

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066362.D
 Acq On : 21 Aug 2020 16:27
 Operator : VA/SY
 Sample : L3729-08
 Misc : 4.71G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(4-5)

Quant Time: Aug 22 02:23:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	226781	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	338231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	370213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216311	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	104795	47.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.26%	
35) Dibromofluoromethane	7.91	113	103977	49.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.32%	
50) Toluene-d8	10.33	98	415710	53.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.44%	
62) 4-Bromofluorobenzene	12.63	95	180157	65.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	131.22%	

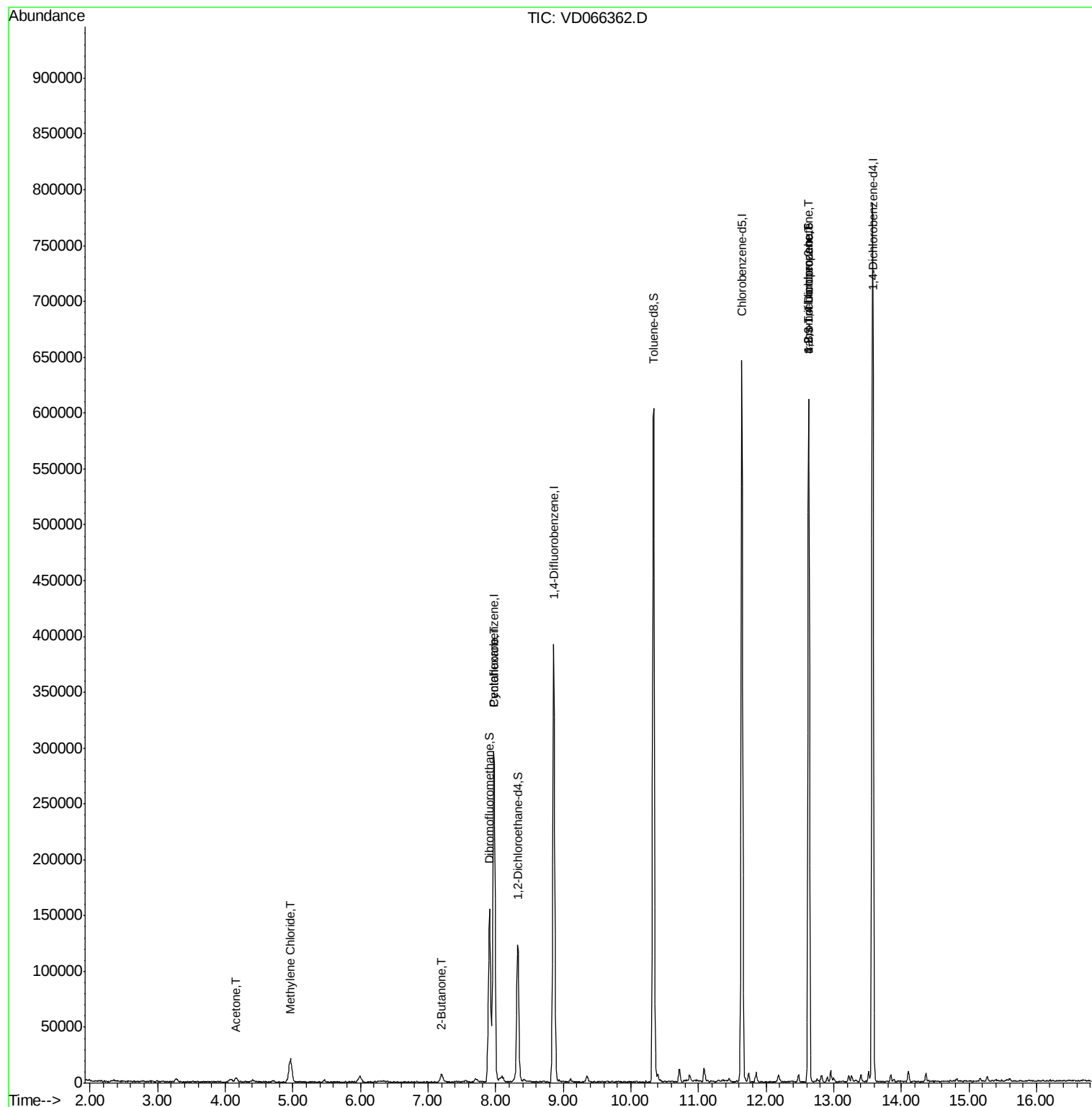
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	67	Below Cal	#	71
16) Acetone	4.16	43	7266	18.127	ug/l #	87
20) Methylene Chloride	4.97	84	15965	1.284	ug/l	99
25) 2-Butanone	7.20	43	583	1.281	ug/l #	47
31) Cyclohexane	7.97	56	6265	2.029	ug/l #	47
76) 1,2,3-Trichloropropane	12.63	75	100358	65.949	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	100358	139.988	ug/l #	6

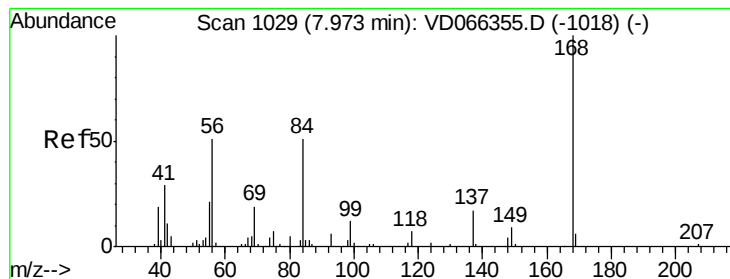
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066362.D

Acq: 21 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

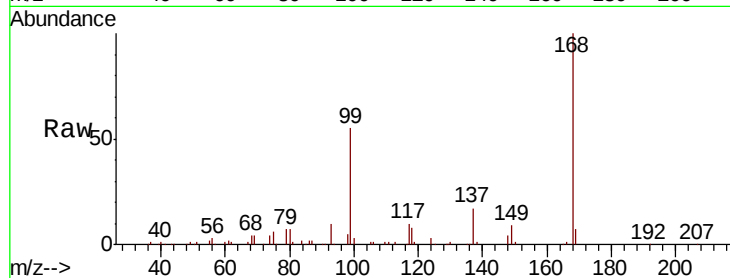
SB-3-(4-5)

Tot Ion:168 Resp: 226781

Ion Ratio Lower Upper

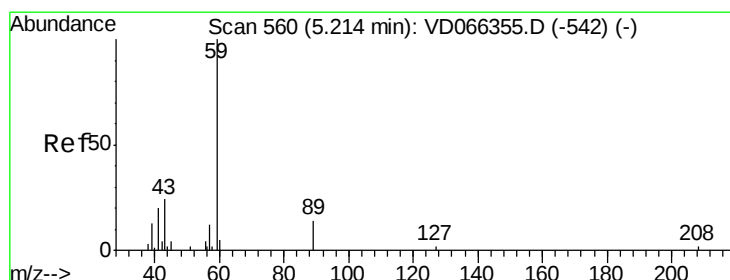
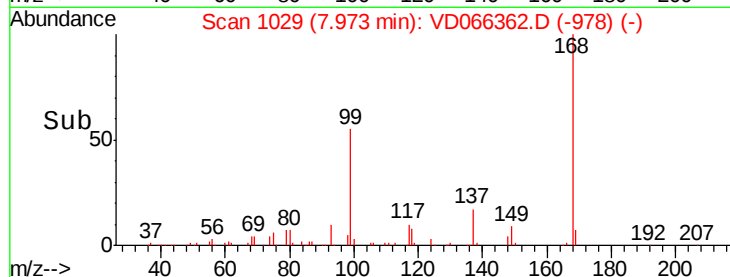
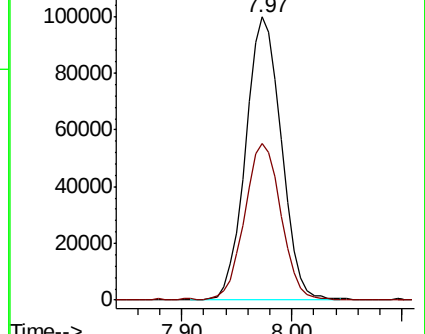
168 100

99 55.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD066362.D

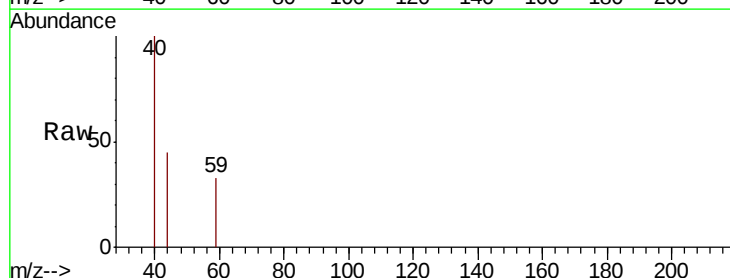
Acq: 21 Aug 2020 16:27

Tgt Ion: 59 Resp: 67

Ion Ratio Lower Upper

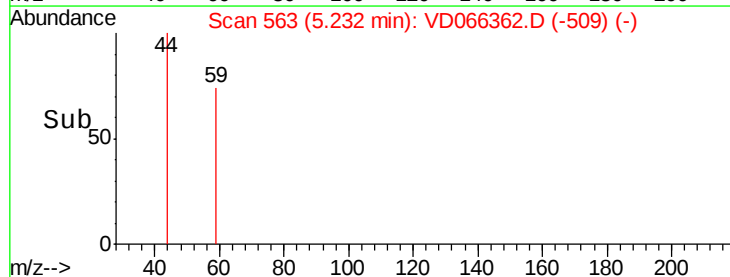
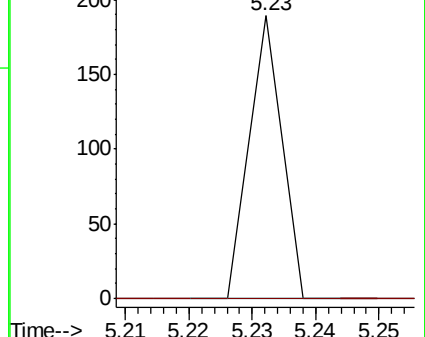
59 100

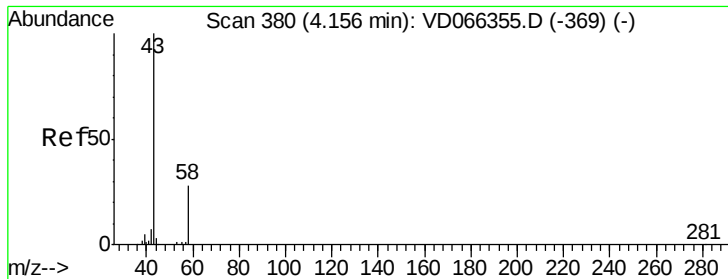
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 18.127 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066362.D

Acq: 21 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

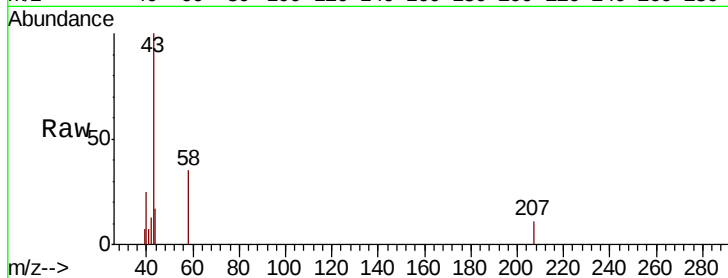
SB-3-(4-5)

Tot Ion: 43 Resp: 7266

Ion Ratio Lower Upper

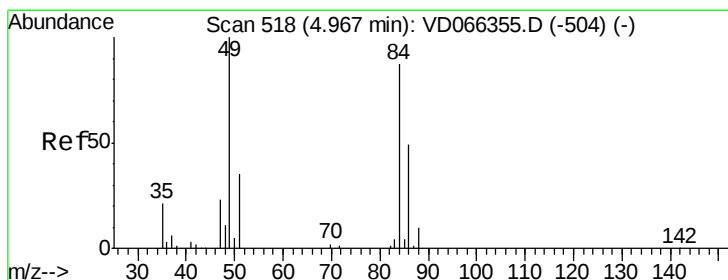
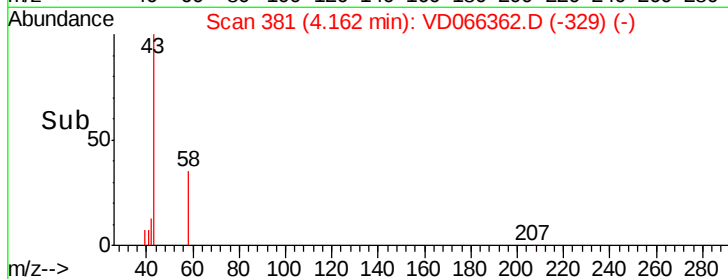
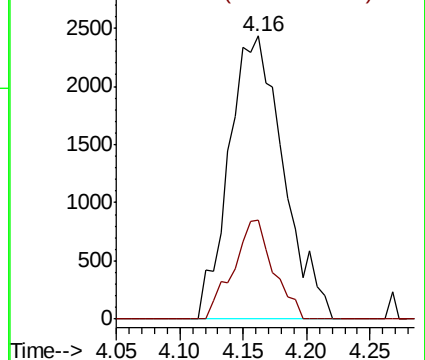
43 100

58 35.0 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.284 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD066362.D

Acq: 21 Aug 2020 16:27

Tgt Ion: 84 Resp: 15965

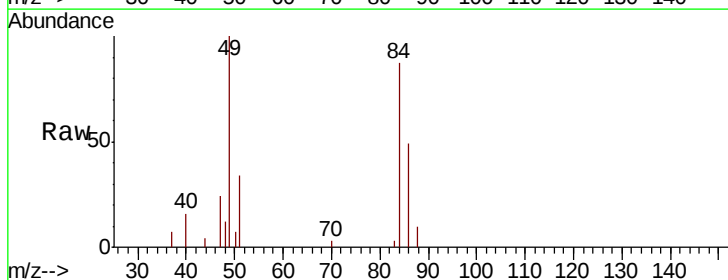
Ion Ratio Lower Upper

84 100

49 114.7 92.5 138.7

51 39.2 32.5 48.7

86 56.5 45.0 67.6

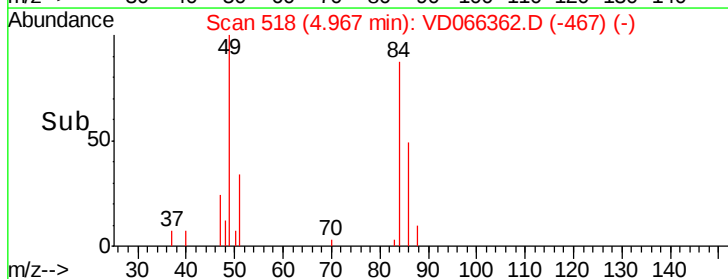
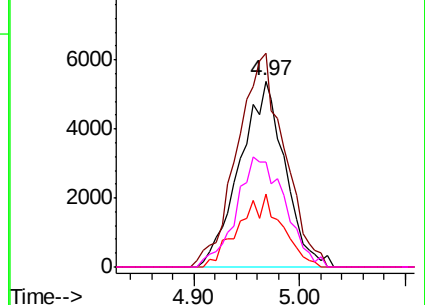


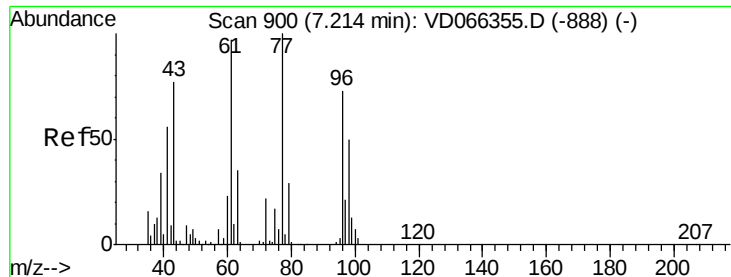
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.281 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.02 min

Lab File: VD066362.D

Acq: 21 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

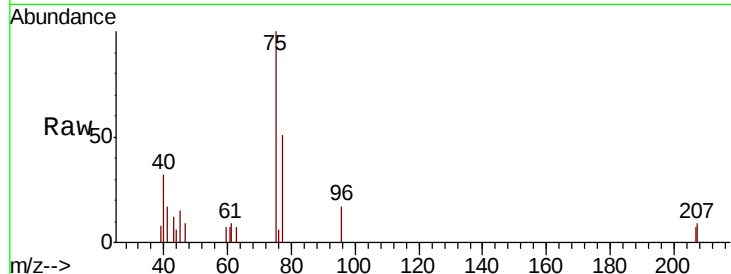
SB-3-(4-5)

Tot Ion: 43 Resp: 583

Ion Ratio Lower Upper

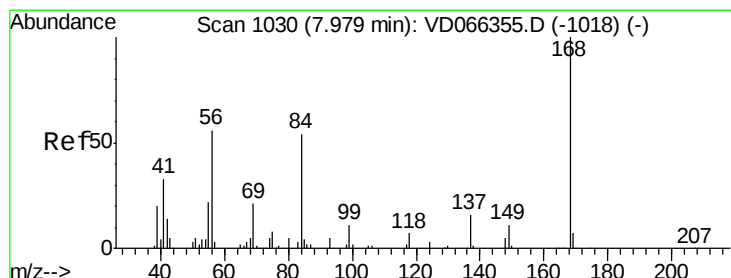
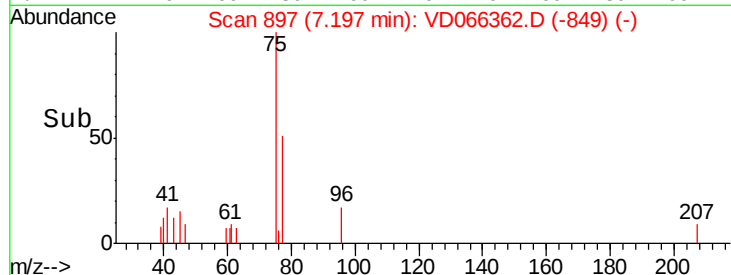
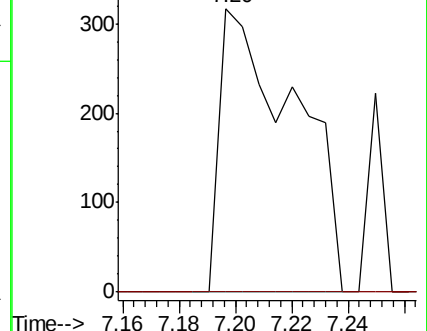
43 100

72 0.0 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 2.029 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066362.D

Acq: 21 Aug 2020 16:27

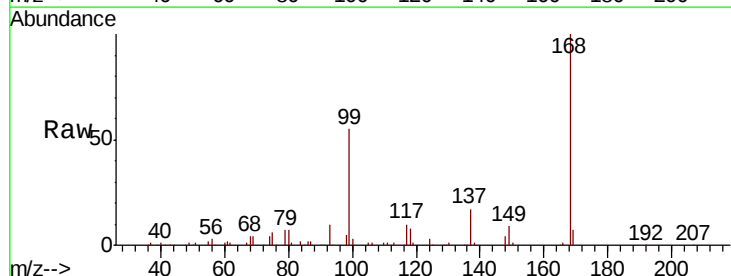
Tgt Ion: 56 Resp: 6265

Ion Ratio Lower Upper

56 100

69 128.6 29.6 44.4#

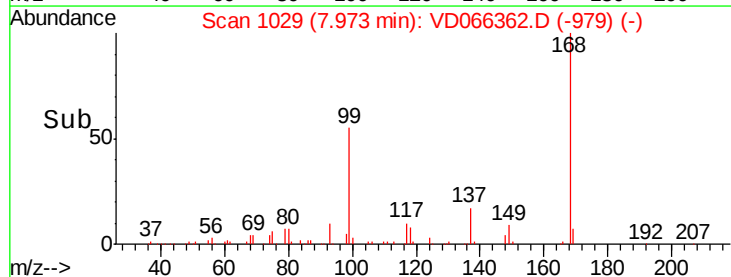
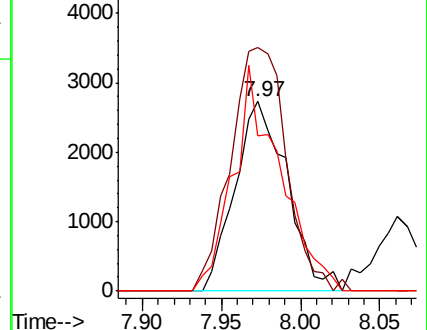
84 82.1 76.6 115.0

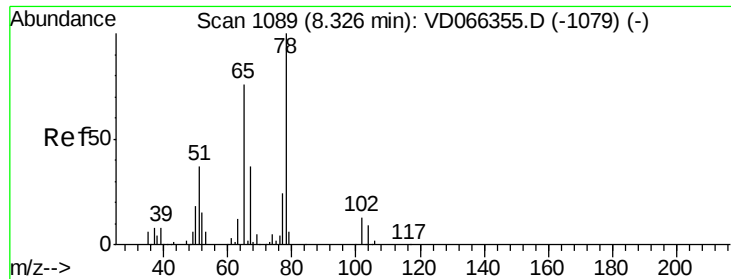


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

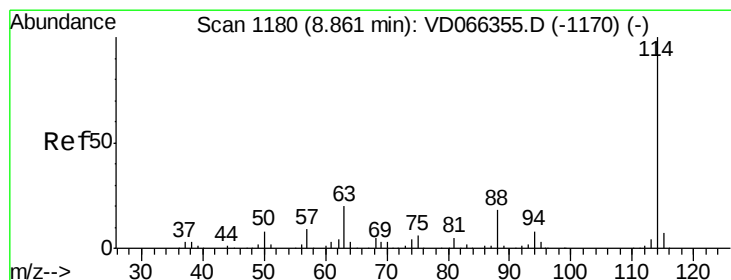
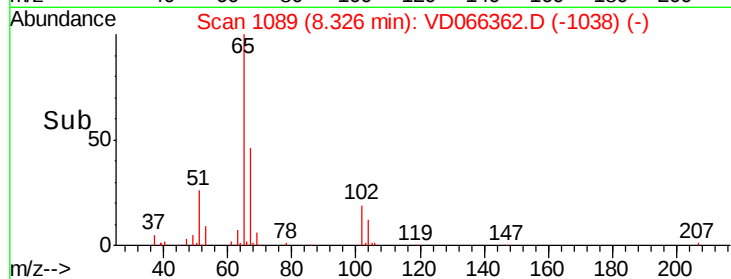
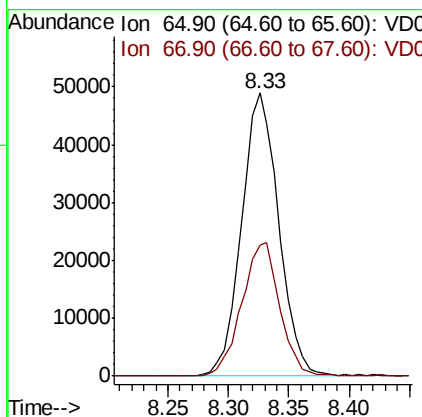
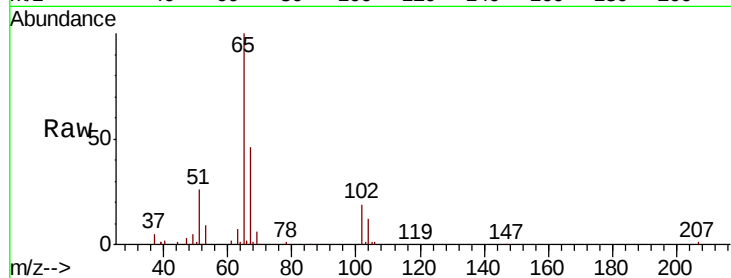




#33
 1,2-Dichloroethane-d4
 Concen: 47.134 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066362.D
 Acq: 21 Aug 2020 16:27

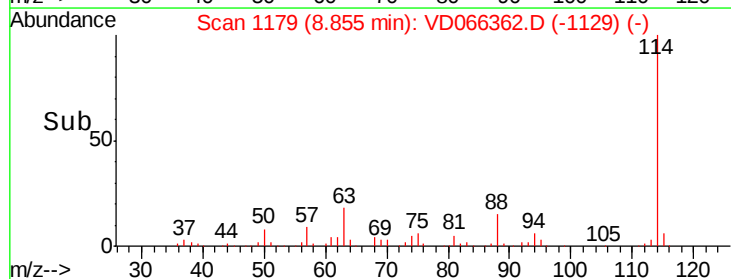
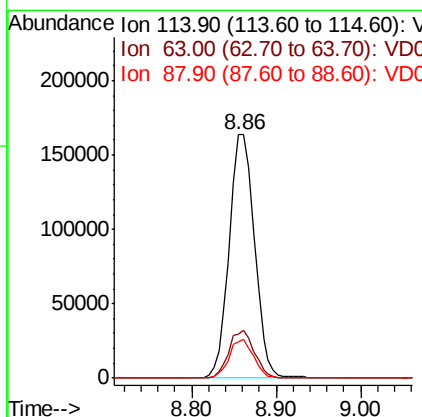
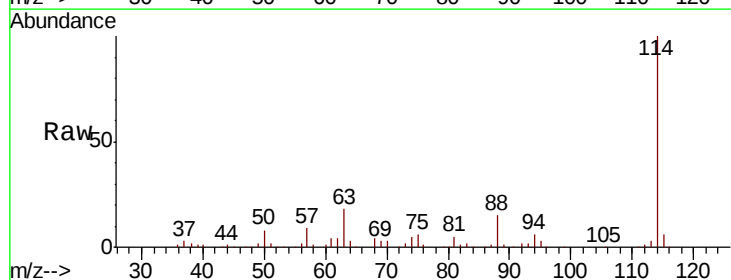
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(4-5)

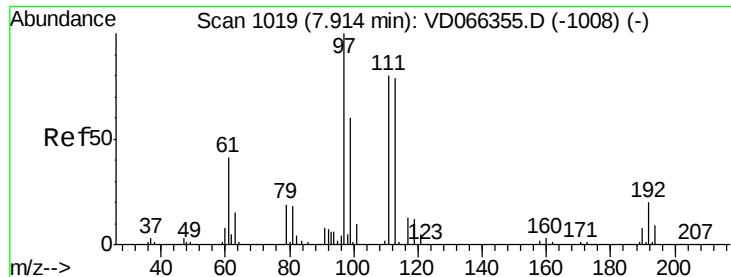
Tot Ion: 65 Resp: 104795
 Ion Ratio Lower Upper
 65 100
 67 48.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066362.D
 Acq: 21 Aug 2020 16:27

Tgt Ion: 114 Resp: 338231
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 40.8
 88 15.1 0.0 35.4

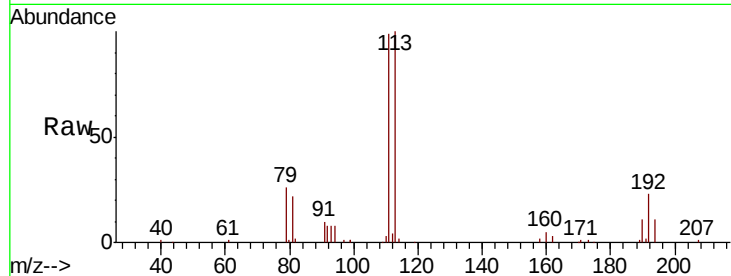




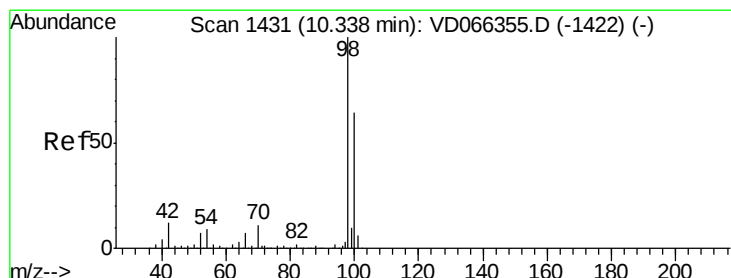
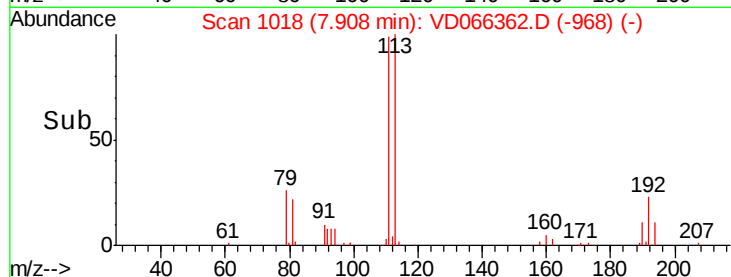
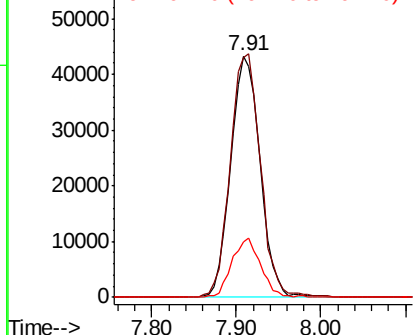
#35
Dibromofluoromethane
Concen: 49.162 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066362.D
Acq: 21 Aug 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
SB-3-(4-5)

Tot Ion:113 Resp: 103977
Ion Ratio Lower Upper
113 100
111 103.1 80.3 120.5
192 23.8 19.0 28.6

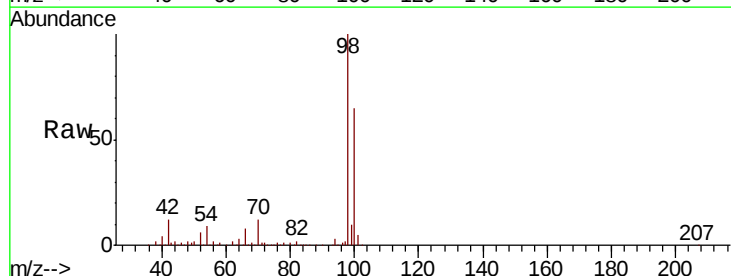


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

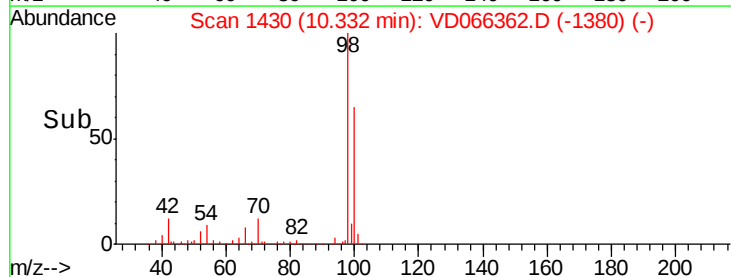
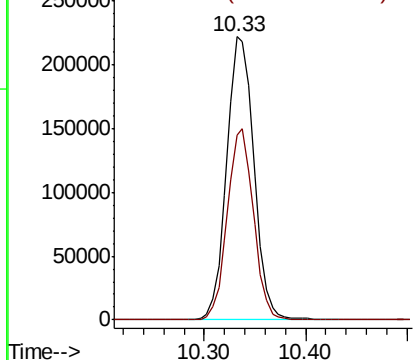


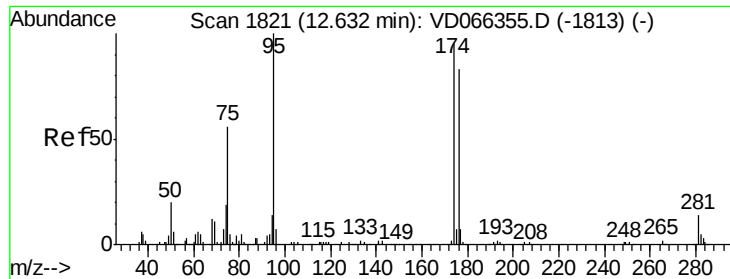
#50
Toluene-d8
Concen: 53.720 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066362.D
Acq: 21 Aug 2020 16:27

Tgt Ion: 98 Resp: 415710
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): V
Ion 100.00 (99.70 to 100.70): V

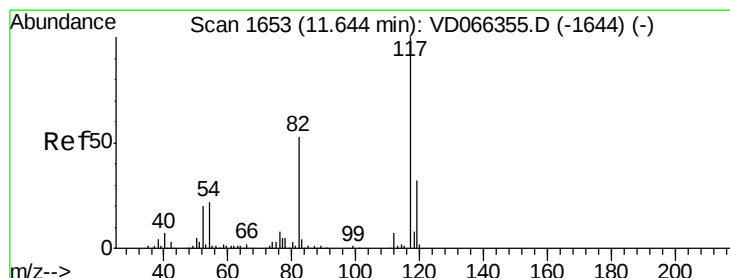
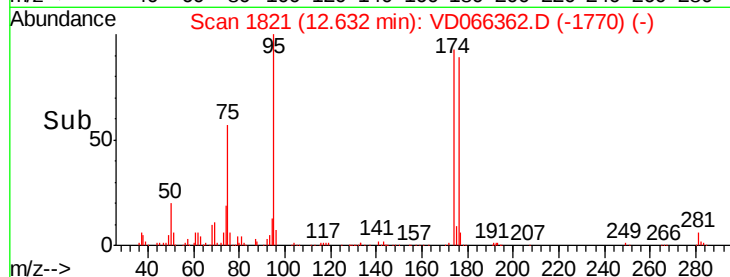
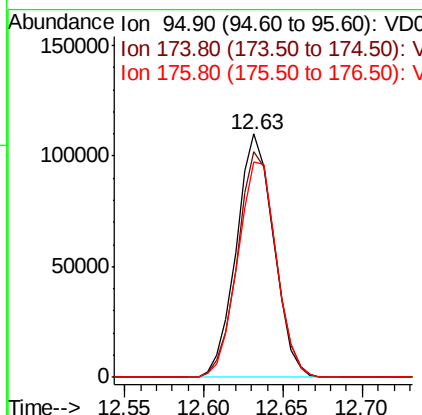
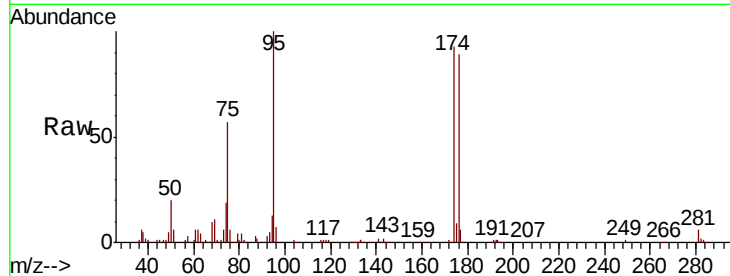




#62
4-Bromofluorobenzene
Concen: 65.609 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VD066362.D
Acq: 21 Aug 2020 16:27

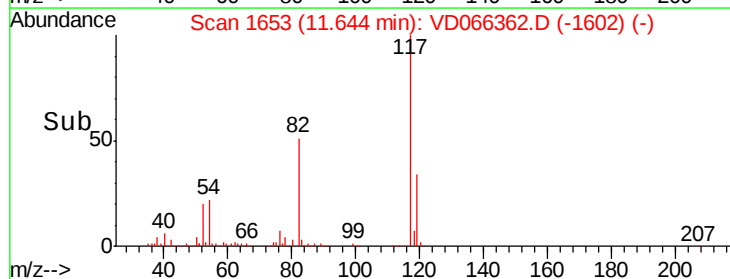
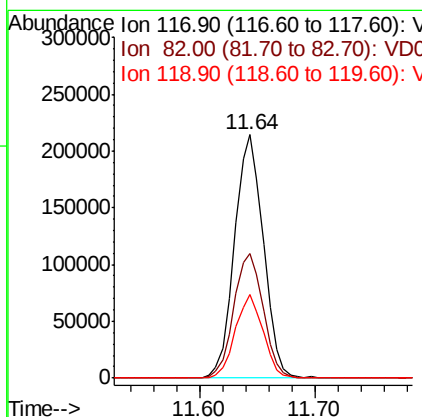
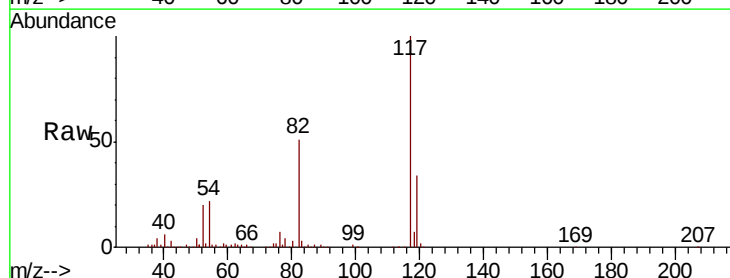
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(4-5)

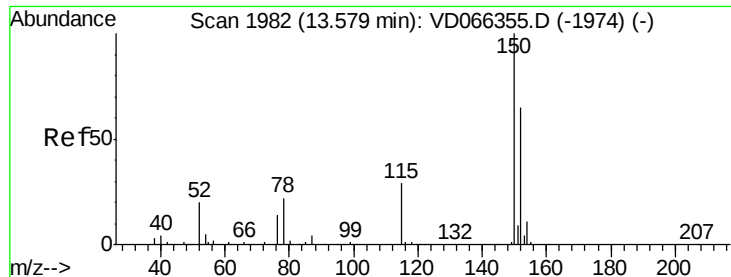
Tot Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	183.4
176	91.7	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066362.D
Acq: 21 Aug 2020 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.8	64.2
119	34.1	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066362.D

Acq: 21 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(4-5)

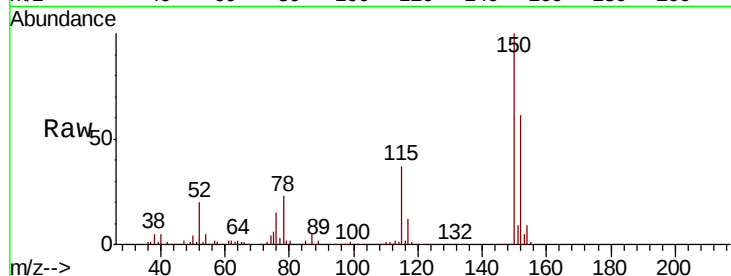
Tot Ion:152 Resp: 216311

Ion Ratio Lower Upper

152 100

115 57.8 28.3 85.0

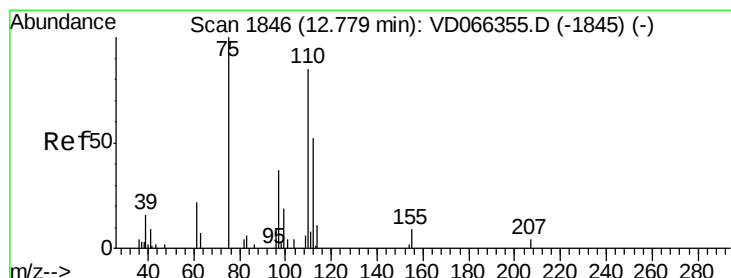
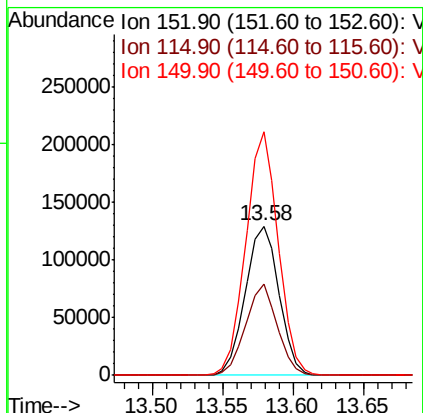
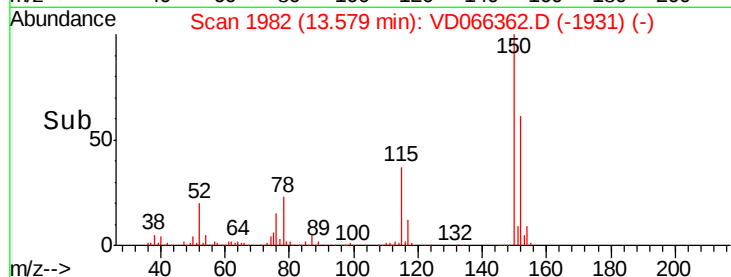
150 156.6 0.0 343.2



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: 65.949 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066362.D

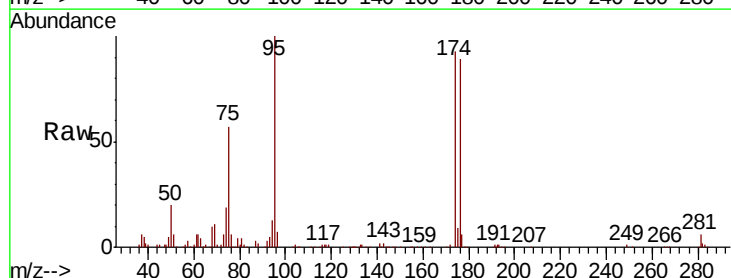
Acq: 21 Aug 2020 16:27

Tgt Ion: 75 Resp: 100358

Ion Ratio Lower Upper

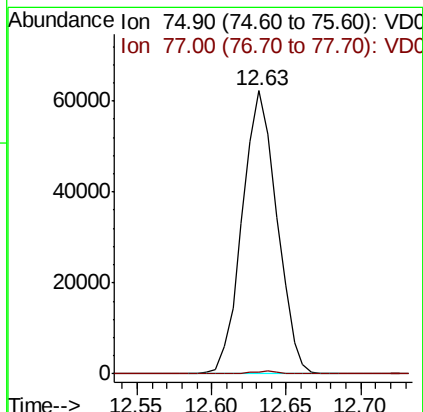
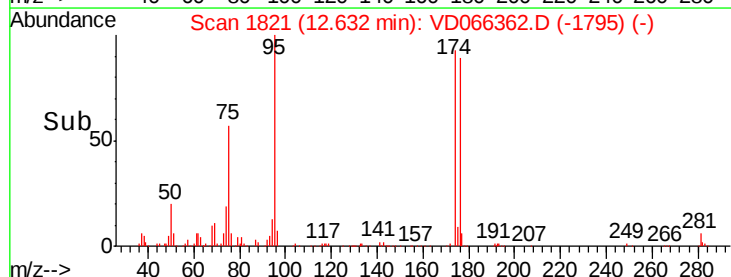
75 100

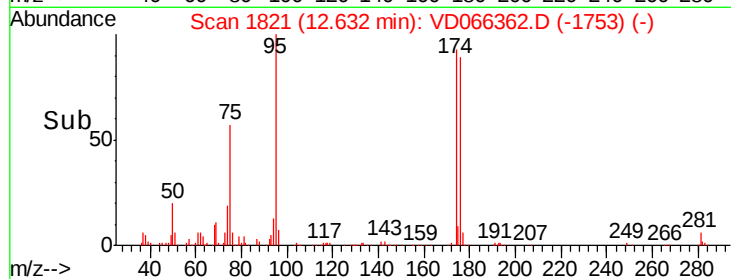
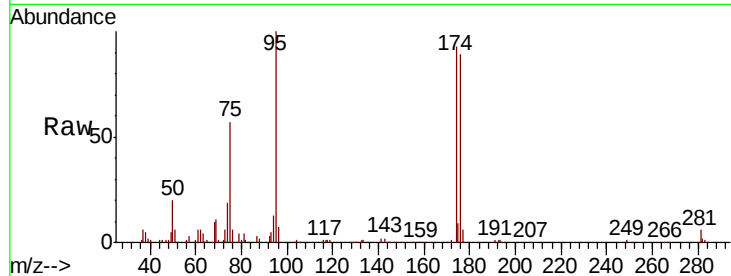
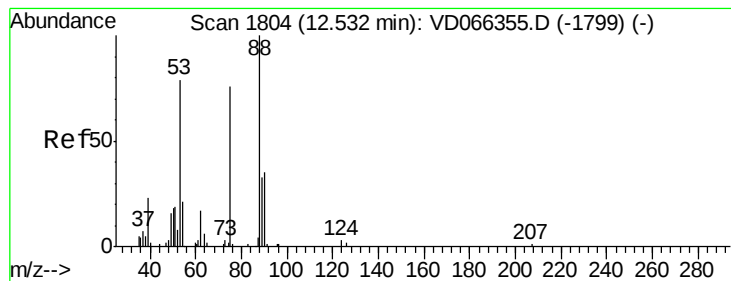
77 0.8 182.9 548.9#



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: 139.988 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066362.D

Acq: 21 Aug 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(4-5)

Tot Ion: 75 Resp: 100358

Ion Ratio Lower Upper

75 100

53 0.0 87.4 131.2#

89 0.1 39.4 59.0#

