

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
 Data File : VD066833.D
 Acq On : 23 Sep 2020 14:33
 Operator : VA/SY
 Sample : L4112-01
 Misc : 6.42G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-31-32

Quant Time: Sep 23 15:02:40 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	405286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	732103	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	731665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319811	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	237376	59.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.68%	
35) Dibromofluoromethane	7.91	113	234482	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	883875	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	
62) 4-Bromofluorobenzene	12.63	95	300729	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	

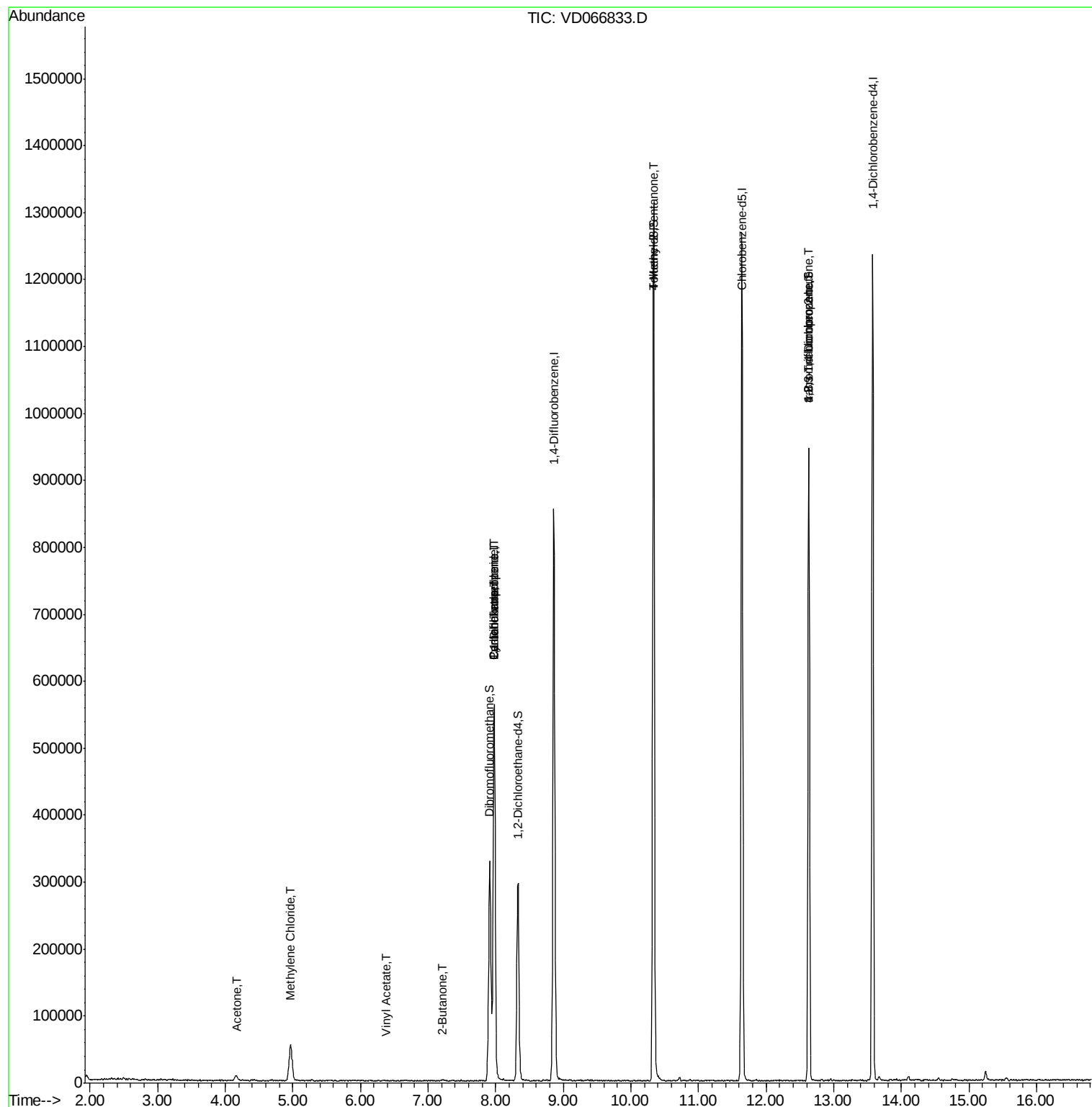
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	297	Below Cal	#	46
16) Acetone	4.16	43	14241	16.924	ug/l	100
18) Methyl Acetate	4.73	43	266	Below Cal	#	50
20) Methylene Chloride	4.97	84	42977	4.122	ug/l	93
23) Vinyl Acetate	6.37	43	69	2.682	ug/l #	71
25) 2-Butanone	7.21	43	1671	1.652	ug/l #	46
31) Cyclohexane	7.98	56	9597	1.331	ug/l #	21
36) 1,1-Dichloropropene	7.97	75	33762	4.648	ug/l #	50
38) Carbon Tetrachloride	7.97	117	43852	5.523	ug/l #	18
51) 4-Methyl-2-Pentanone	10.34	43	4024	1.569	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	156313	58.979	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	156313	147.559	ug/l #	10

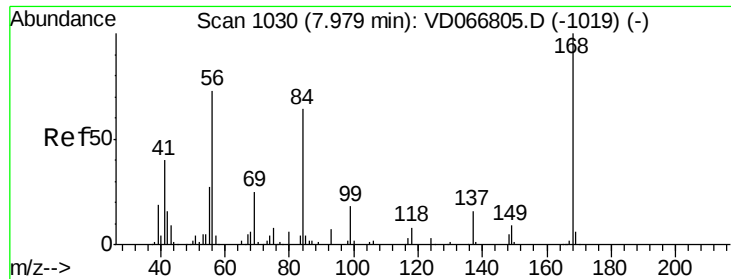
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VD066833.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

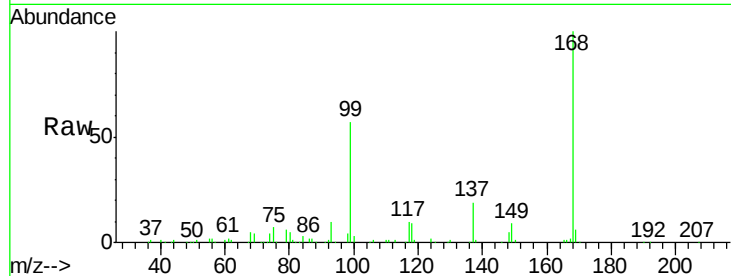
KTS-SB-02-31-32

Tgt Ion:168 Resp: 405286

Ion Ratio Lower Upper

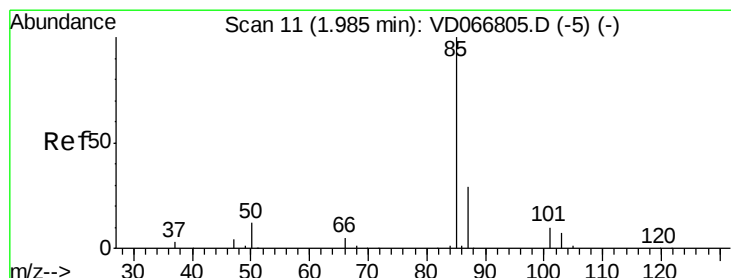
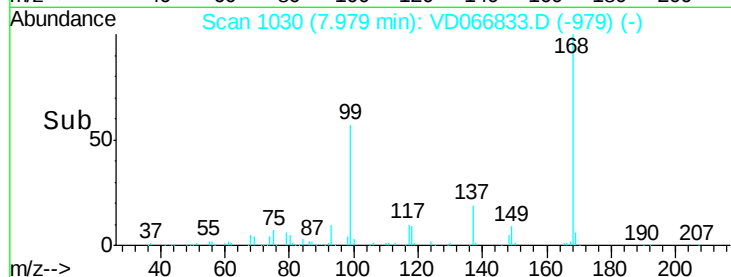
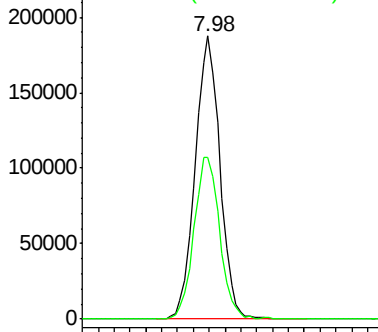
168 100

99 57.0 46.6 69.8



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: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066833.D

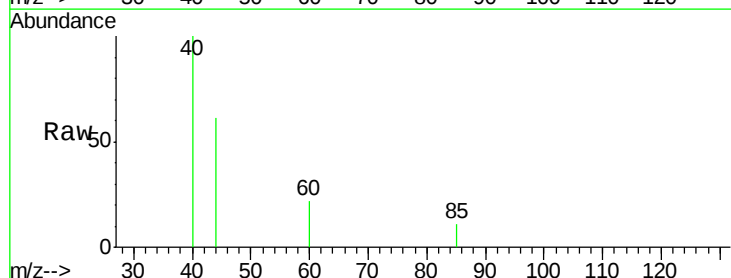
Acq: 23 Sep 2020 14:33

Tgt Ion: 85 Resp: 297

Ion Ratio Lower Upper

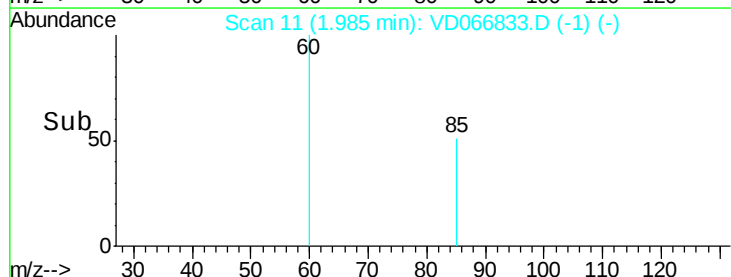
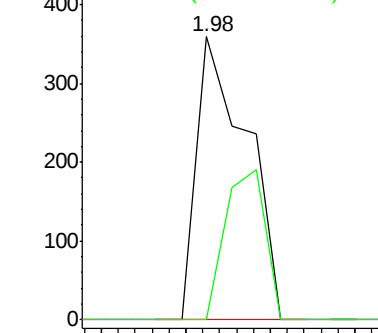
85 100

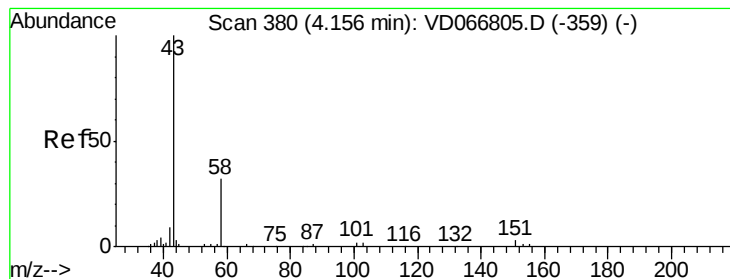
87 0.0 14.5 43.5#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#16

Acetone

Concen: 16.924 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066833.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

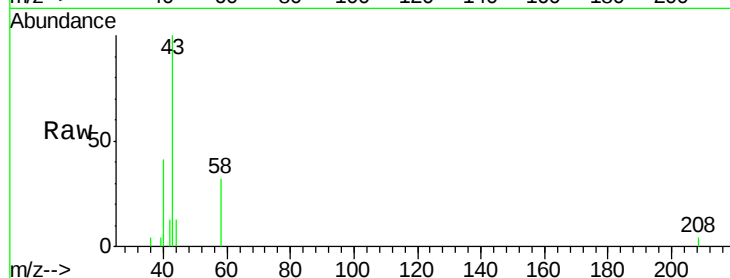
KTS-SB-02-31-32

Tgt Ion: 43 Resp: 14241

Ion Ratio Lower Upper

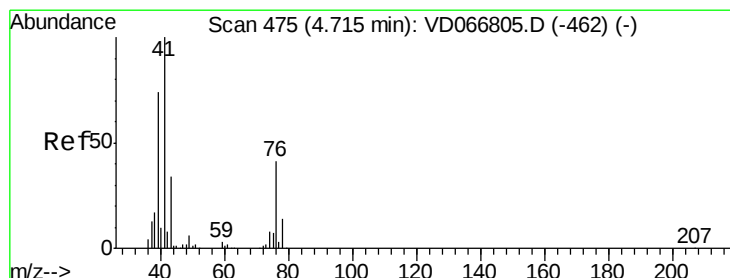
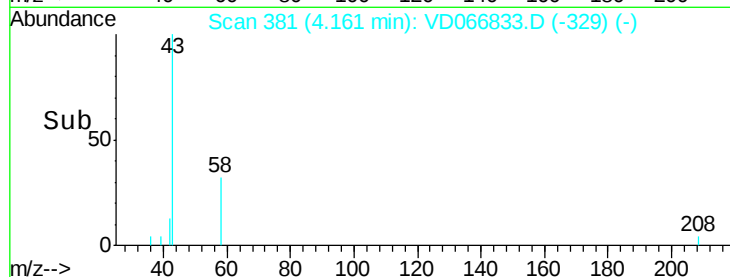
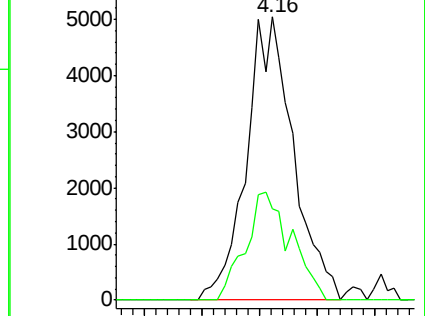
43 100

58 32.1 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#18

Methyl Acetate

Concen: Below Cal

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD066833.D

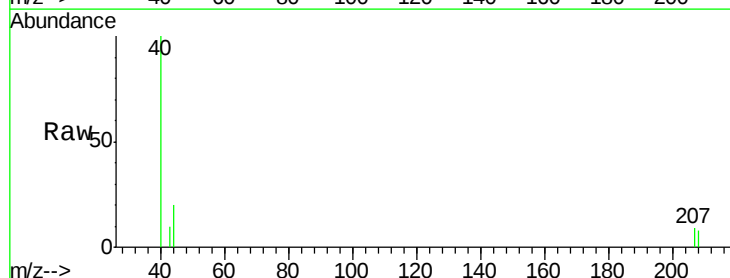
Acq: 23 Sep 2020 14:33

Tgt Ion: 43 Resp: 266

Ion Ratio Lower Upper

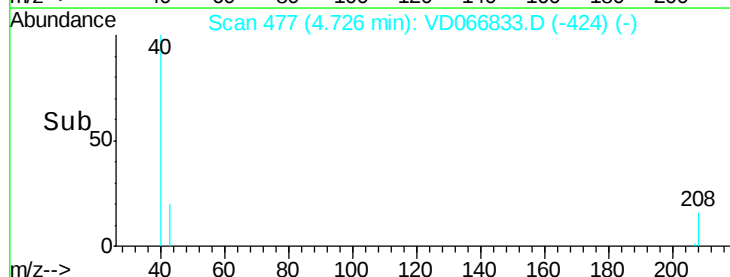
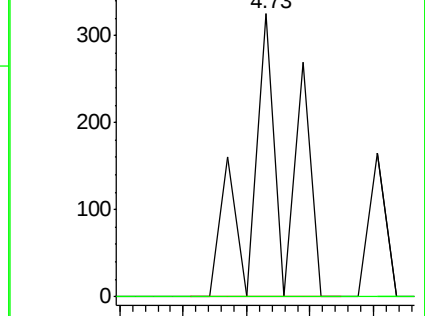
43 100

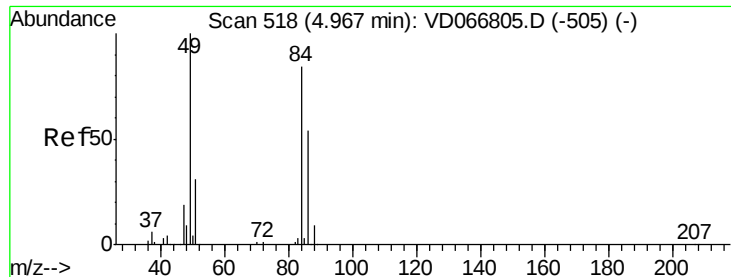
74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

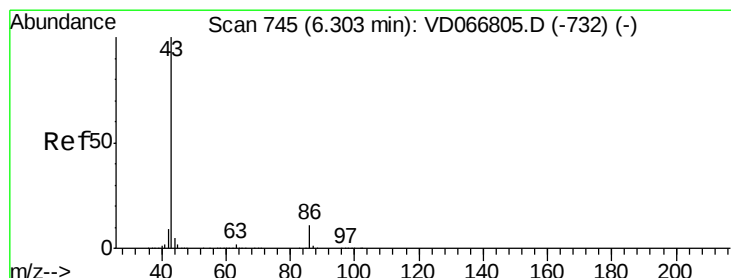
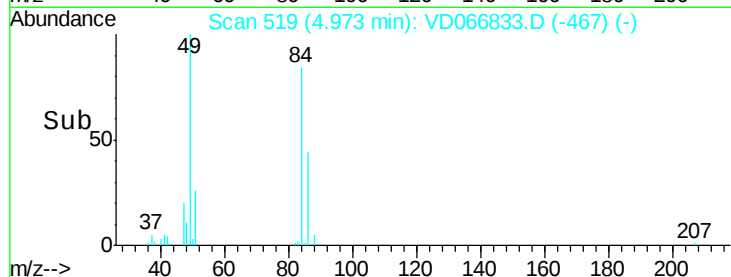
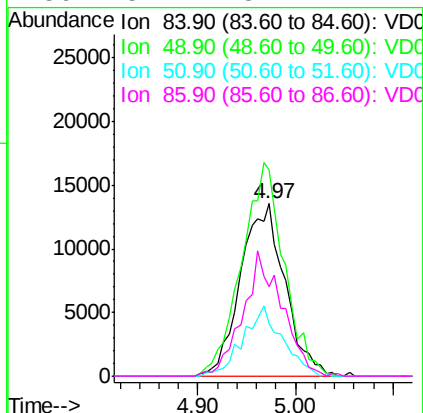
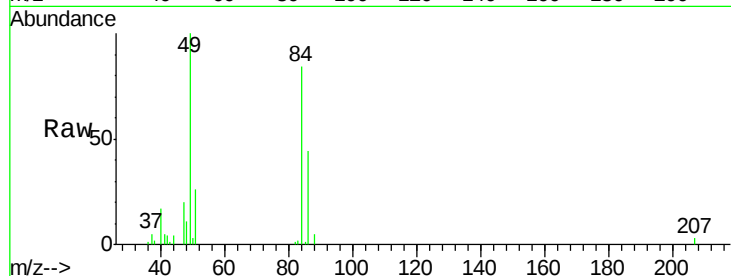




#20
Methylene Chloride
Concen: 4.122 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD066833.D
Acq: 23 Sep 2020 14:33

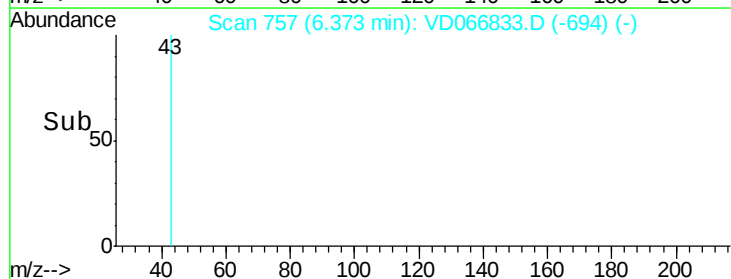
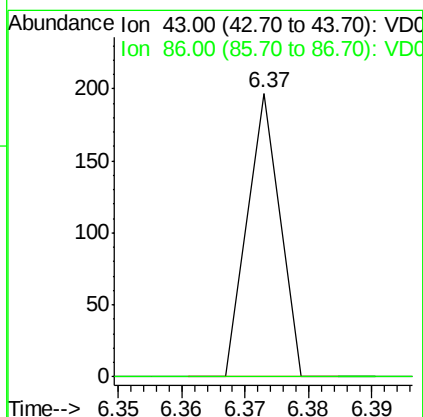
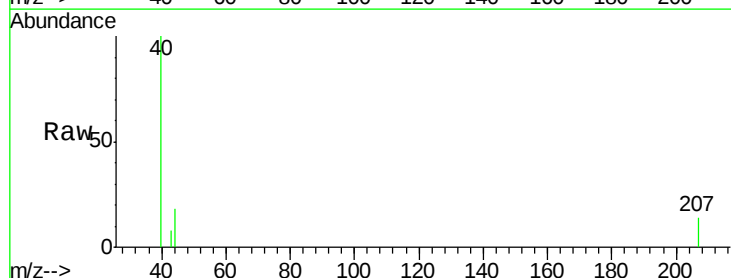
Instrument :
MSVOA_D
ClientSampleId :
KTS-SB-02-31-32

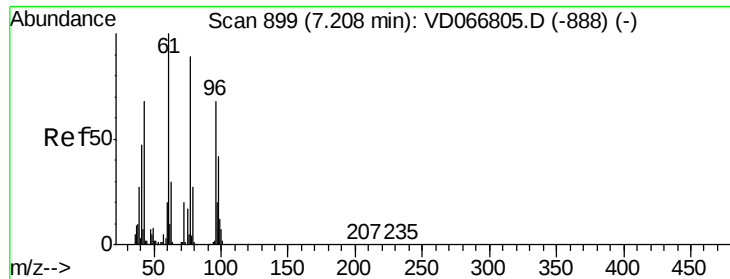
Tgt Ion:	84	Resp:	42977
Ion	Ratio	Lower	Upper
84	100		
49	119.6	95.4	143.2
51	30.6	29.7	44.5
86	52.1	51.4	77.2



#23
Vinyl Acetate
Concen: 2.682 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.07 min
Lab File: VD066833.D
Acq: 23 Sep 2020 14:33

Tgt Ion:	43	Resp:	69
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.9	13.3#





#25

2-Butanone

Concen: 1.652 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066833.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

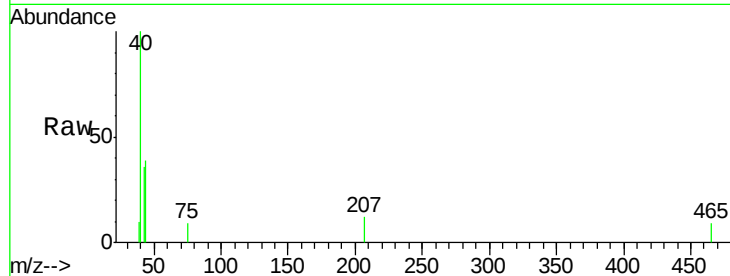
KTS-SB-02-31-32

Tgt Ion: 43 Resp: 1671

Ion Ratio Lower Upper

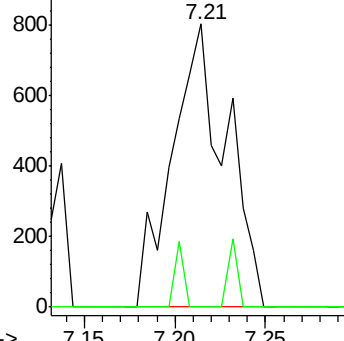
43 100

72 0.0 22.9 34.3#

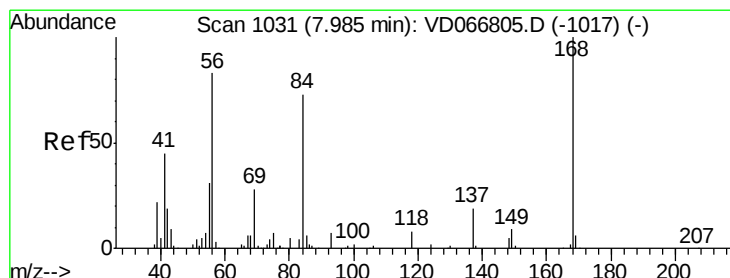
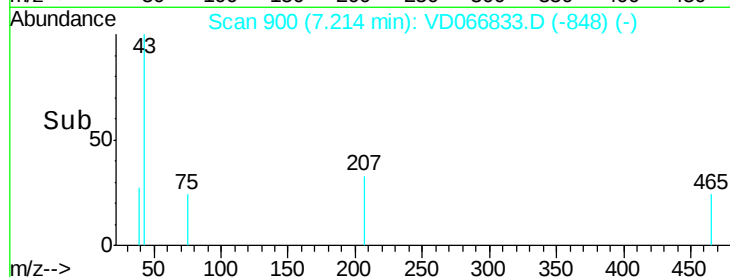


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.331 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066833.D

Acq: 23 Sep 2020 14:33

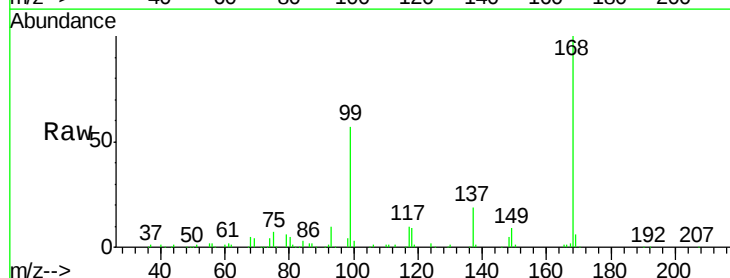
Tgt Ion: 56 Resp: 9597

Ion Ratio Lower Upper

56 100

69 153.1 27.0 40.4#

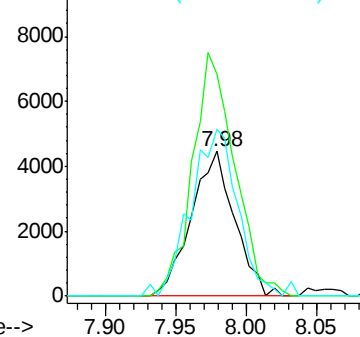
84 115.0 70.2 105.4#



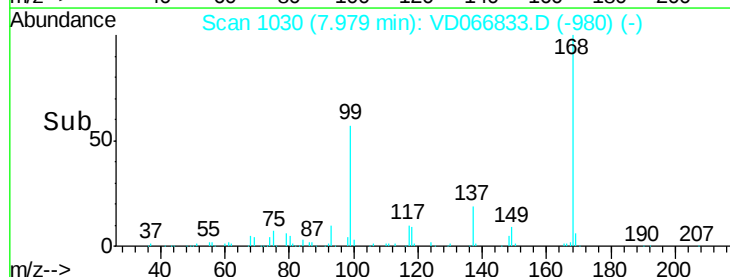
Abundance Ion 56.00 (55.70 to 56.70): VDC

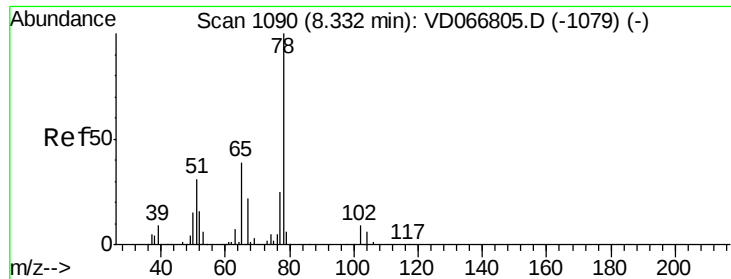
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



Time-->

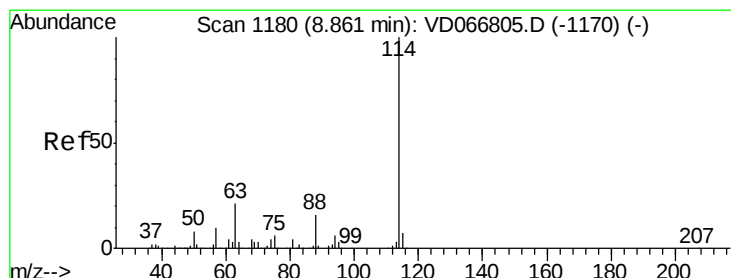
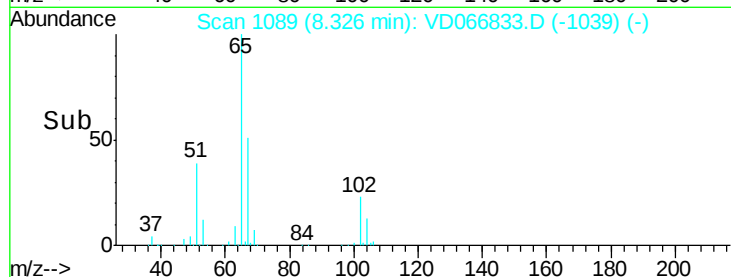
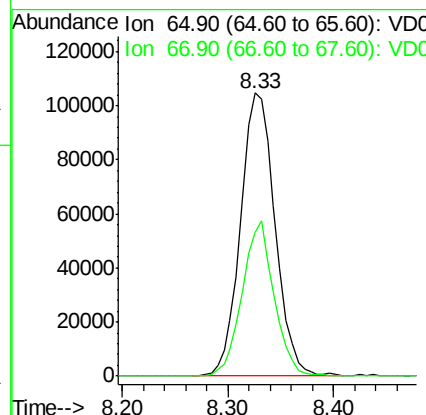
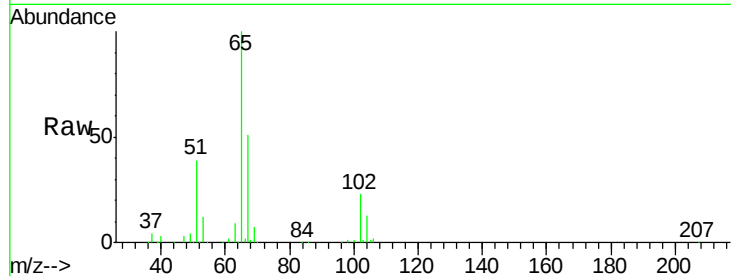




#33
 1,2-Dichloroethane-d4
 Concen: 59.841 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

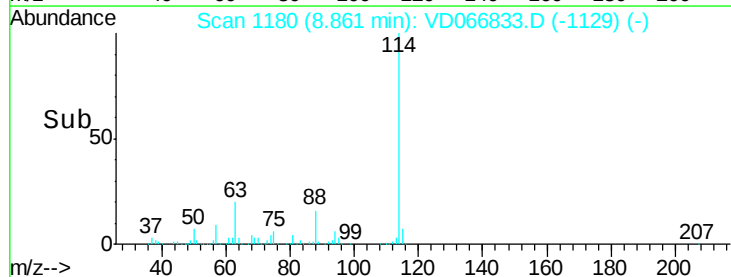
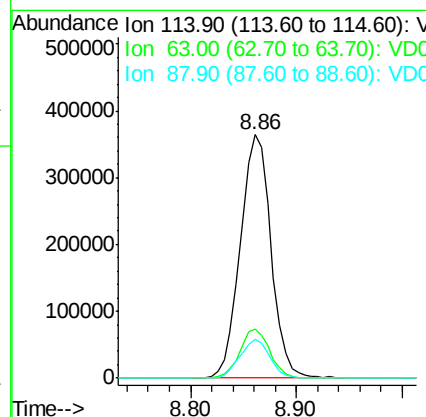
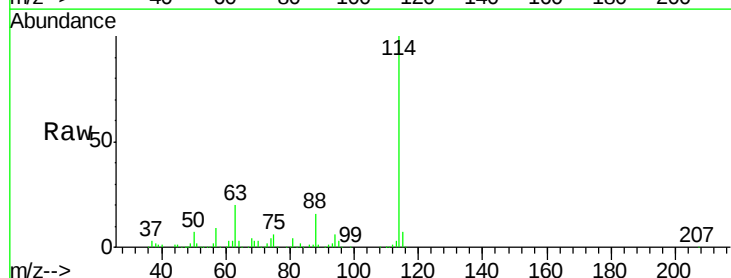
Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-31-32

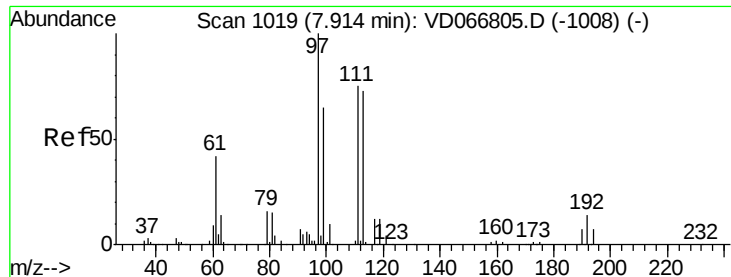
Tgt Ion: 65 Resp: 237376
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

Tgt Ion: 114 Resp: 732103
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 42.6
 88 15.7 0.0 32.6

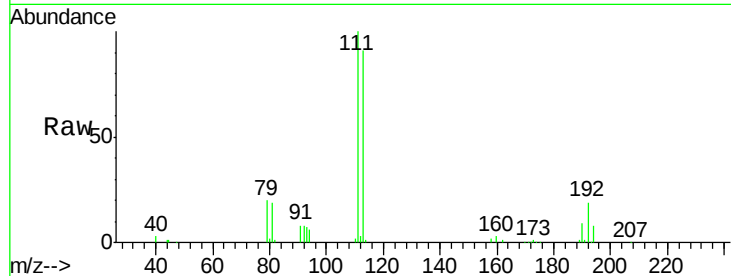




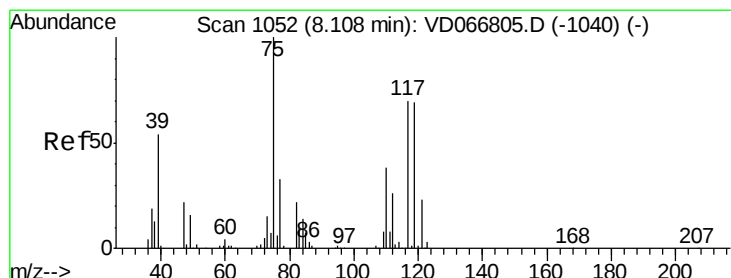
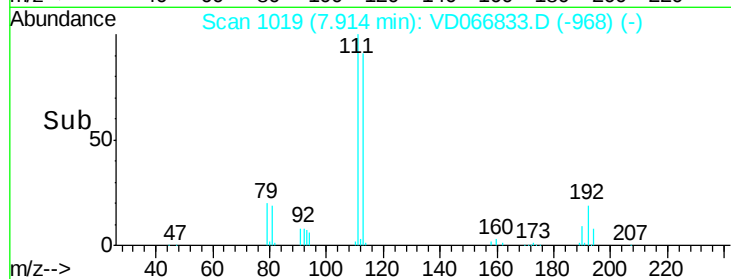
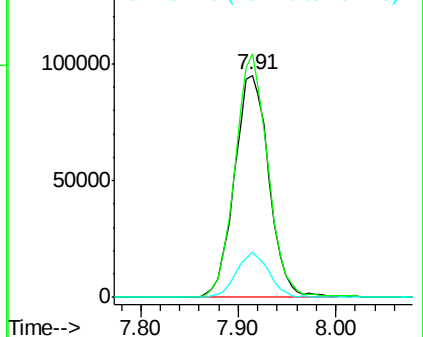
#35
 Dibromofluoromethane
 Concen: 50.344 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-31-32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.8	122.8
192	19.3	14.4	21.6

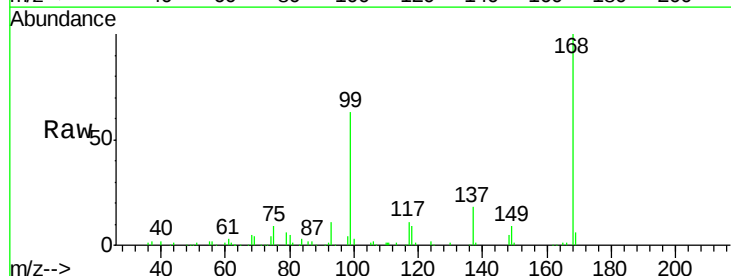


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

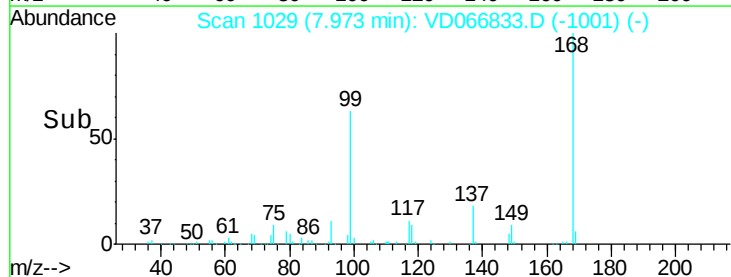
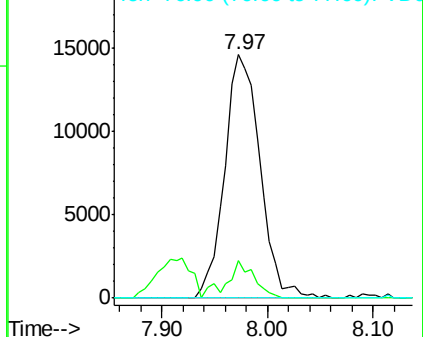


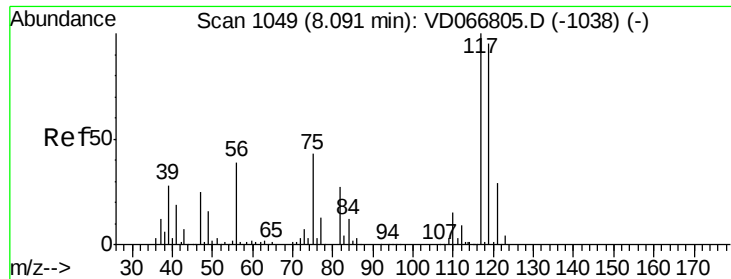
#36
 1,1-Dichloropropene
 Concen: 4.648 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.9	53.8#
77	0.0	25.0	37.6#



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





#38

Carbon Tetrachloride

Concen: 5.523 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066833.D

Acq: 23 Sep 2020 14:33

Instrument :

MSVOA_D

ClientSampleId :

KTS-SB-02-31-32

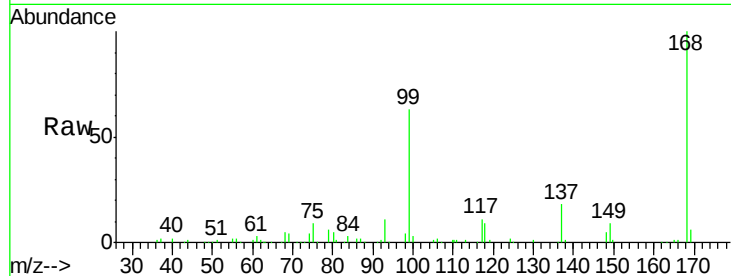
Tgt Ion:117 Resp: 43852

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.8#

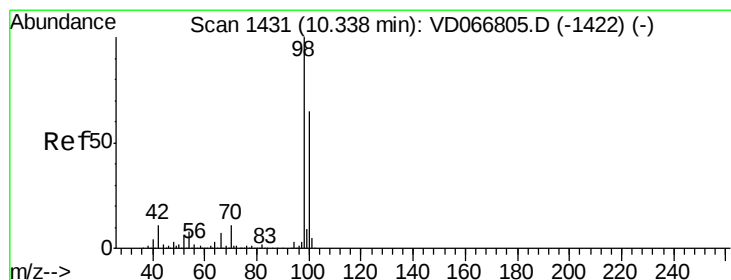
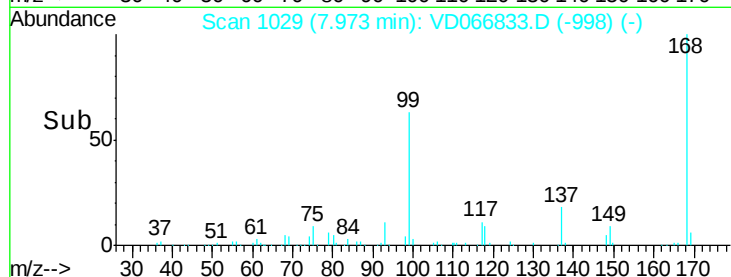
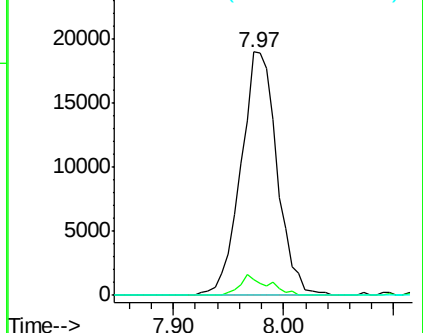
121 0.0 23.4 35.0#



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



#50

Toluene-d8

Concen: 55.697 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066833.D

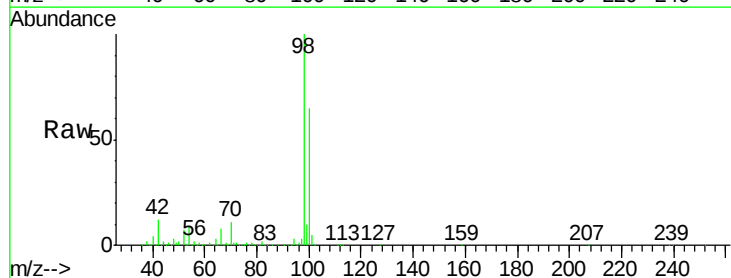
Acq: 23 Sep 2020 14:33

Tgt Ion: 98 Resp: 883875

Ion Ratio Lower Upper

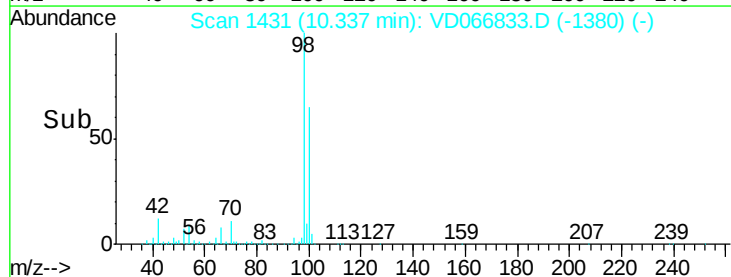
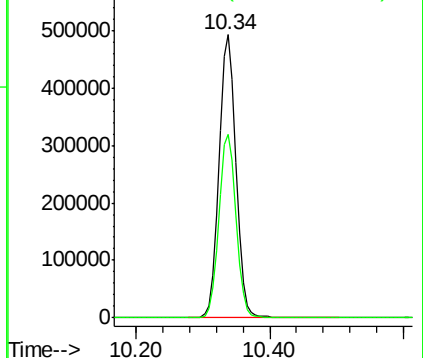
98 100

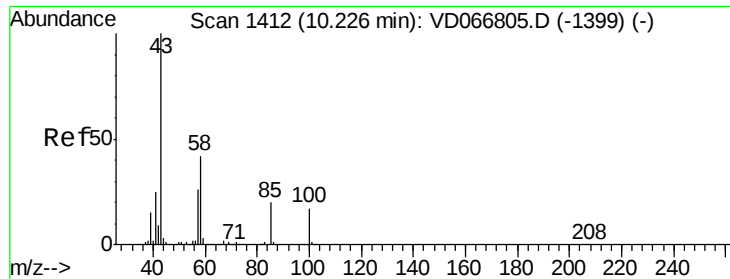
100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

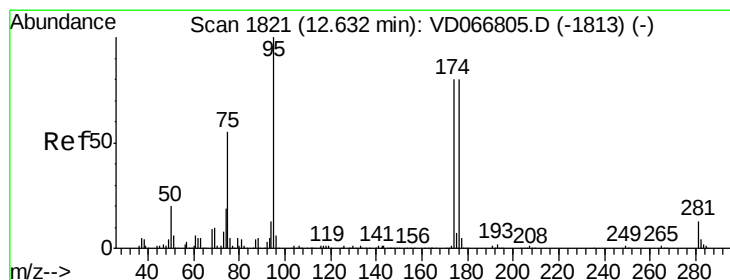
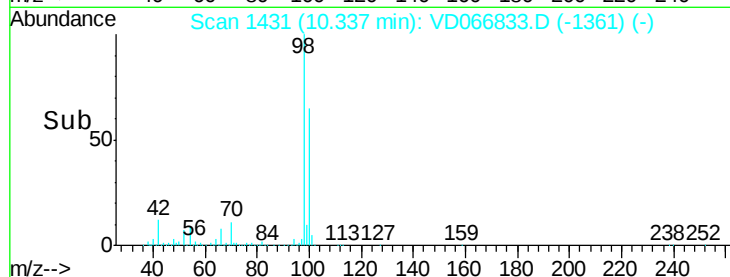
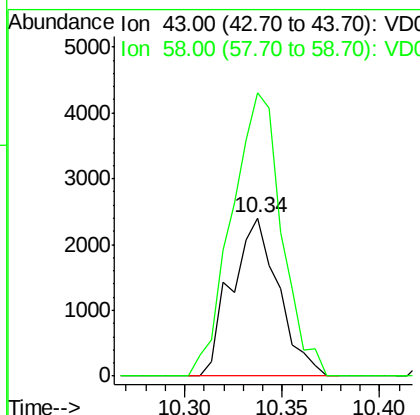
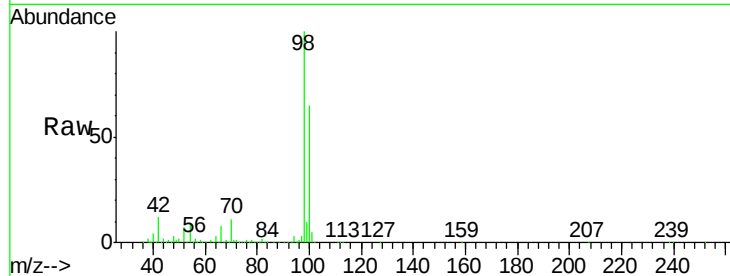




#51
 4-Methyl-2-Pentanone
 Concen: 1.569 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.11 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

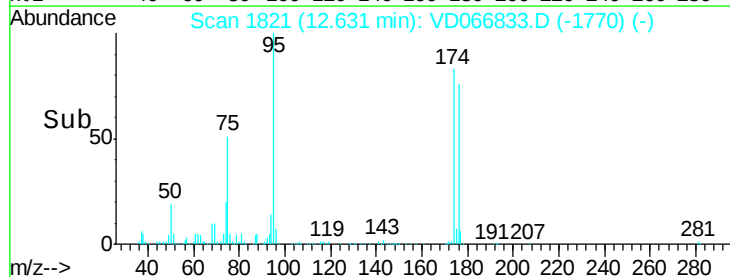
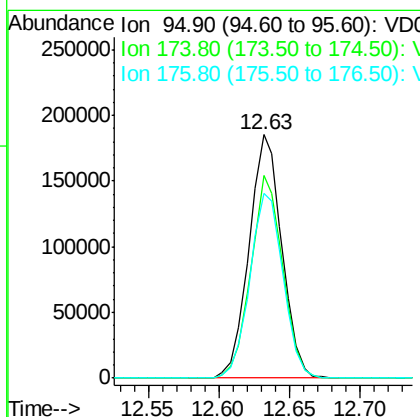
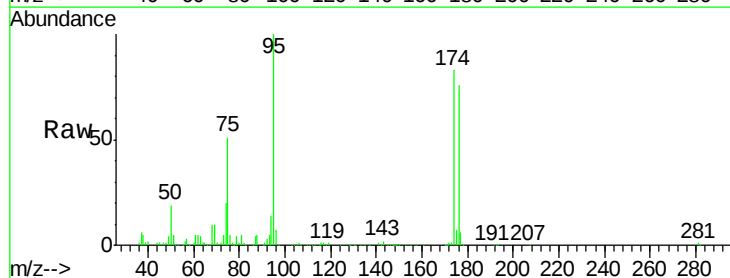
Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-31-32

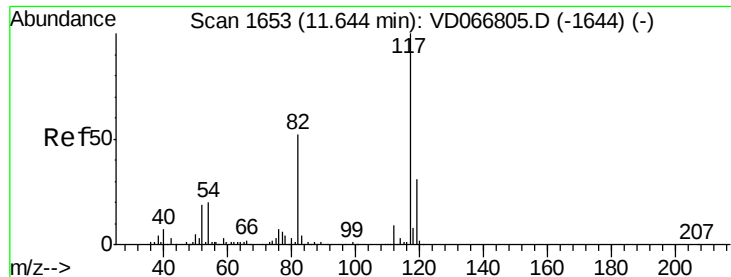
Tgt Ion: 43 Resp: 4024
 Ion Ratio Lower Upper
 43 100
 58 190.1 32.2 48.4#



#62
 4-Bromofluorobenzene
 Concen: 55.356 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

Tgt Ion: 95 Resp: 300729
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 159.8
 176 77.3 0.0 154.4

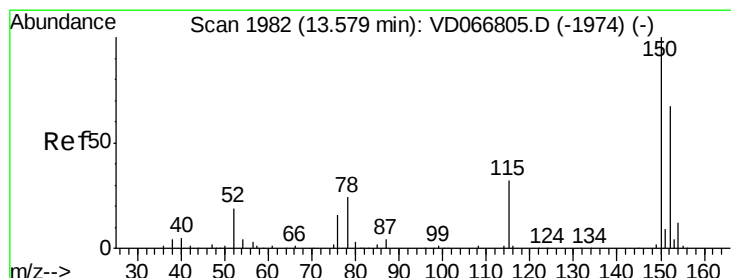
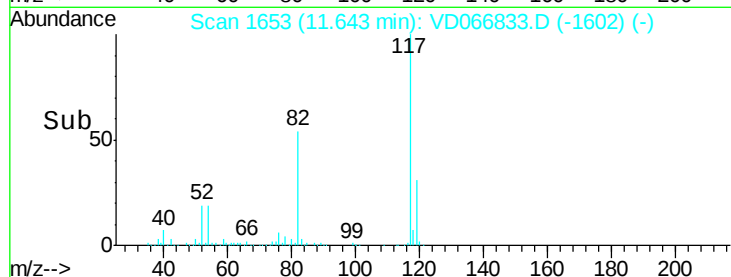
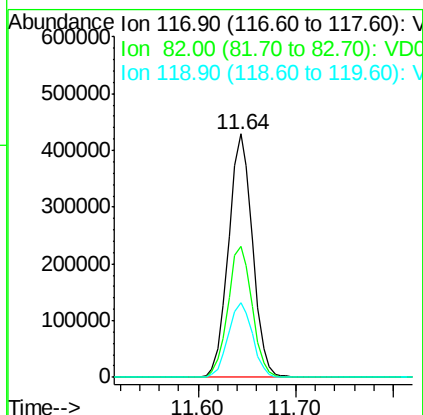
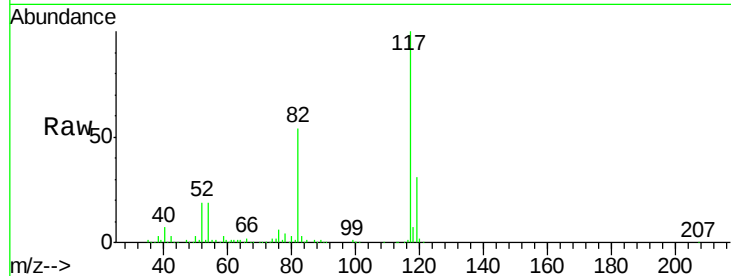




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066833.D
Acq: 23 Sep 2020 14:33

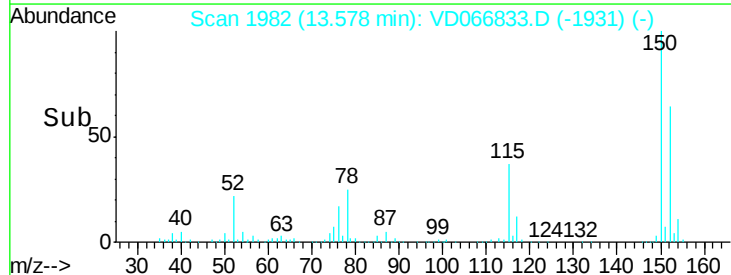
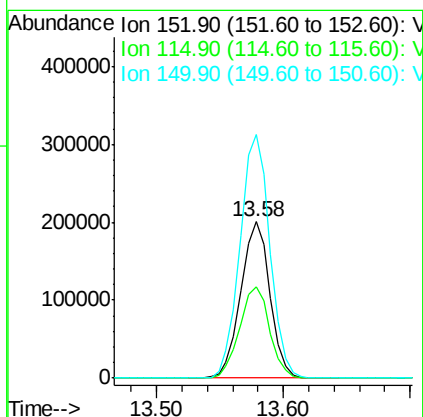
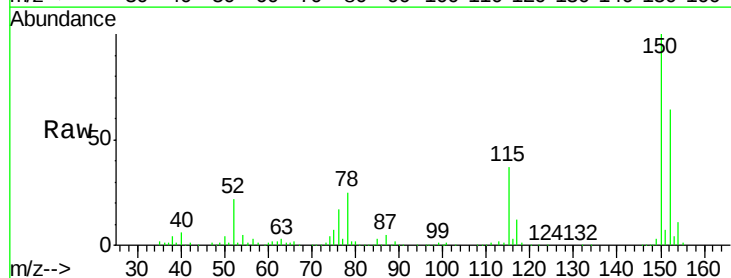
Instrument :
MSVOA_D
ClientSampleId :
KTS-SB-02-31-32

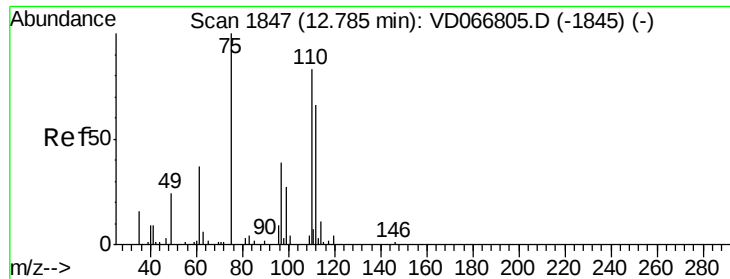
Tgt Ion:117 Resp: 731665
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.6
119 30.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066833.D
Acq: 23 Sep 2020 14:33

Tgt Ion:152 Resp: 319811
Ion Ratio Lower Upper
152 100
115 60.1 30.3 91.0
150 159.1 0.0 346.2

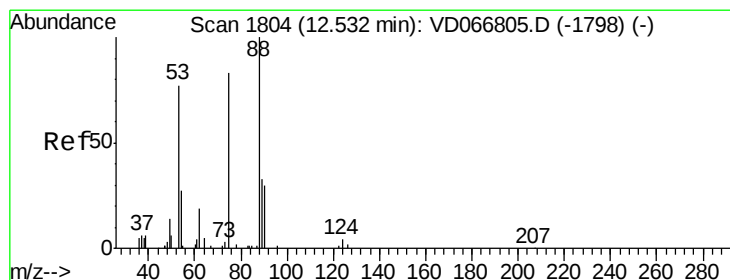
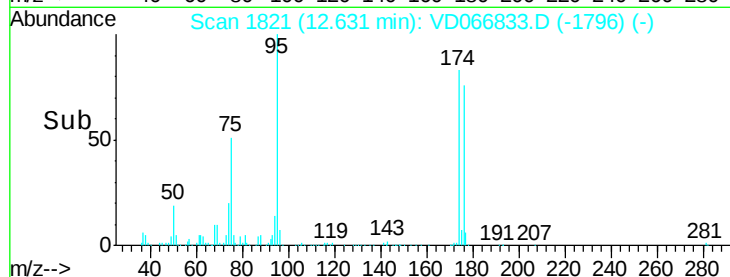
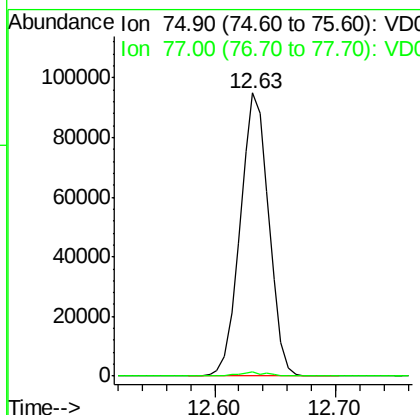
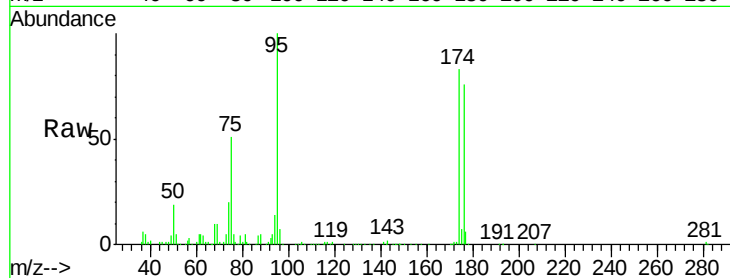




#76
 1,2,3-Trichloropropane
 Concen: 58.979 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 KTS-SB-02-31-32

Tgt Ion: 75 Resp: 156313
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.559 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066833.D
 Acq: 23 Sep 2020 14:33

Tgt Ion: 75 Resp: 156313
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.5 117.7#
 89 0.0 38.1 57.1#

