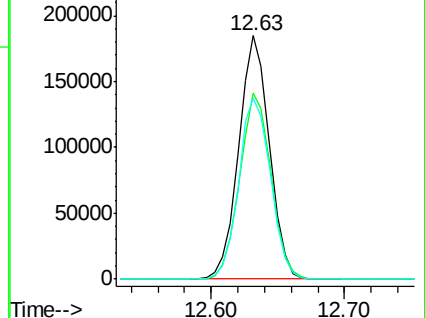
176 76.9 0.0 154.4

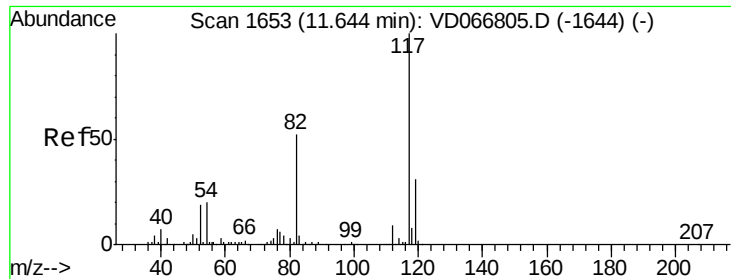


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

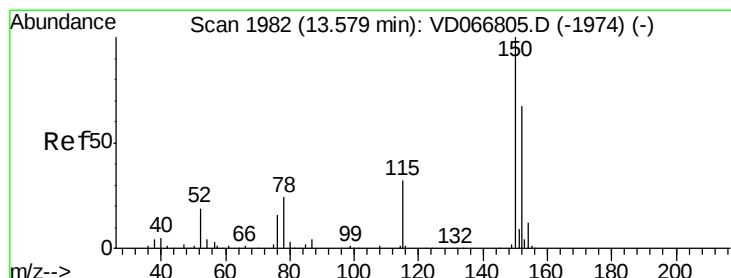
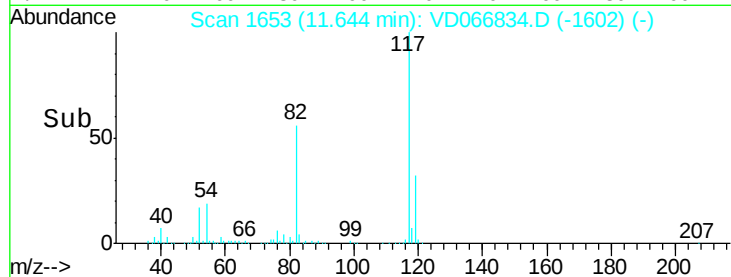
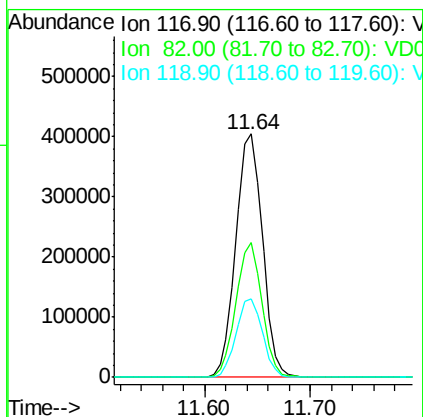
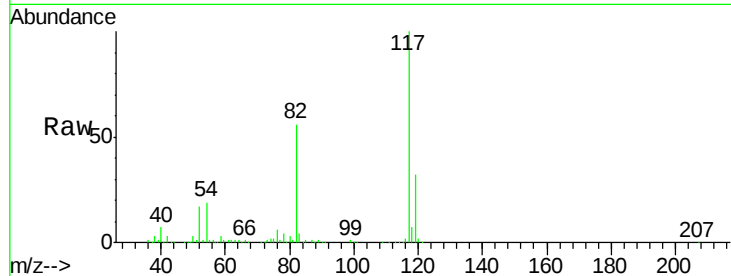




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066834.D
Acq: 23 Sep 2020 15:00

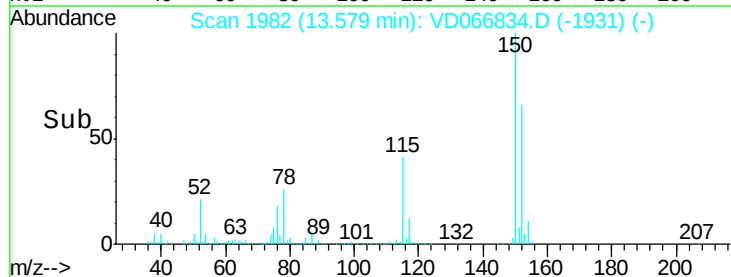
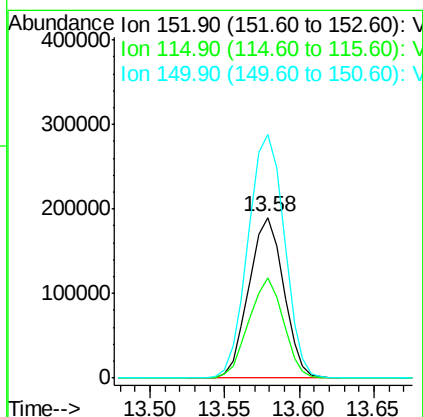
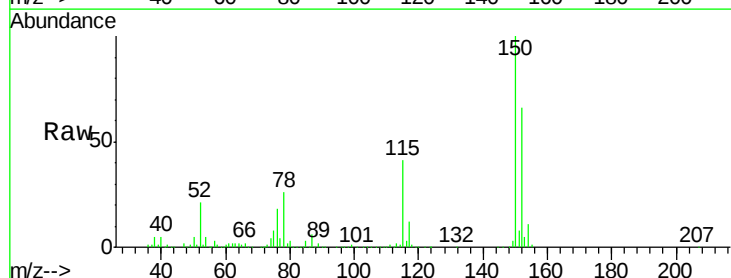
Instrument :
MSVOA_D
ClientSampleId :
KTS-SB-02-91-92

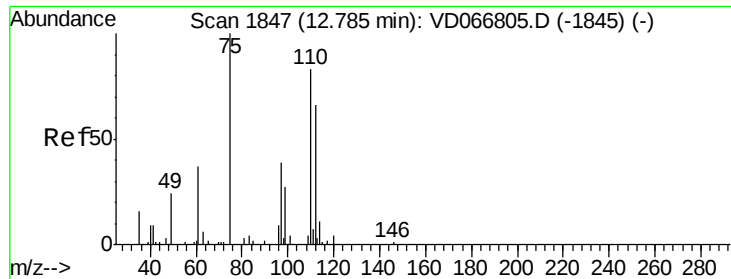
Tgt Ion:117 Resp: 706877
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.6
119 32.0 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066834.D
Acq: 23 Sep 2020 15:00

Tgt Ion:152 Resp: 307489
Ion Ratio Lower Upper
152 100
115 62.0 30.3 91.0
150 158.1 0.0 346.2

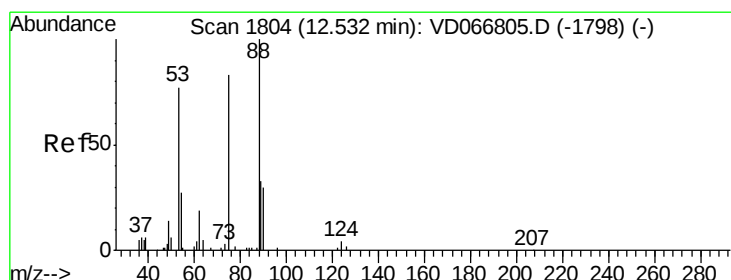
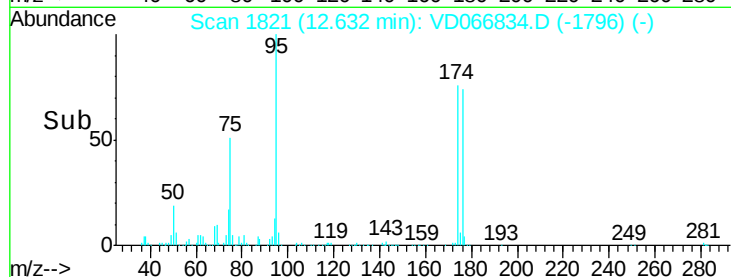
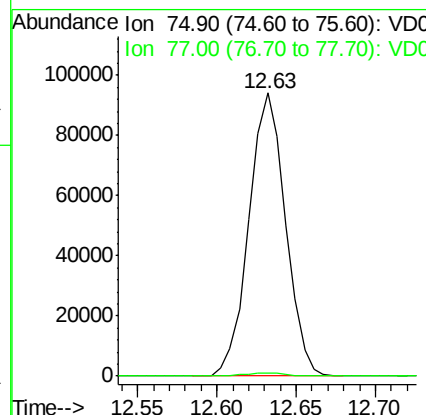
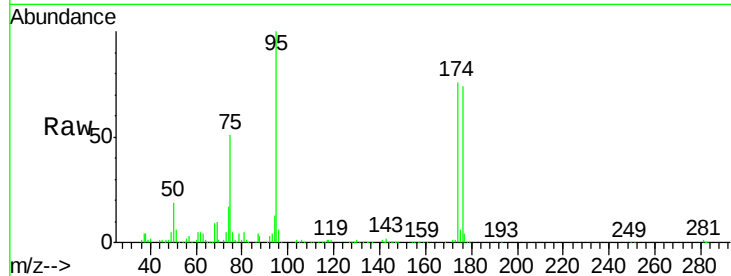




#76
 1,2,3-Trichloropropane
 Concen: 59.434 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066834.D
 Acq: 23 Sep 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-91-92

Tgt Ion: 75 Resp: 151450
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.697 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066834.D
 Acq: 23 Sep 2020 15:00

Tgt Ion: 75 Resp: 151450
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 38.1 57.1#

