

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067145.D
 Acq On : 07 Oct 2020 11:54
 Operator : VA/SY
 Sample : L4279-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-1

Quant Time: Oct 08 07:22:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

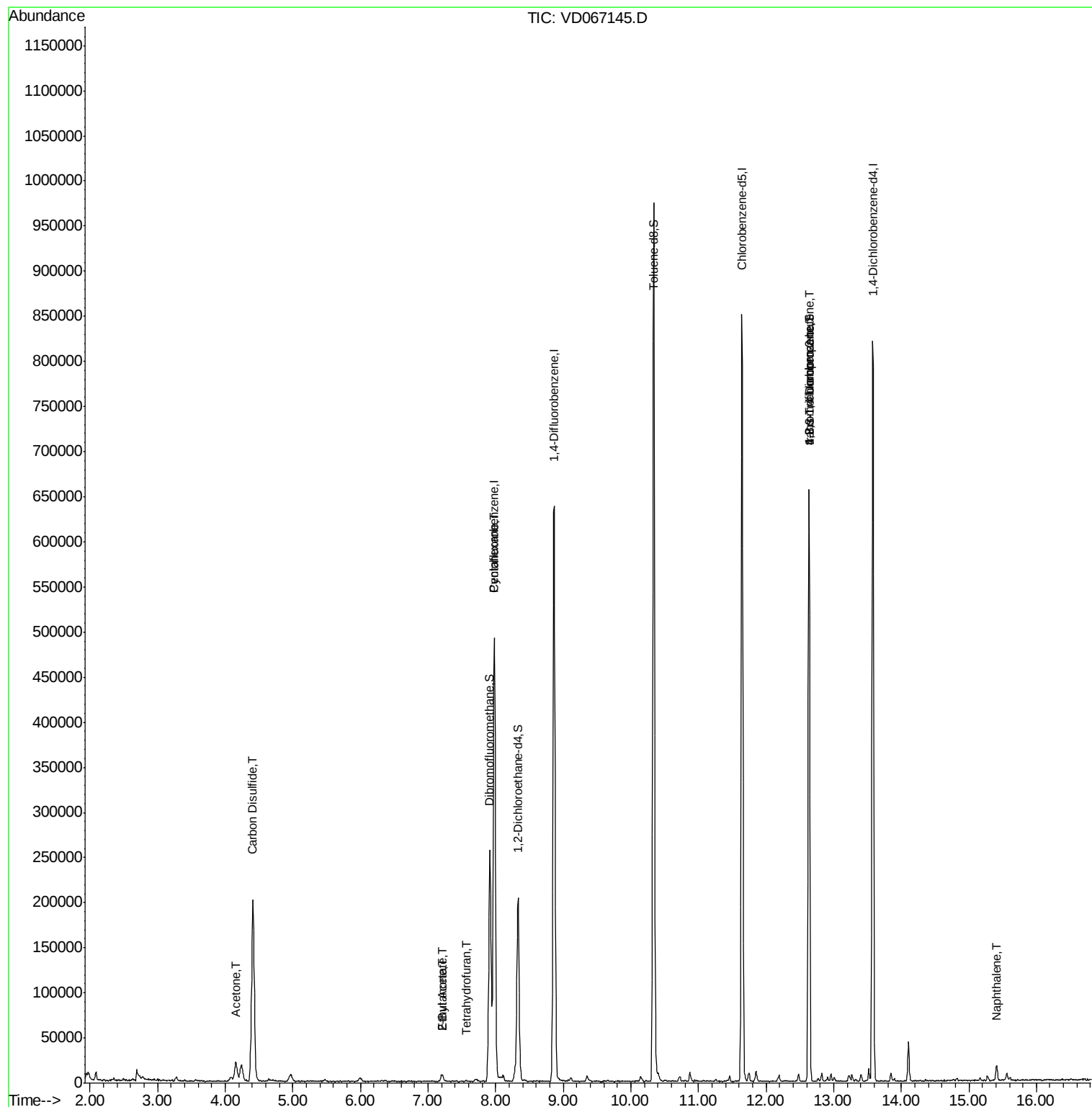
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	371280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	584905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	517511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	233841	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	167043	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
35) Dibromofluoromethane	7.91	113	182865	47.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.50%	
50) Toluene-d8	10.34	98	680304	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.64	95	208524	44.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	1741	Below Cal		77
5) Bromomethane	2.79	94	1366	Below Cal	#	50
11) Tert butyl alcohol	5.23	59	54	Below Cal	#	72
16) Acetone	4.16	43	37264	68.261	ug/l	98
17) Carbon Disulfide	4.41	76	429323	39.970	ug/l	97
20) Methylene Chloride	4.97	84	6736	Below Cal		88
25) 2-Butanone	7.21	43	3477	4.492	ug/l #	68
26) 2,2-Dichloropropane	7.21	77	2195	Below Cal	#	70
29) Tetrahydrofuran	7.57	42	1003	2.254	ug/l #	44
31) Cyclohexane	7.98	56	9567	1.781	ug/l #	44
37) Ethyl Acetate	7.21	43	3477	1.841	ug/l #	43
76) 1,2,3-Trichloropropane	12.64	75	106749	52.409	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	106749	130.663	ug/l #	12
95) Naphthalene	15.41	128	15754	2.239	ug/l	98

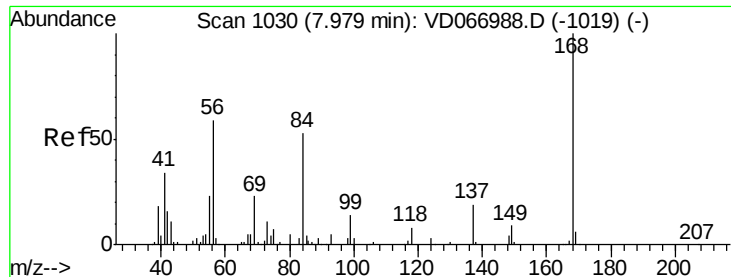
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

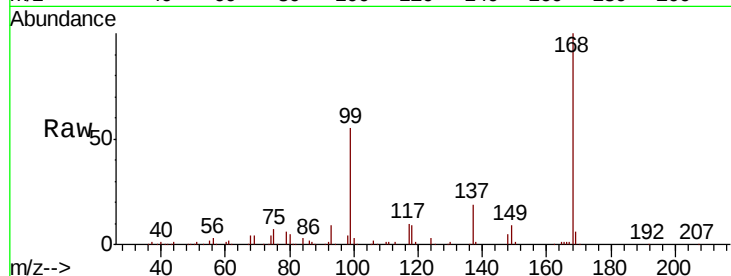
S-1

Tot Ion:168 Resp: 371280

Ion Ratio Lower Upper

168 100

99 54.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

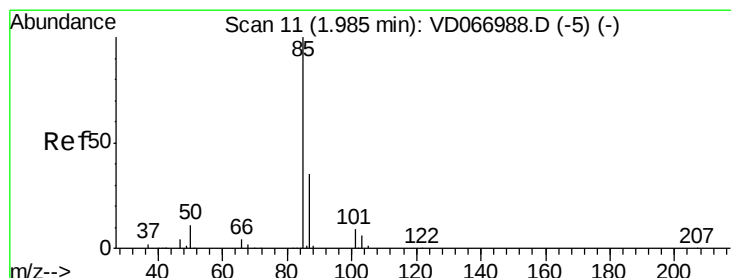
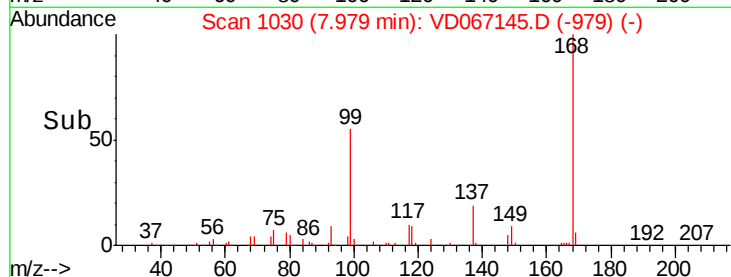
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067145.D

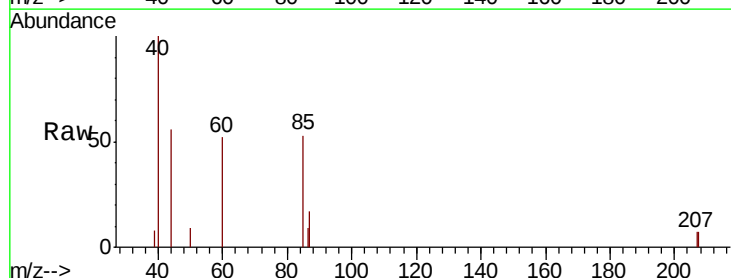
Acq: 07 Oct 2020 11:54

Tgt Ion: 85 Resp: 1741

Ion Ratio Lower Upper

85 100

87 47.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

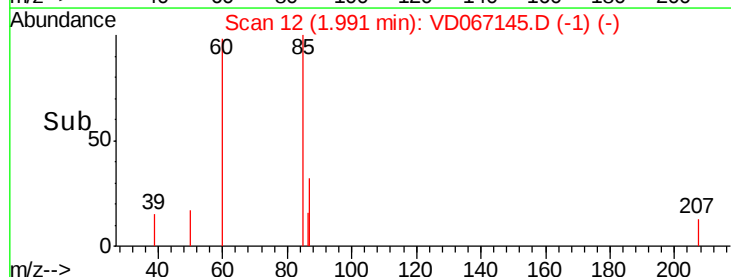
1500

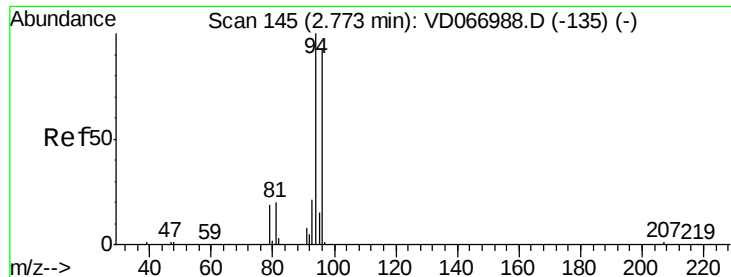
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampled :

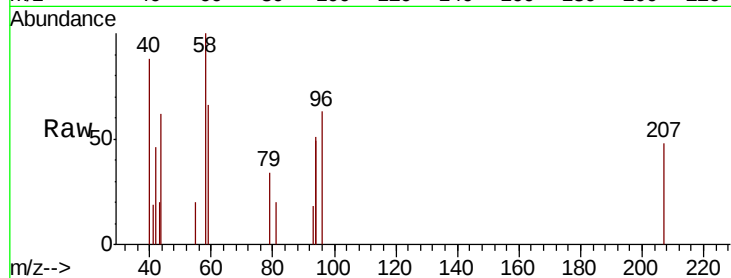
S-1

Tot Ion: 94 Resp: 1366

Ion Ratio Lower Upper

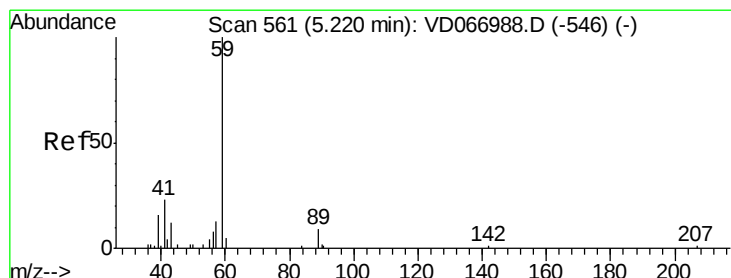
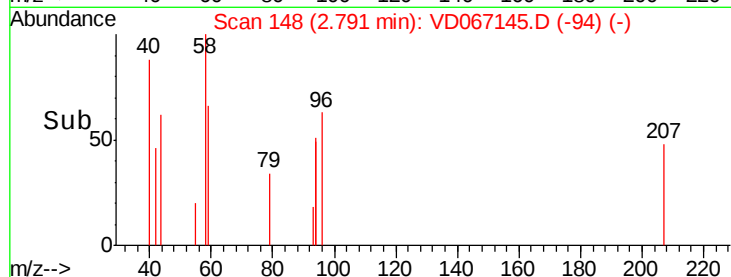
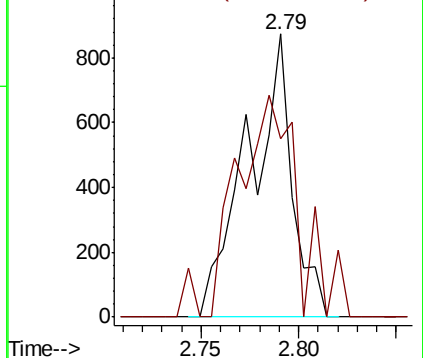
94 100

96 45.7 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD067145.D

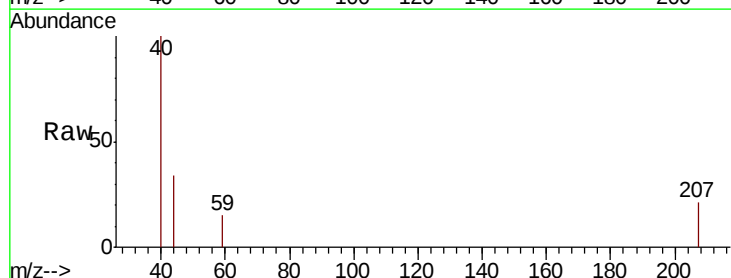
Acq: 07 Oct 2020 11:54

Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

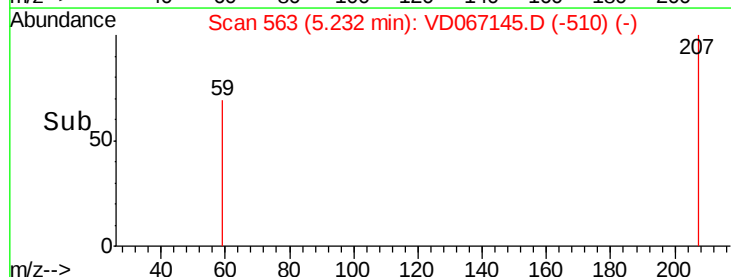
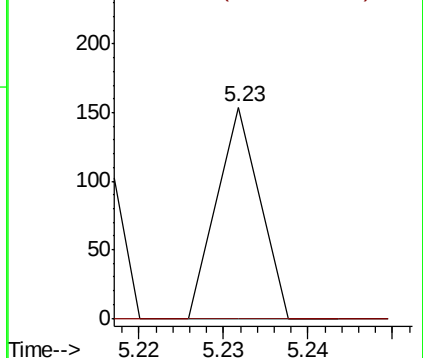
59 100

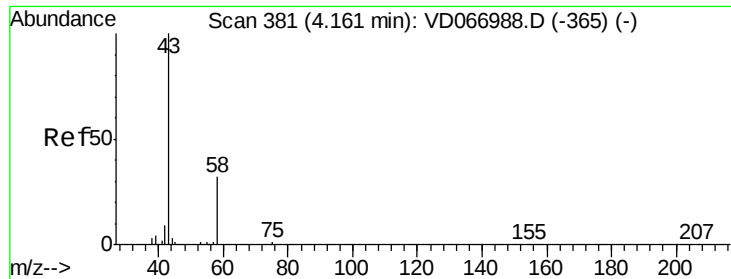
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 68.261 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampled :

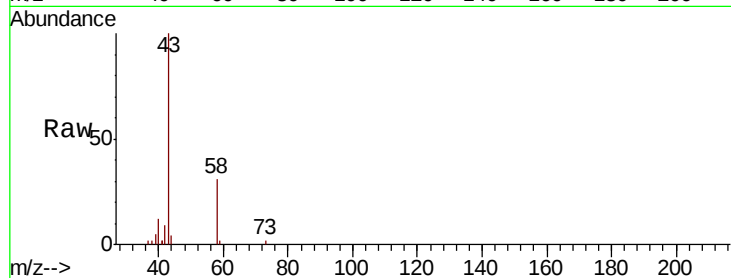
S-1

Tot Ion: 43 Resp: 37264

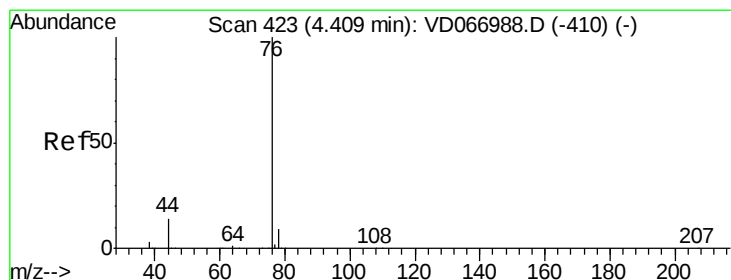
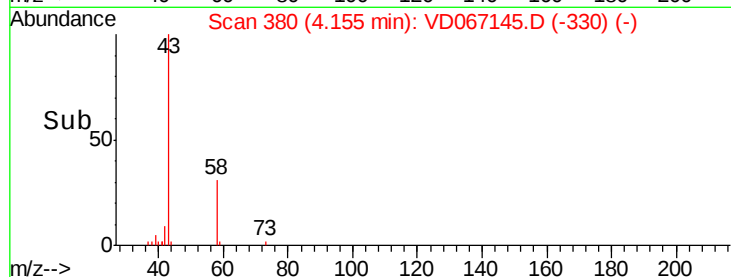
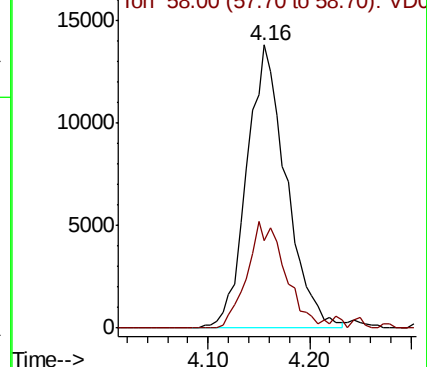
Ion Ratio Lower Upper

43 100

58 31.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC



#17

Carbon Disulfide

Concen: 39.970 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD067145.D

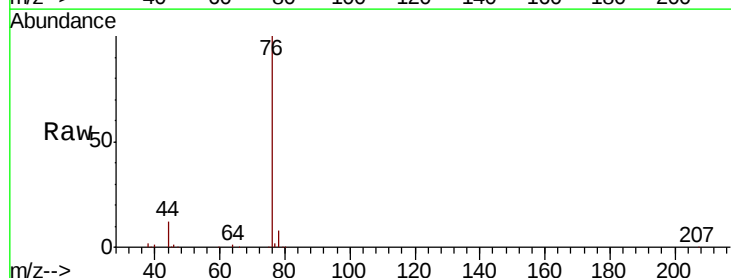
Acq: 07 Oct 2020 11:54

Tgt Ion: 76 Resp: 429323

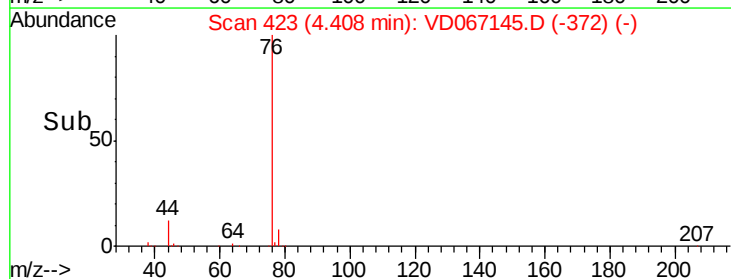
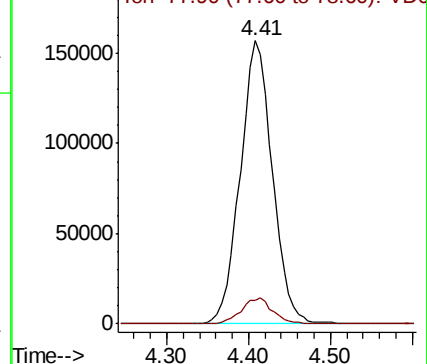
Ion Ratio Lower Upper

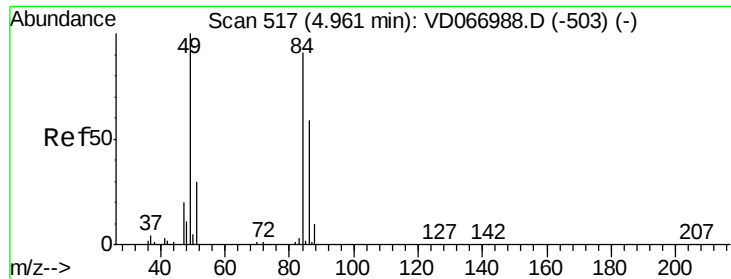
76 100

78 8.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

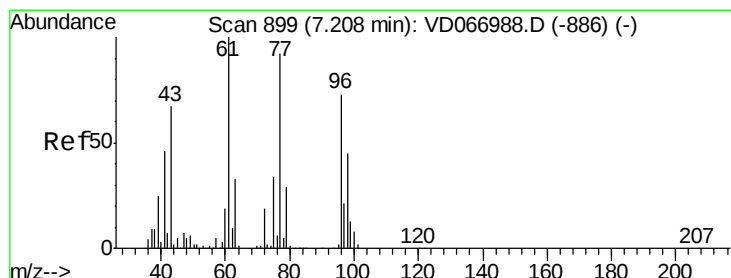
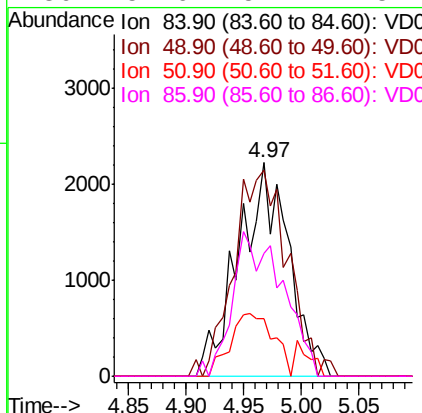
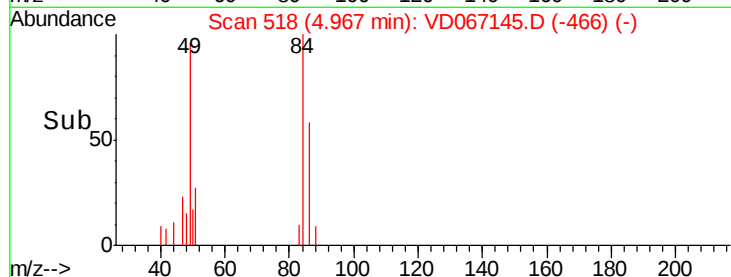
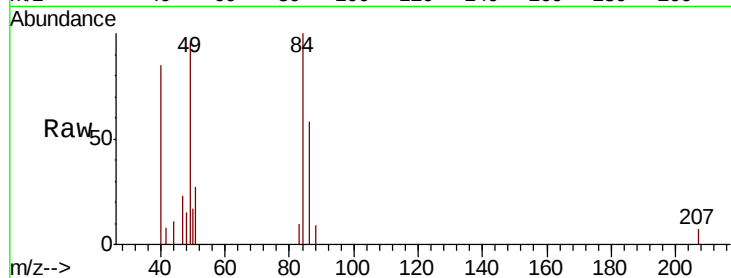




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

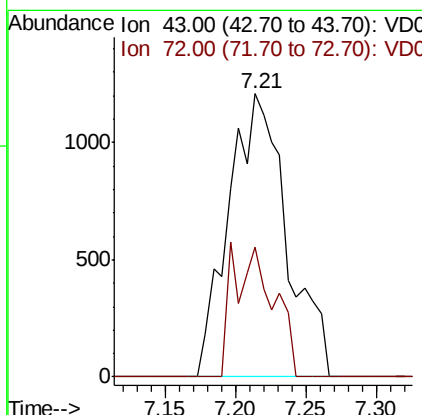
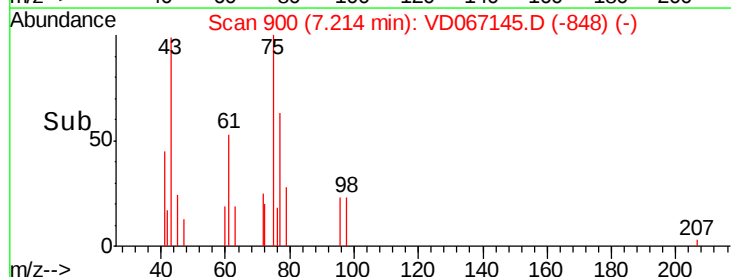
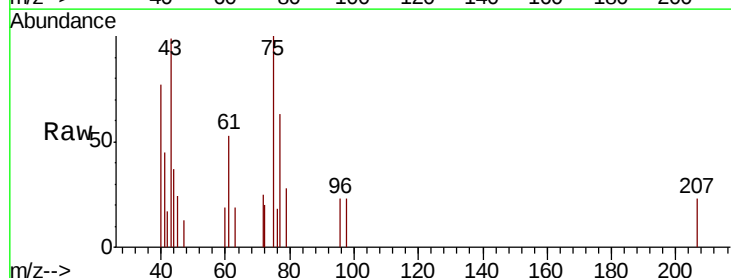
Instrument :
MSVOA_D
ClientSampled :
S-1

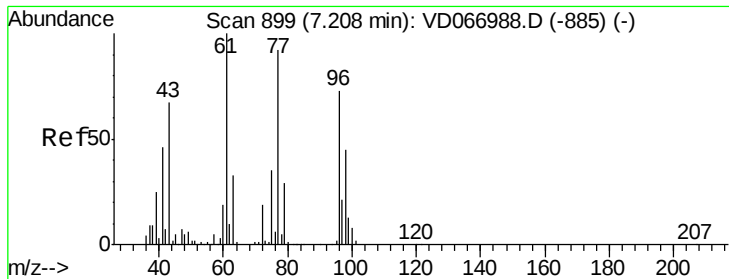
Tot Ion:	84	Resp:	6736
Ion	Ratio	Lower	Upper
84	100		
49	96.5	88.2	132.2
51	26.9	26.6	39.8
86	57.6	52.1	78.1



#25
2-Butanone
Concen: 4.492 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

Tgt Ion:	43	Resp:	3477
Ion	Ratio	Lower	Upper
43	100		
72	45.7	22.8	34.2#





#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

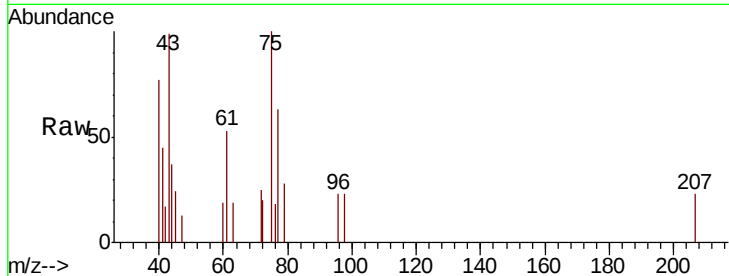
S-1

Tot Ion: 77 Resp: 2195

Ion Ratio Lower Upper

77 100

97 8.1 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

800

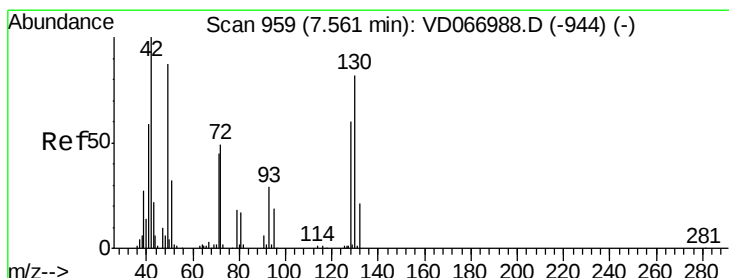
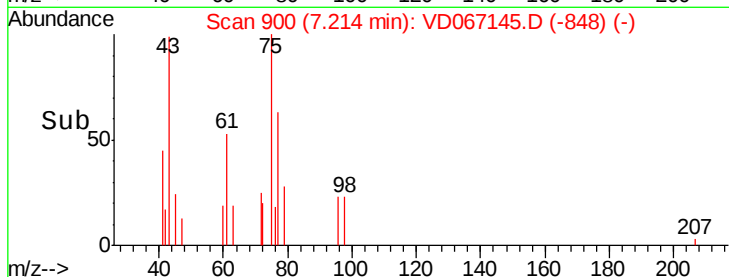
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 2.254 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

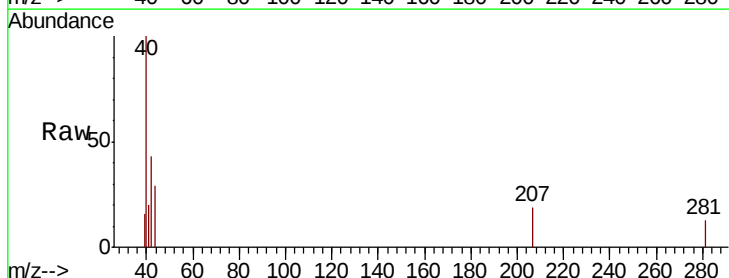
Tgt Ion: 42 Resp: 1003

Ion Ratio Lower Upper

42 100

72 6.2 39.1 58.7#

71 12.5 34.2 51.4#



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

800

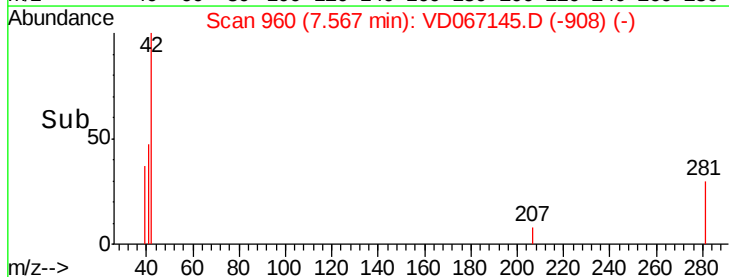
600

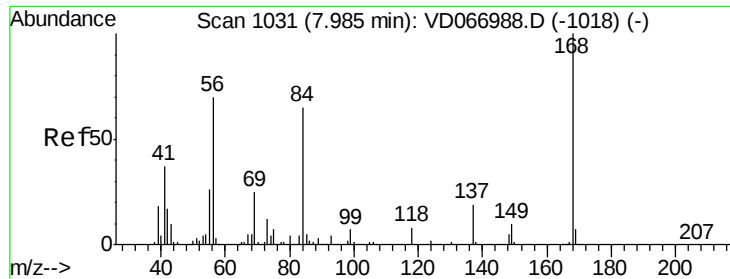
400

200

0

Time-->

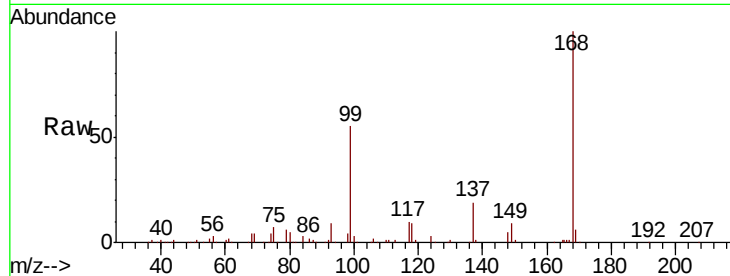




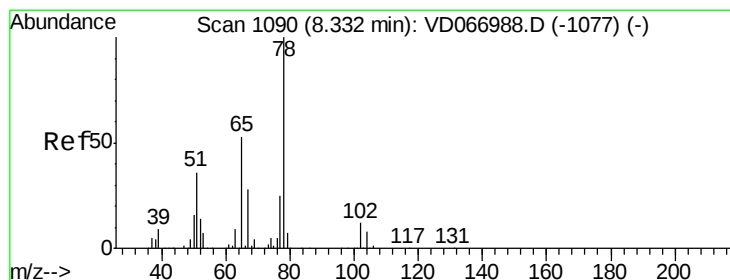
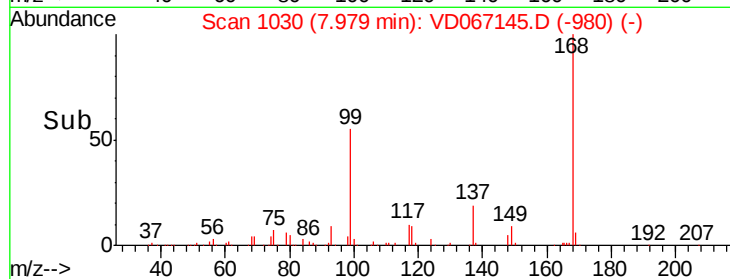
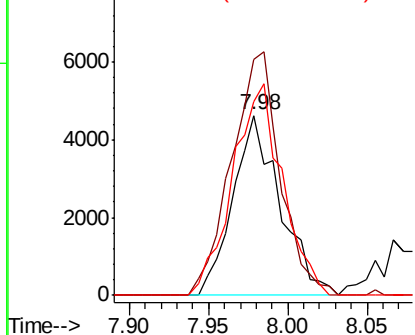
#31
Cyclohexane
Concen: 1.781 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

Instrument :
MSVOA_D
ClientSampled :
S-1

Tot Ion: 56 Resp: 9567
Ion Ratio Lower Upper
56 100
69 131.5 29.0 43.6#
84 107.5 74.2 111.2

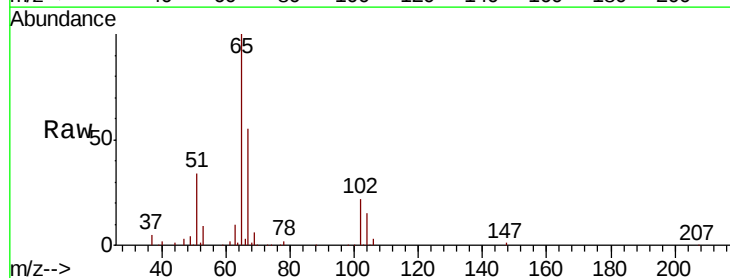


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

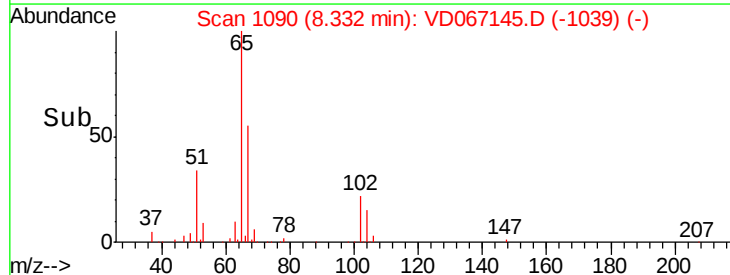
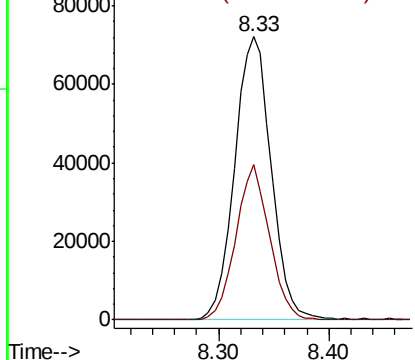


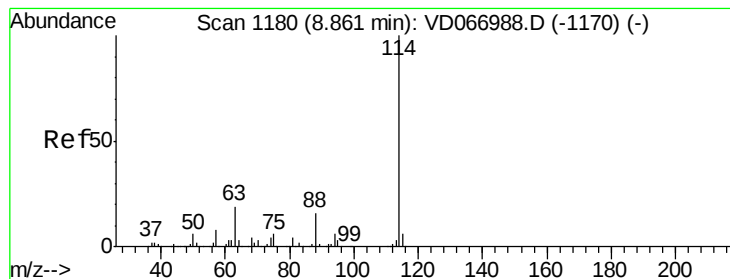
#33
1,2-Dichloroethane-d4
Concen: 46.710 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

Tgt Ion: 65 Resp: 167043
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.8



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: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

S-1

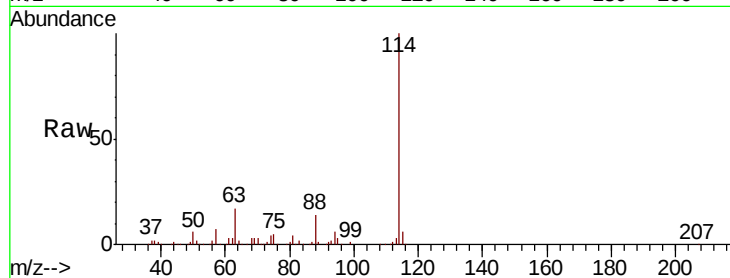
Tot Ion:114 Resp: 584905

Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

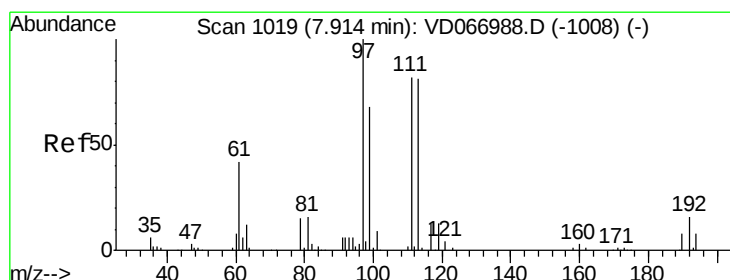
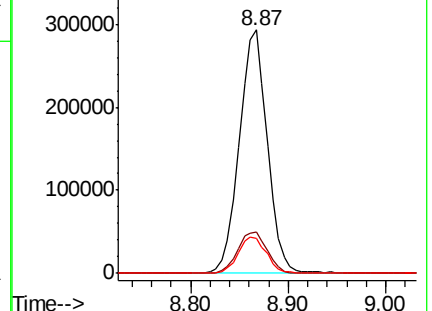
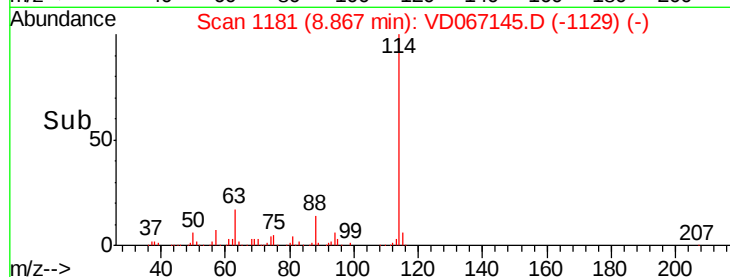
88 14.5 0.0 31.2



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: 47.755 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

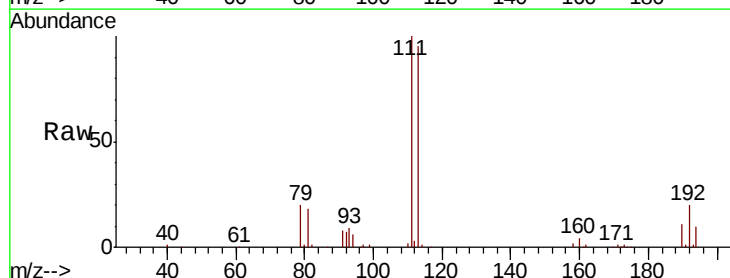
Tgt Ion:113 Resp: 182865

Ion Ratio Lower Upper

113 100

111 104.4 83.0 124.4

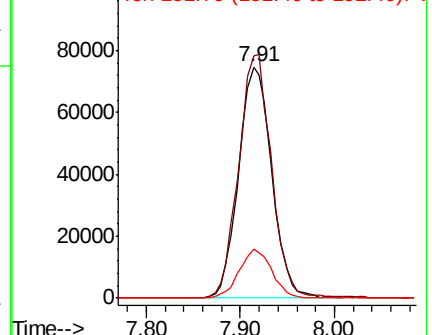
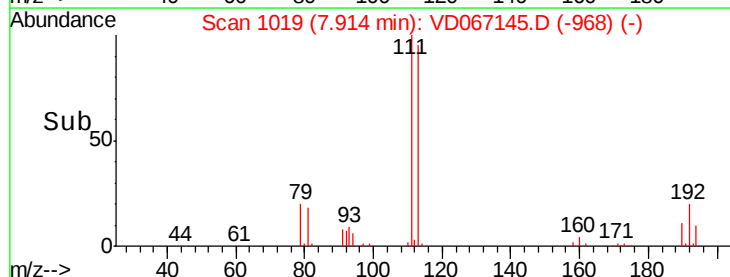
192 20.7 15.5 23.3

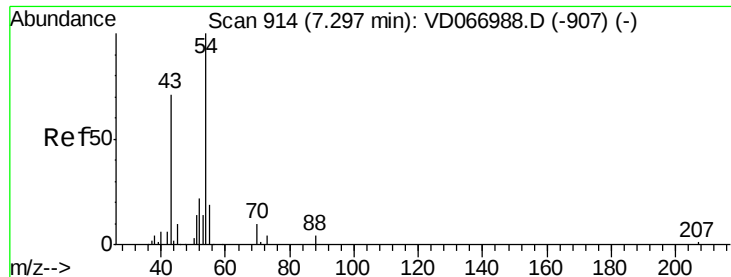


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

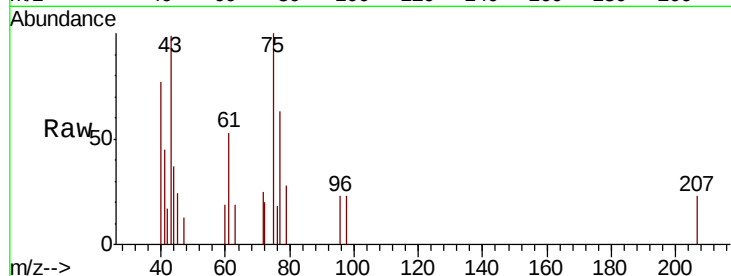




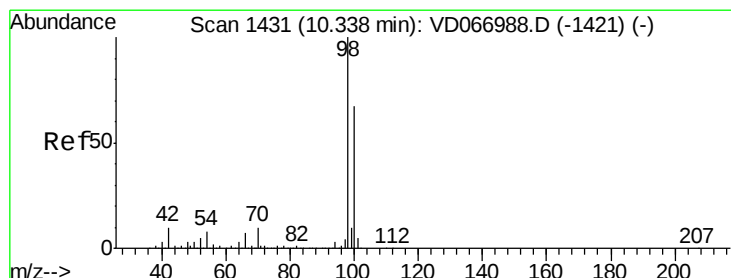
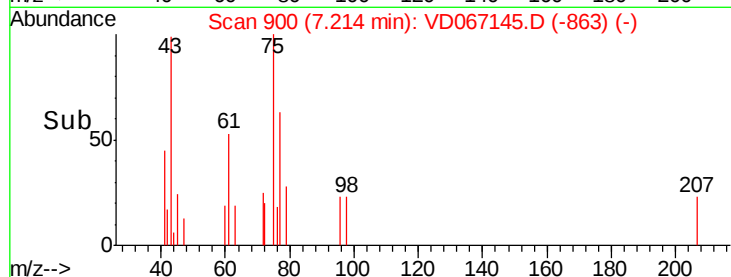
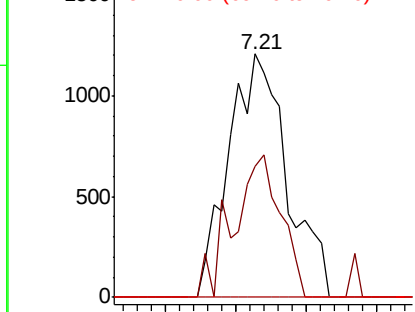
#37
Ethyl Acetate
Concen: 1.841 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.08 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

Instrument :
MSVOA_D
ClientSampleId :
S-1

Tot Ion: 43 Resp: 3477
Ion Ratio Lower Upper
43 100
61 47.7 12.5 18.7#
70 0.0 9.4 14.0#

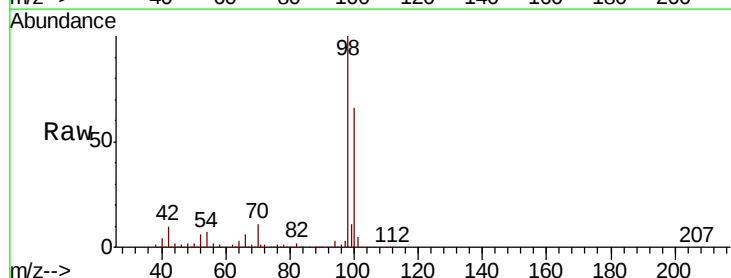


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

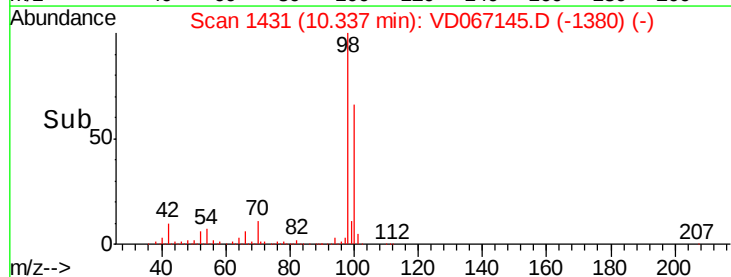
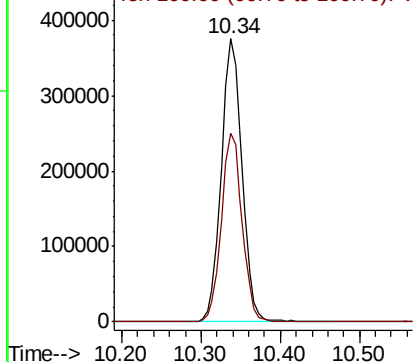


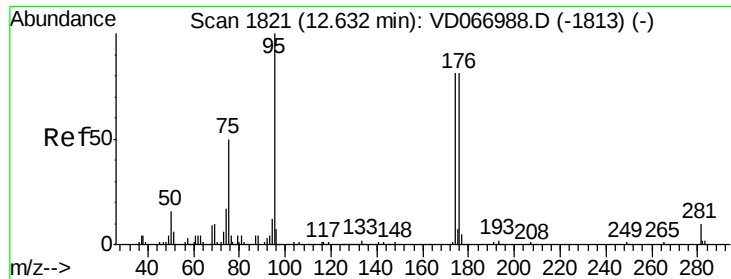
#50
Toluene-d8
Concen: 48.756 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

Tgt Ion: 98 Resp: 680304
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



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

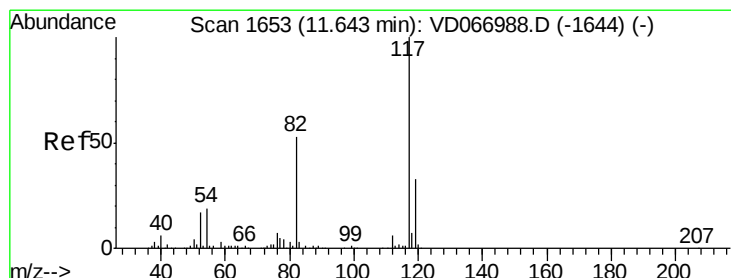
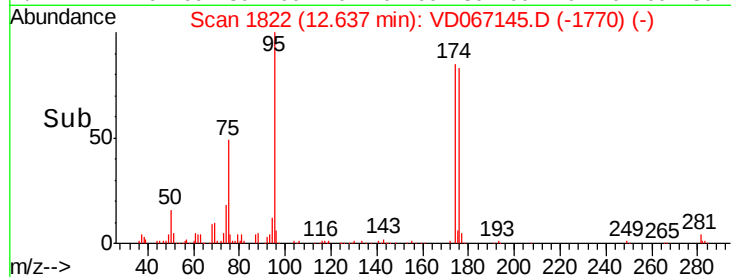
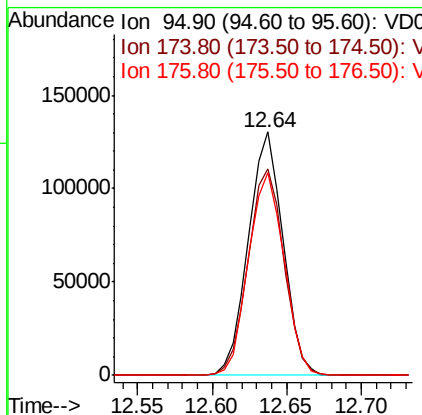
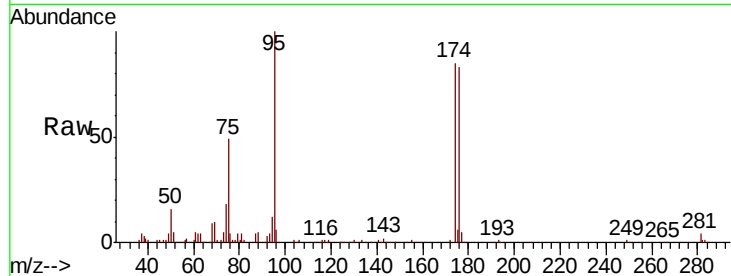




#62
4-Bromofluorobenzene
Concen: 44.022 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

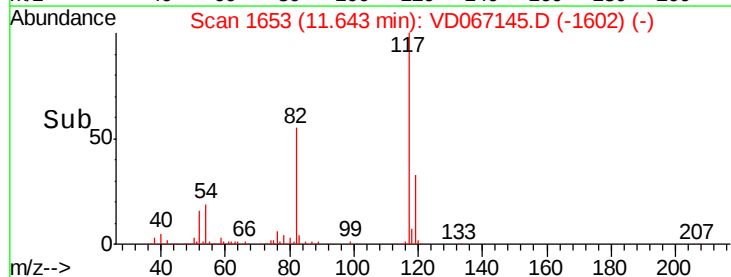
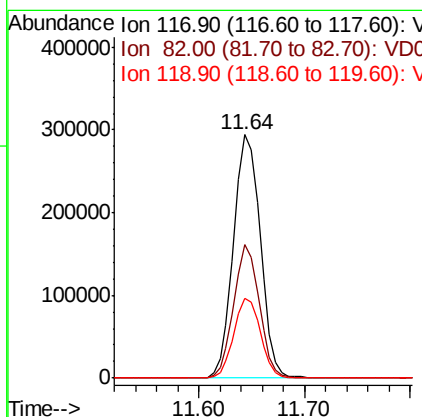
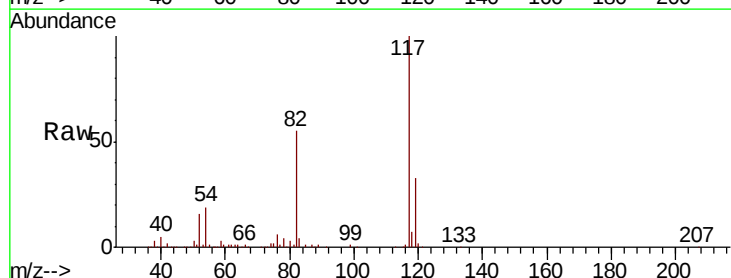
Instrument :
MSVOA_D
ClientSampleId :
S-1

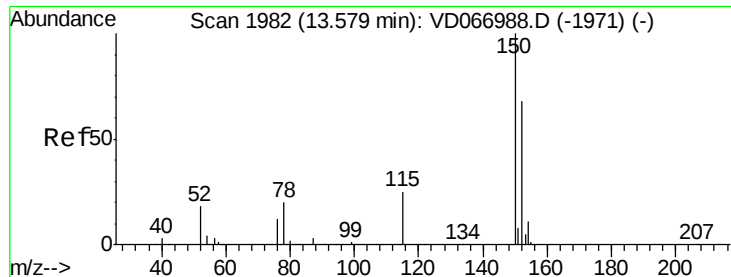
Tot Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	167.6
176	85.8	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067145.D
Acq: 07 Oct 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.8	42.6	63.8
119	33.0	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

S-1

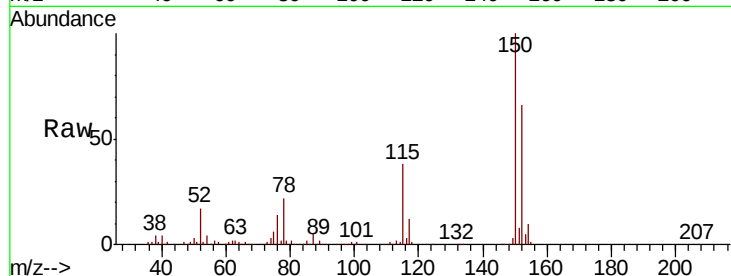
Tot Ion:152 Resp: 233841

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.8

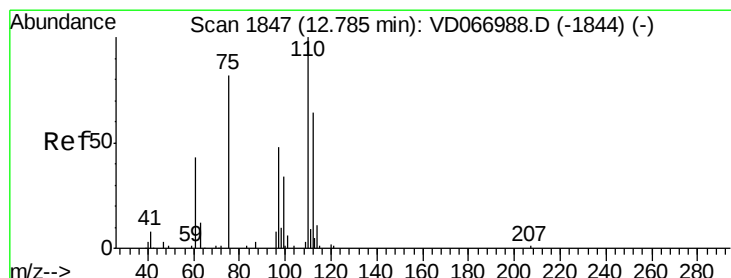
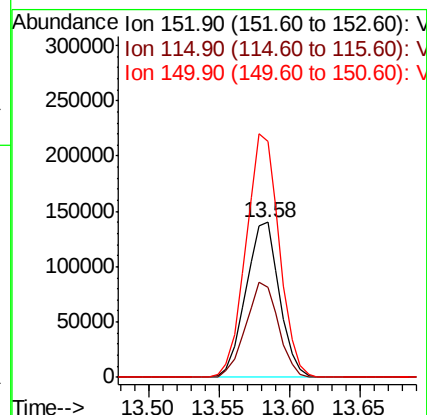
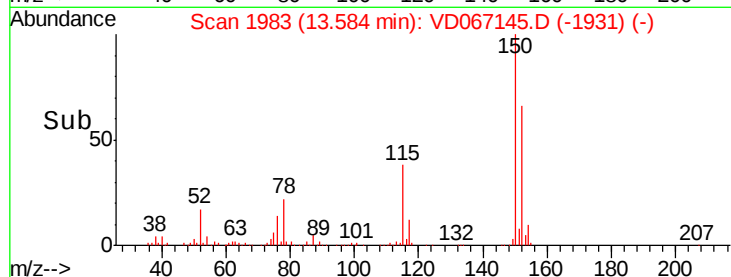
150 155.3 0.0 344.8



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: 52.409 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067145.D

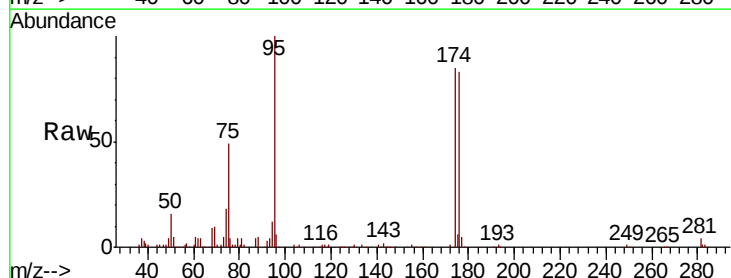
Acq: 07 Oct 2020 11:54

Tgt Ion: 75 Resp: 106749

Ion Ratio Lower Upper

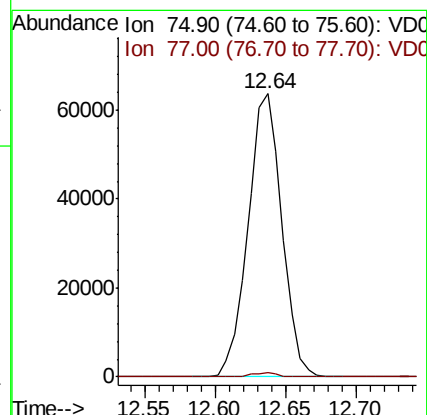
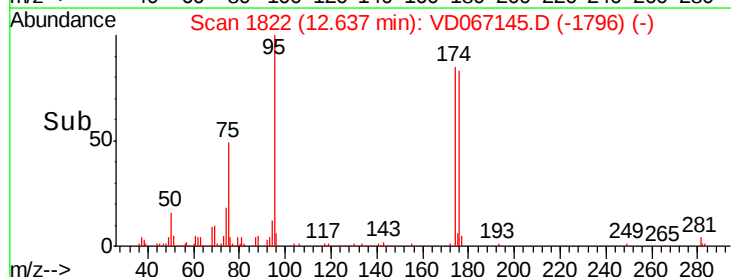
75 100

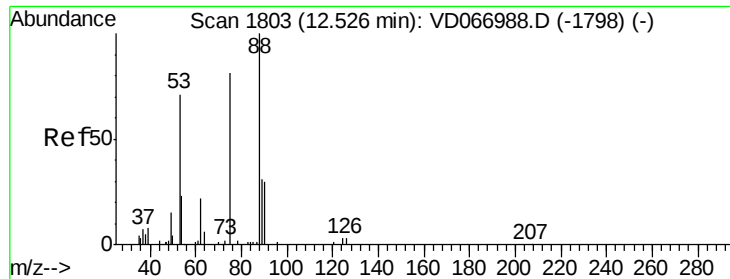
77 1.2 0.0 0.0#



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: 130.663 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

Instrument :

MSVOA_D

ClientSampleId :

S-1

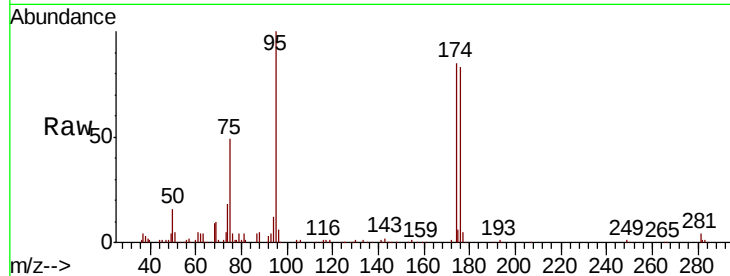
Tot Ion: 75 Resp: 106749

Ion Ratio Lower Upper

75 100

53 0.2 73.8 110.6#

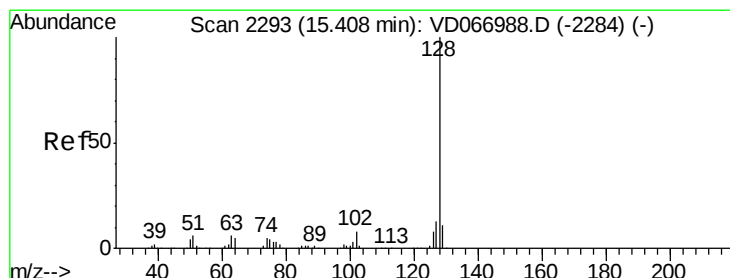
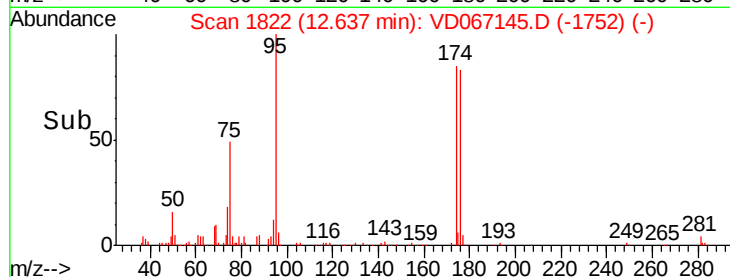
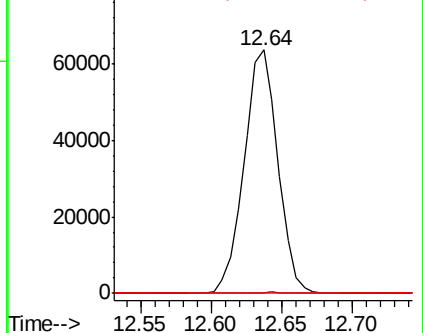
89 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#95

Naphthalene

Concen: 2.239 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD067145.D

Acq: 07 Oct 2020 11:54

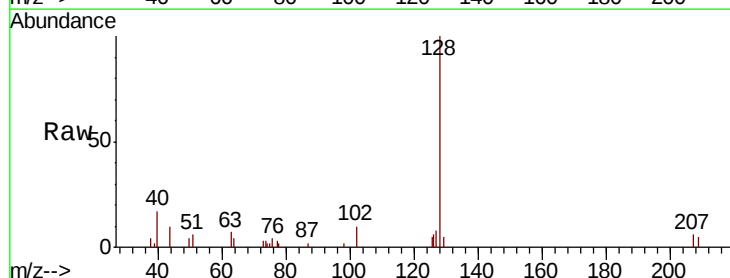
Tgt Ion:128 Resp: 15754

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 9.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

