

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065093.D
 Acq On : 06 Feb 2020 18:17
 Operator : VA/SY
 Sample : L1393-06RE
 Misc : 6.866G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:10:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	783471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	773581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	361089	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	228734	56.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.58%	
35) Dibromofluoromethane	7.92	113	242332	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	10.34	98	962484	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
62) 4-Bromofluorobenzene	12.64	95	333093	60.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.84%	

Target Compounds

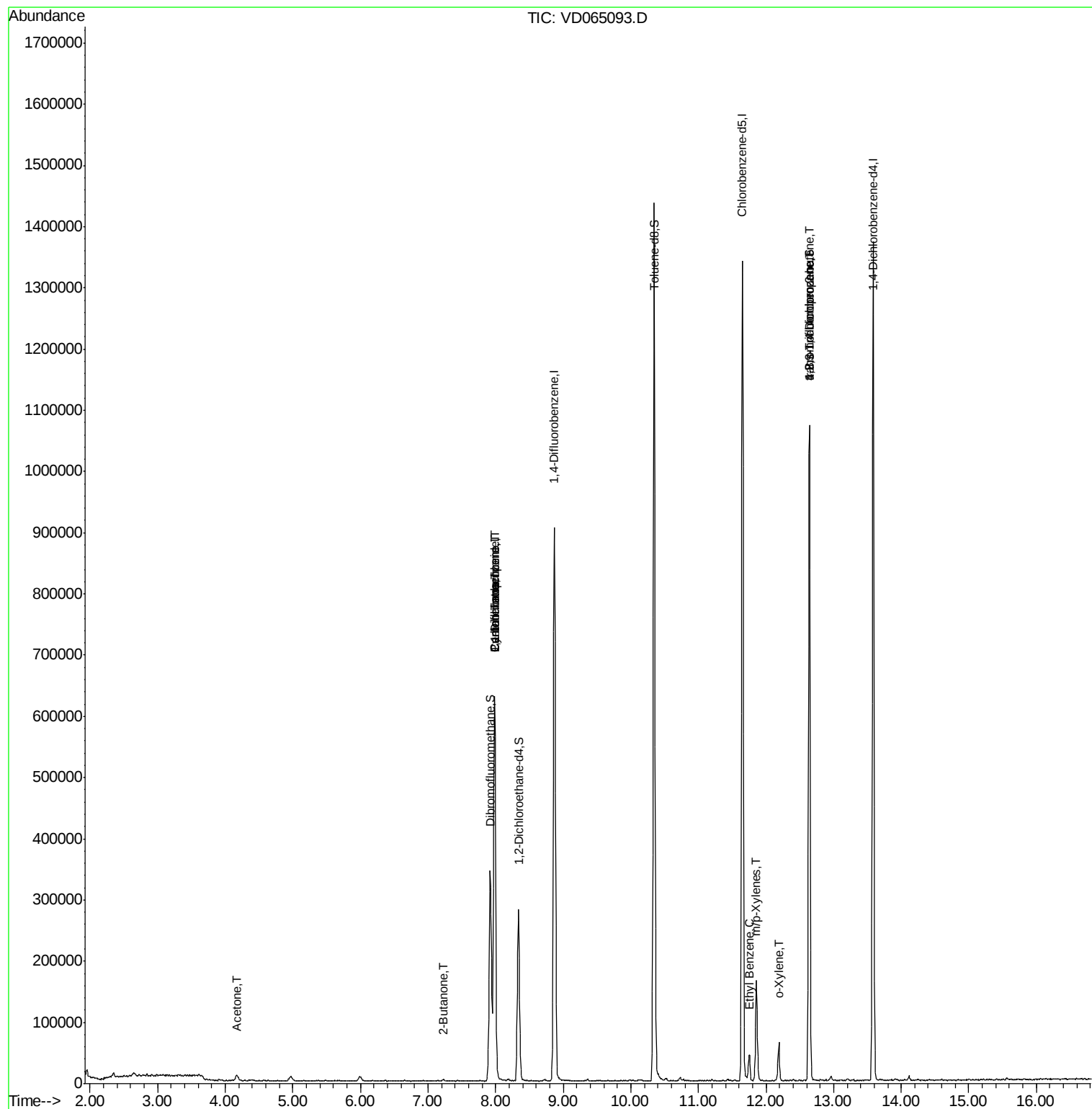
					Qvalue	
16) Acetone	4.17	43	15355	15.248	ug/l	100
20) Methylene Chloride	4.97	84	5409	Below Cal	#	83
25) 2-Butanone	7.22	43	2229	1.856	ug/l	94
31) Cyclohexane	7.98	56	11234	1.402	ug/l #	30
36) 1,1-Dichloropropene	7.98	75	36124	4.959	ug/l #	50
38) Carbon Tetrachloride	7.98	117	45383	6.099	ug/l #	16
67) Ethyl Benzene	11.75	91	30245	1.113	ug/l	99
68) m/p-Xylenes	11.86	106	49765	4.797	ug/l	99
69) o-Xylene	12.19	106	16647	1.782	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	178163	65.170	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	178163	130.335	ug/l #	10

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

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Instrument :
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ClientSampleId :

Quant Time: Feb 07 06:10:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065093.D

Acq: 06 Feb 2020 18:17

Instrument :

MSVOA_D

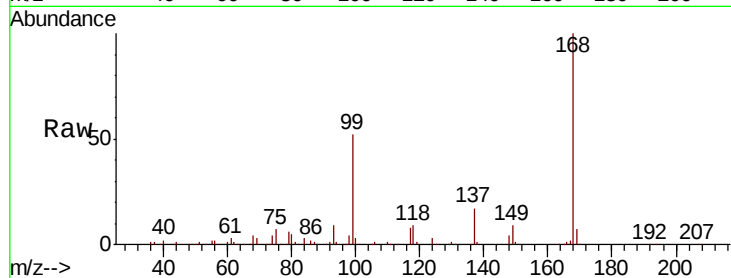
ClientSampleId :

Tot Ion:168 Resp: 473896

Ion Ratio Lower Upper

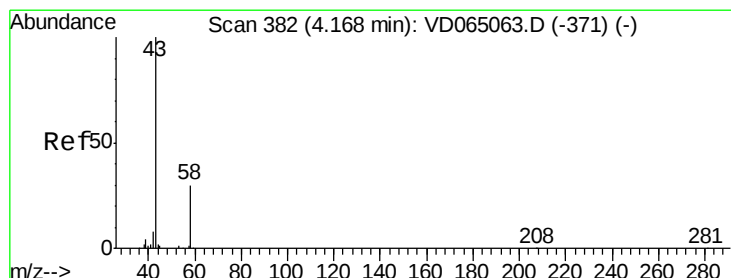
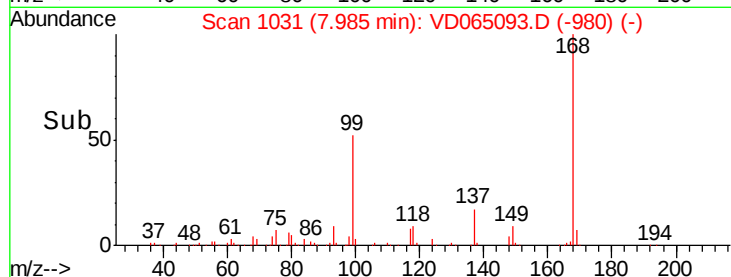
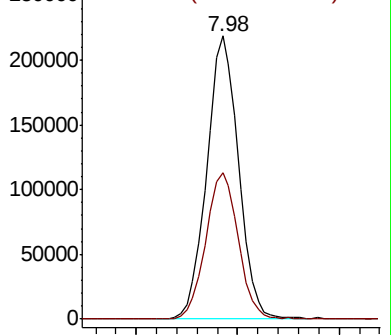
168 100

99 51.7 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 15.248 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065093.D

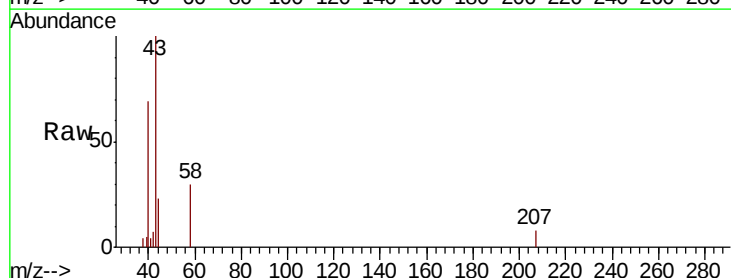
Acq: 06 Feb 2020 18:17

Tgt Ion: 43 Resp: 15355

Ion Ratio Lower Upper

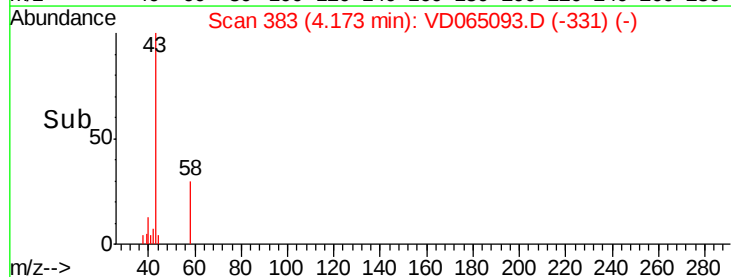
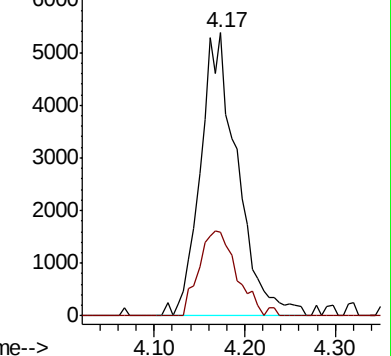
43 100

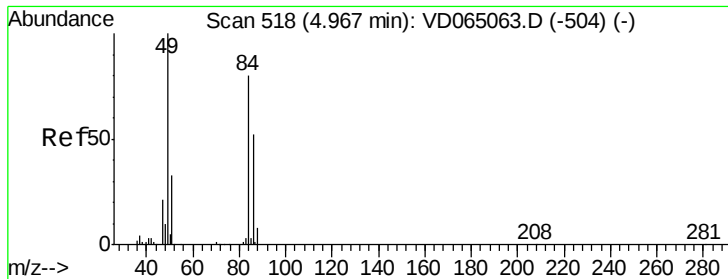
58 29.5 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

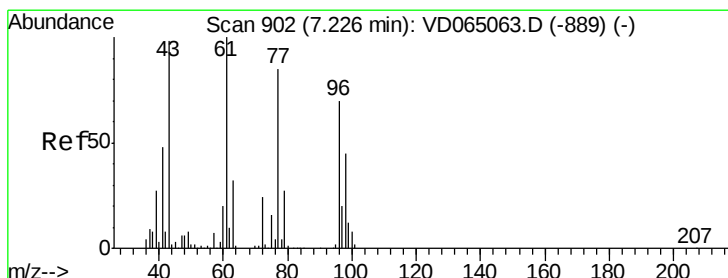
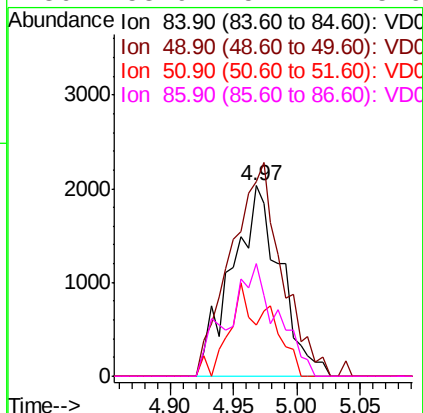
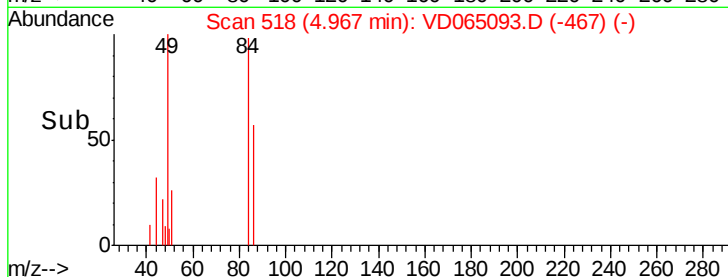
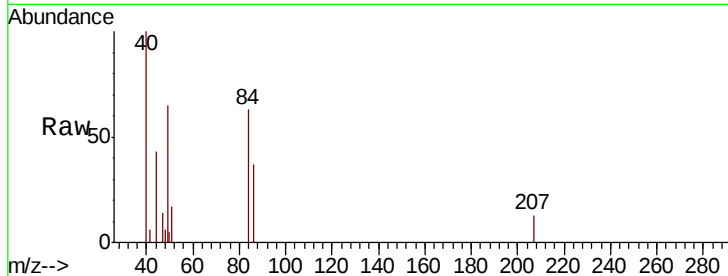




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

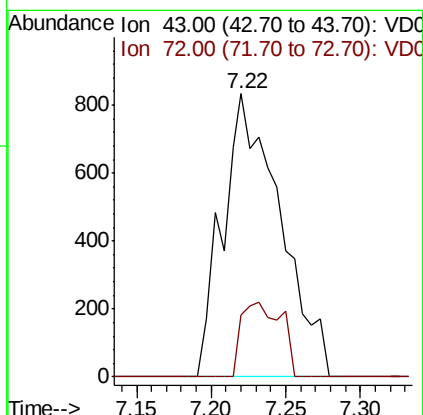
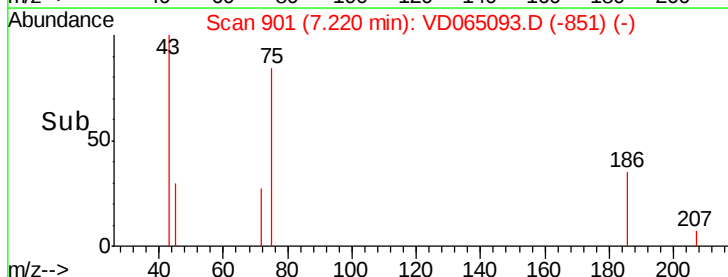
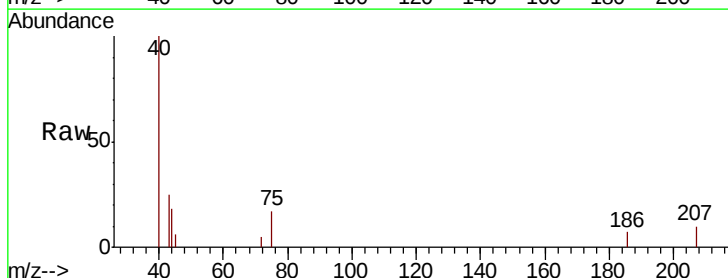
Instrument :
MSVOA_D
ClientSampleId :

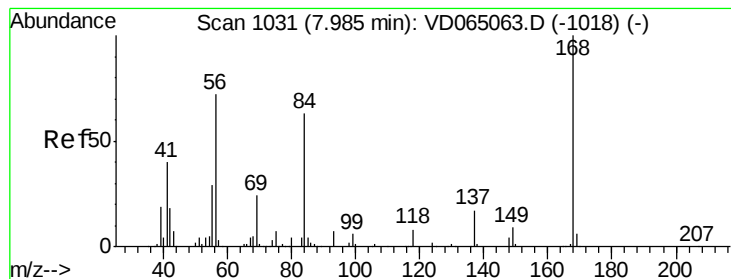
Tot Ion: 84 Resp: 5409
Ion Ratio Lower Upper
84 100
49 102.4 100.4 150.6
51 26.6 32.7 49.1#
86 58.9 52.4 78.6



#25
2-Butanone
Concen: 1.856 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

Tgt Ion: 43 Resp: 2229
Ion Ratio Lower Upper
43 100
72 21.8 19.9 29.9





#31

Cyclohexane

Concen: 1.402 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065093.D

Acq: 06 Feb 2020 18:17

Instrument :
MSVOA_D
ClientSampled :

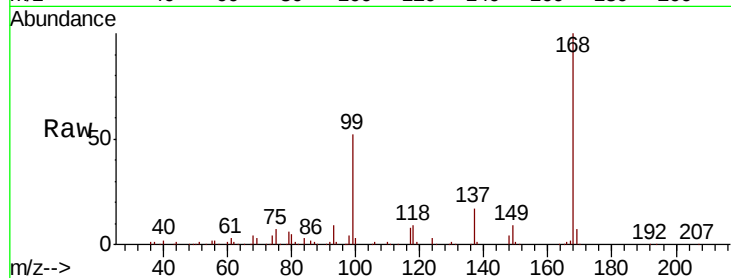
Tot Ion: 56 Resp: 11234

Ion Ratio Lower Upper

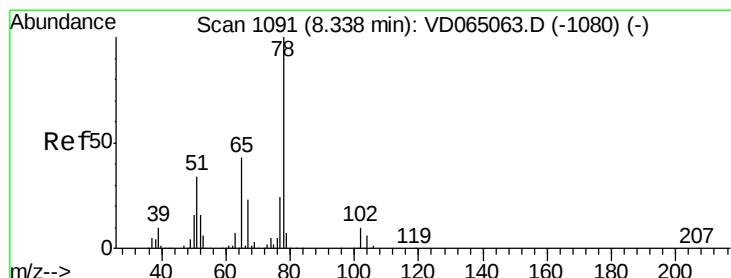
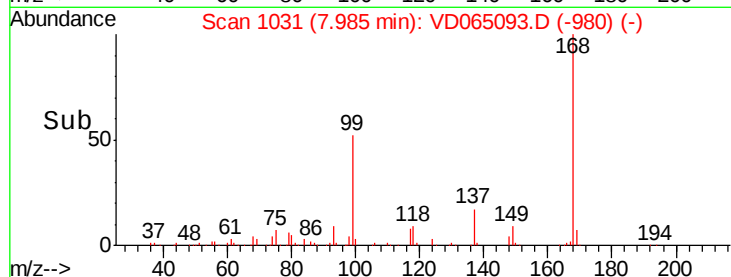
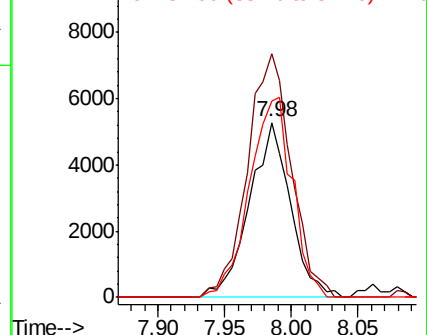
56 100

69 139.4 26.6 40.0#

84 112.7 70.6 106.0#



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: 56.790 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065093.D

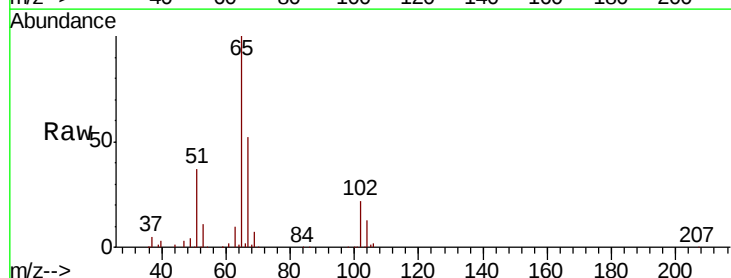
Acq: 06 Feb 2020 18:17

Tgt Ion: 65 Resp: 228734

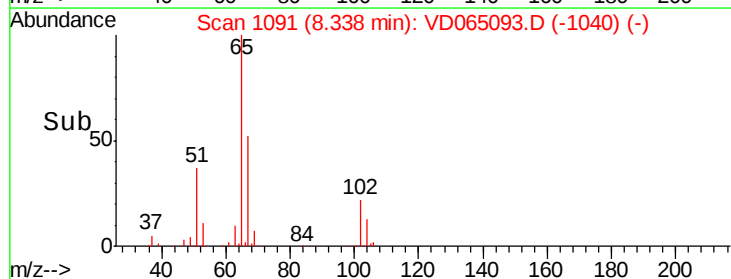
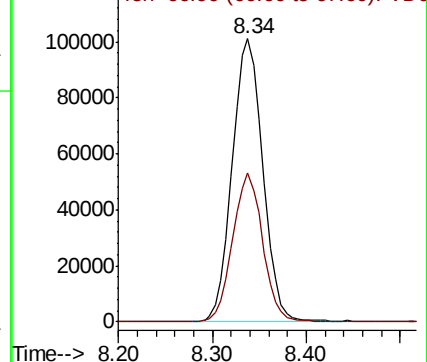
Ion Ratio Lower Upper

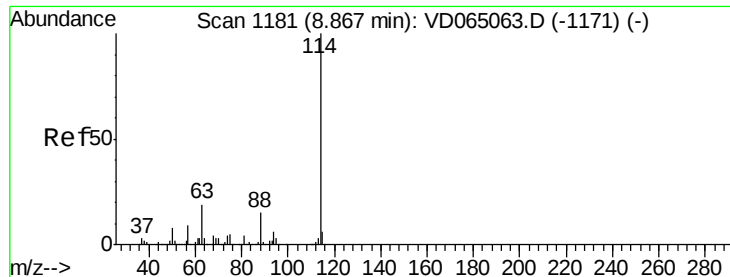
65 100

67 51.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

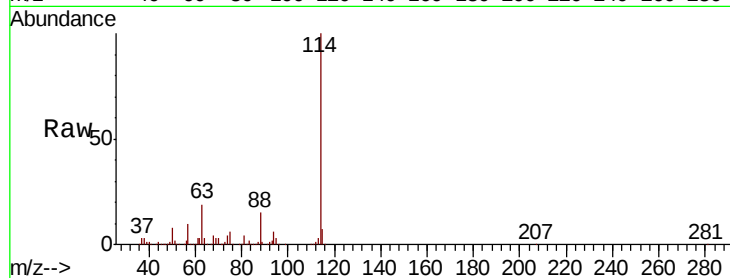




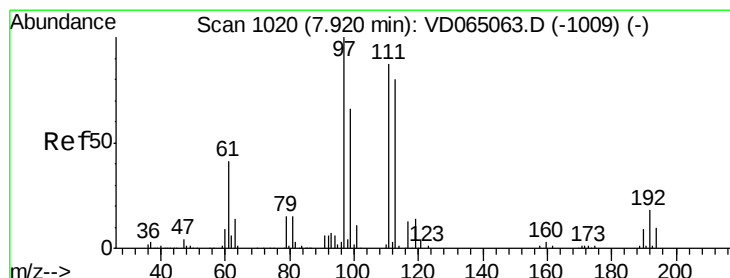
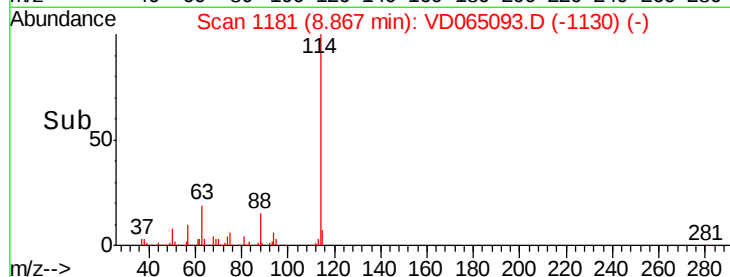
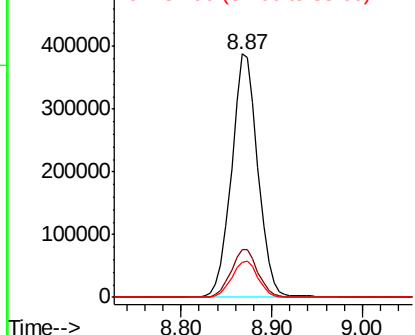
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.8
88	14.5	0.0	29.6

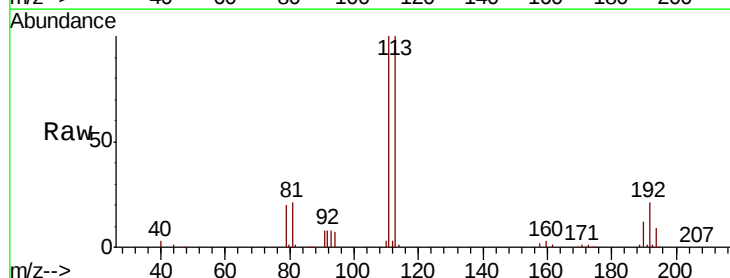


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

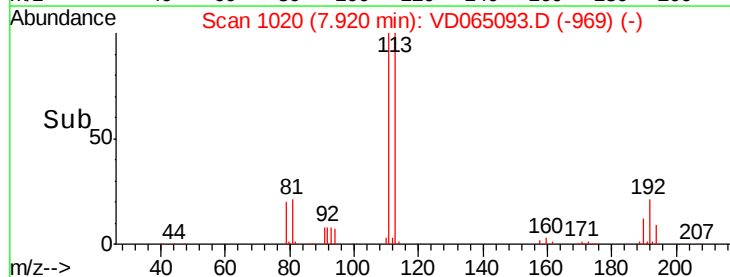
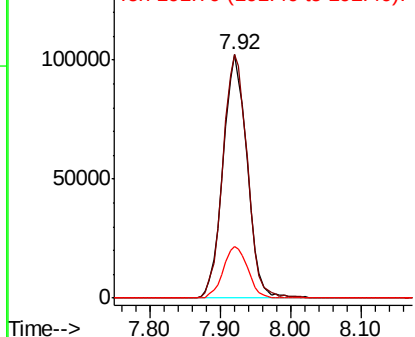


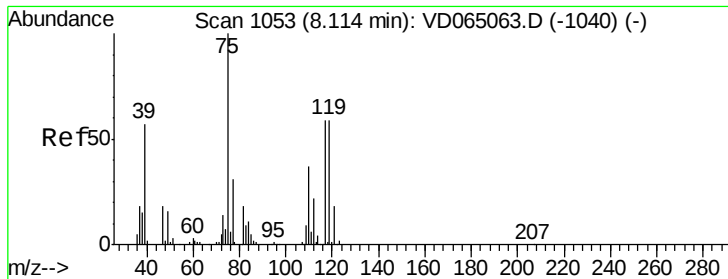
#35
Dibromofluoromethane
Concen: 55.437 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.1	124.7
192	21.5	18.1	27.1



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

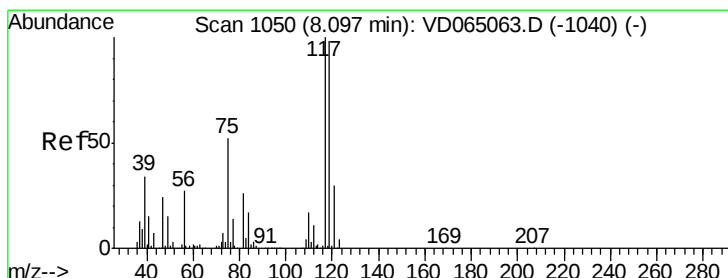
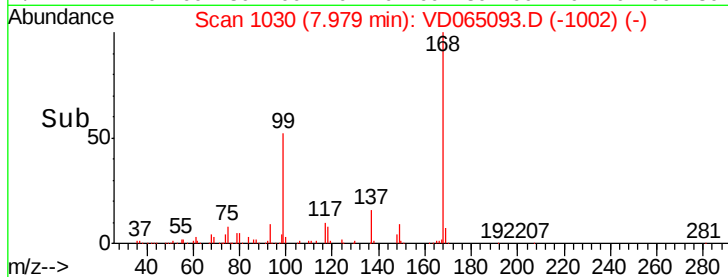
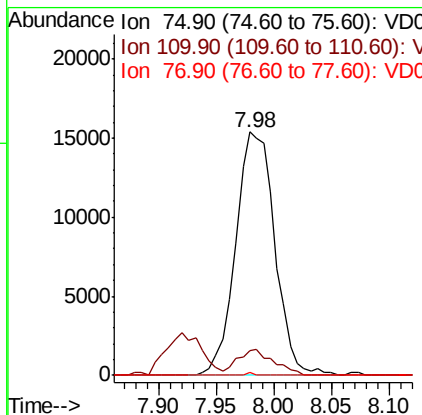
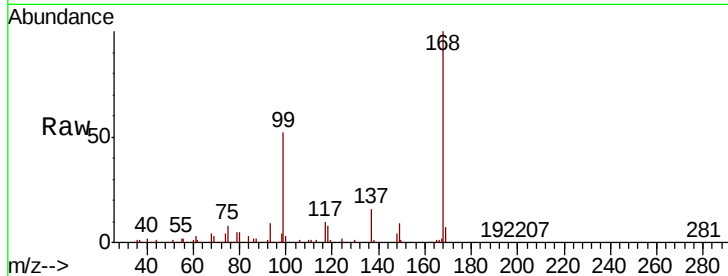




#36
 1,1-Dichloropropene
 Concen: 4.959 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065093.D
 Acq: 06 Feb 2020 18:17

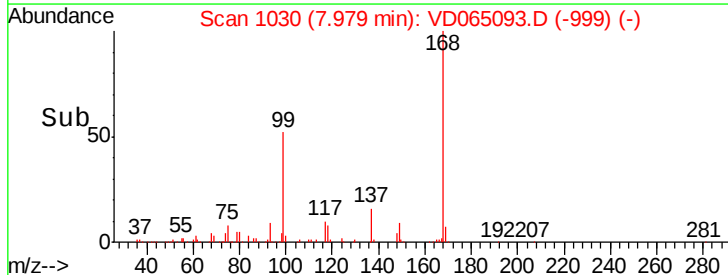
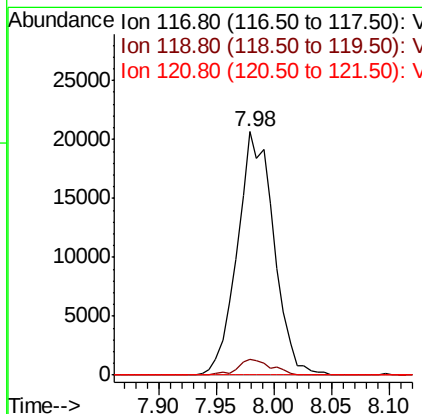
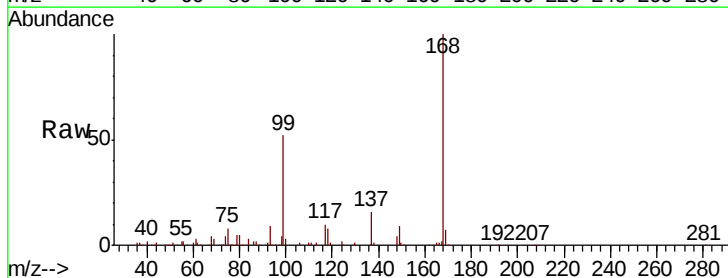
Instrument :
 MSVOA_D
 ClientSampleId :

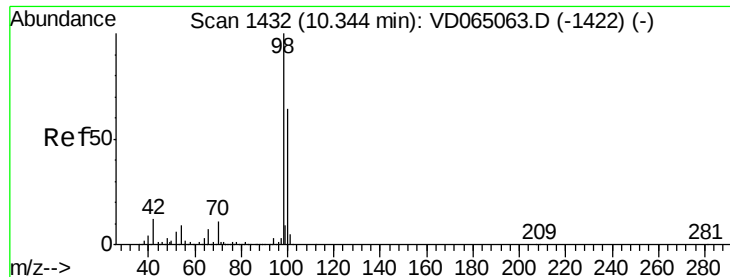
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.3#
77	0.2	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.099 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065093.D
 Acq: 06 Feb 2020 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	78.5	117.7#
121	0.0	23.8	35.6#

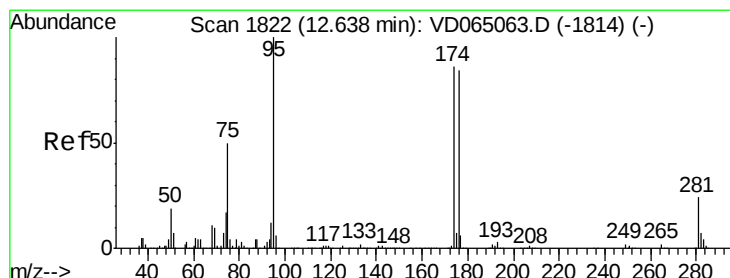
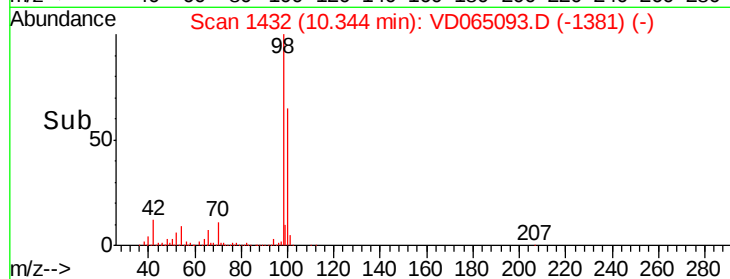
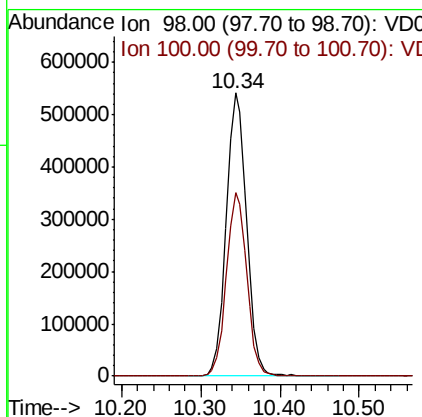
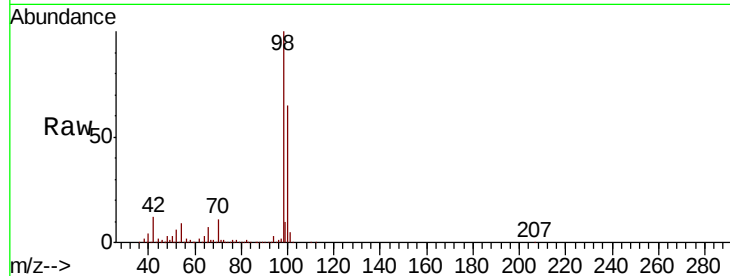




#50
Toluene-d8
Concen: 55.318 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

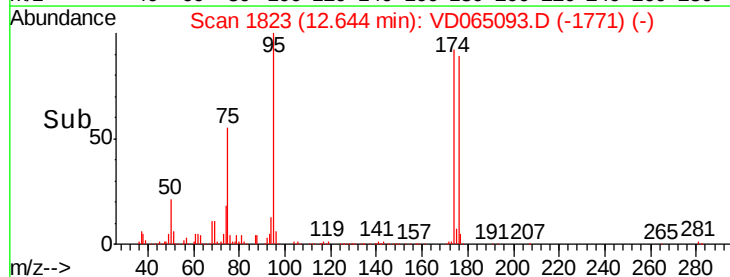
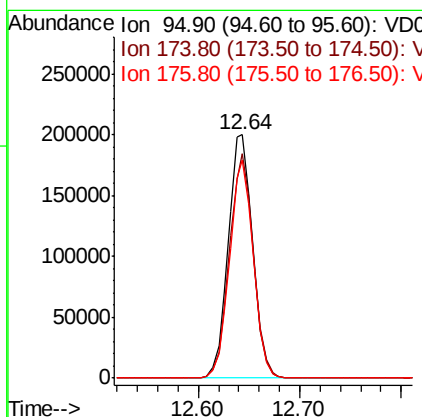
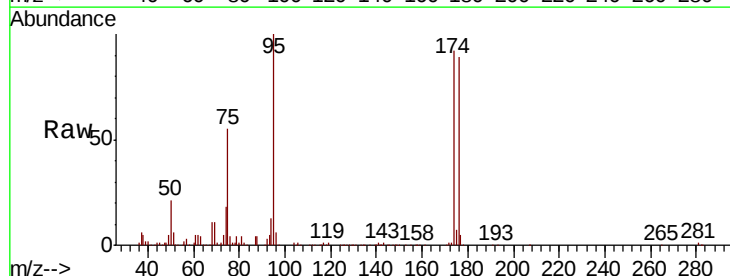
Instrument :
MSVOA_D
ClientSampleId :

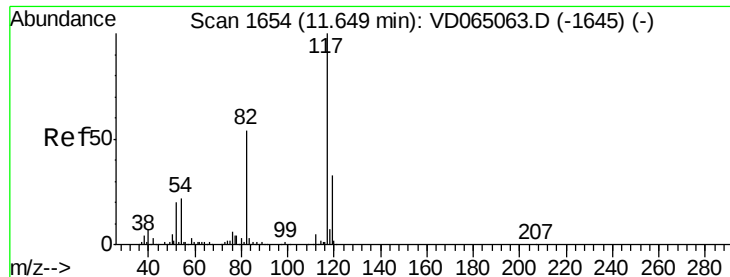
Tot Ion: 98 Resp: 962484
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 60.419 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

Tgt Ion: 95 Resp: 333093
Ion Ratio Lower Upper
95 100
174 90.2 0.0 180.0
176 87.0 0.0 173.2

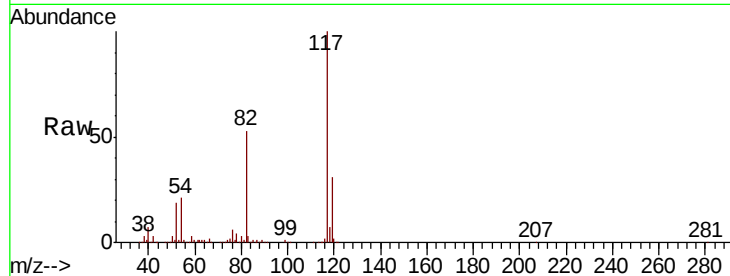




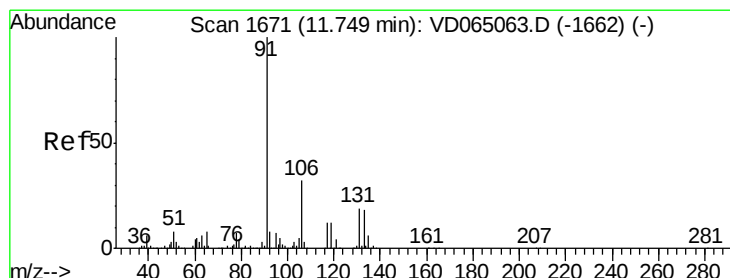
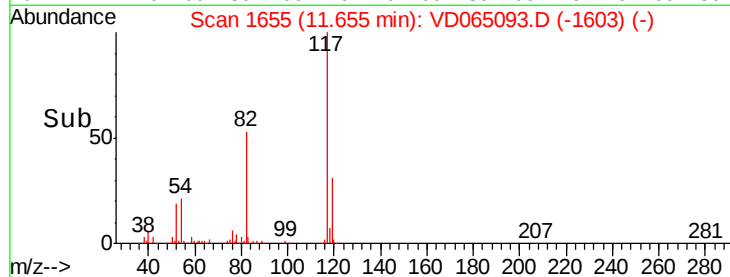
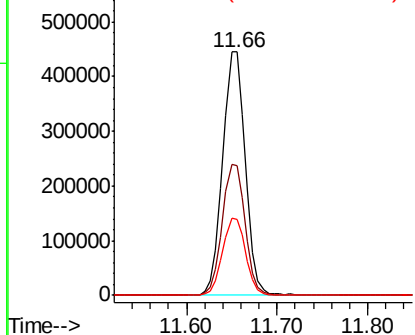
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 773581
Ion Ratio Lower Upper
117 100
82 53.5 43.1 64.7
119 31.4 26.0 39.0

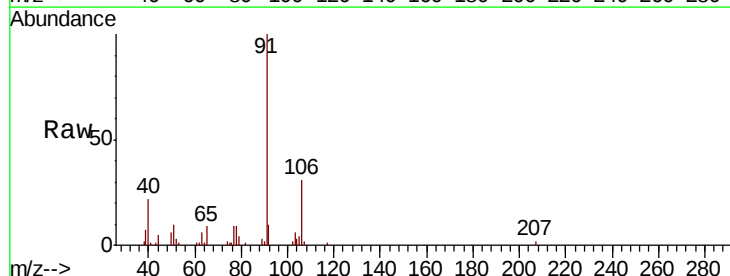


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

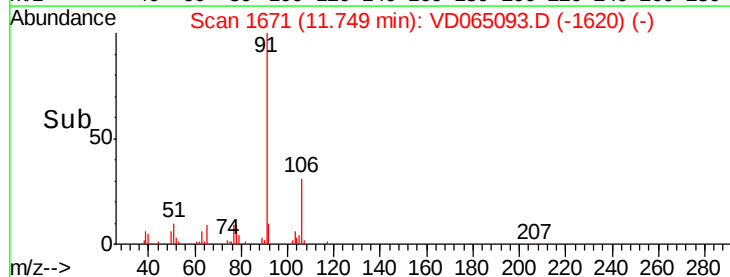
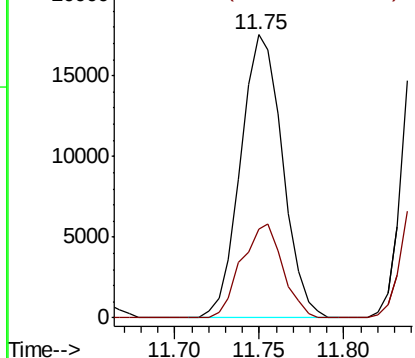


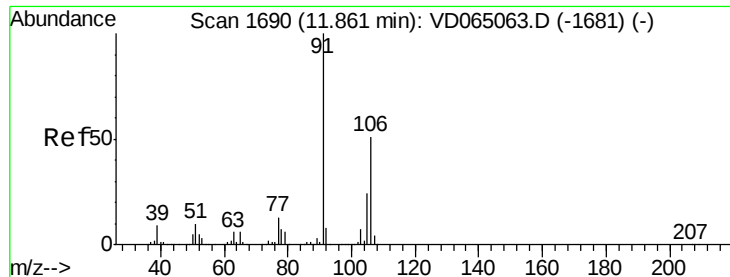
#67
Ethyl Benzene
Concen: 1.113 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

Tgt Ion: 91 Resp: 30245
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

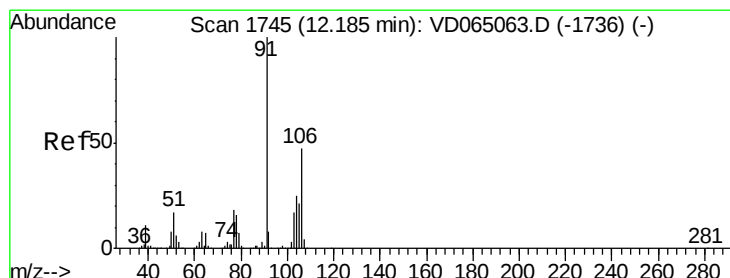
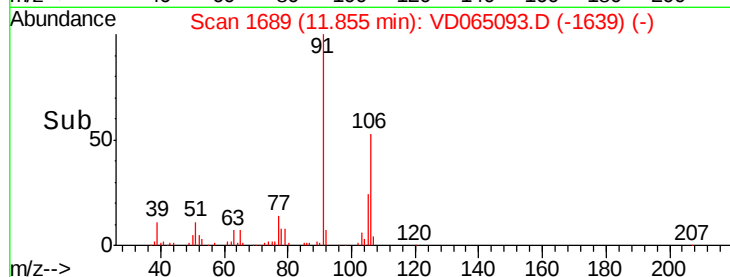
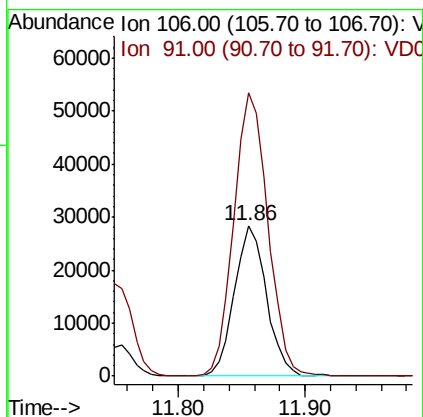
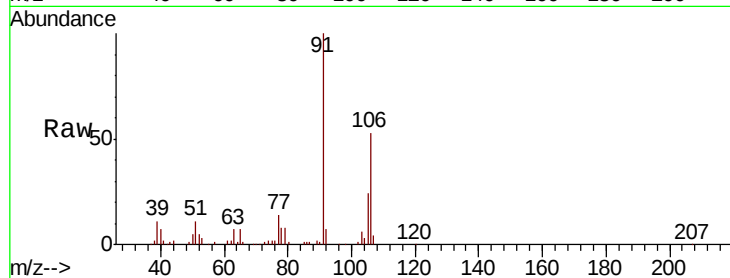




#68
m/p-Xylenes
Concen: 4.797 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

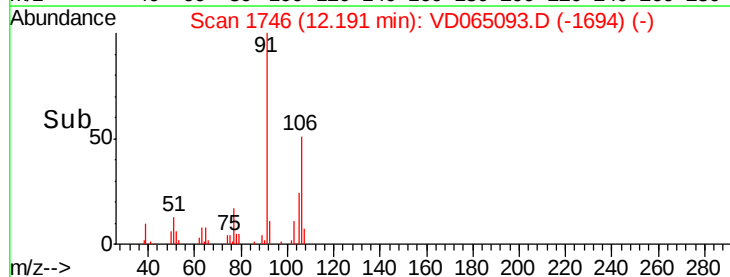
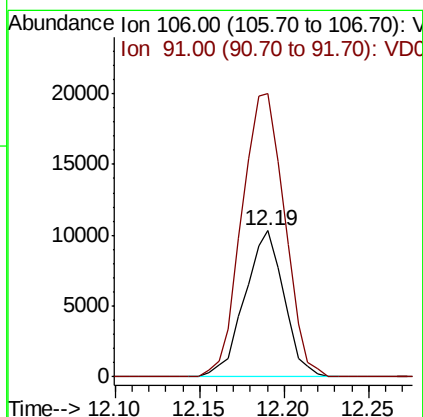
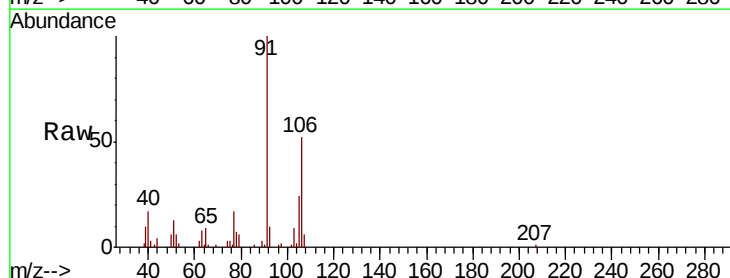
Instrument :
MSVOA_D
ClientSampleId :

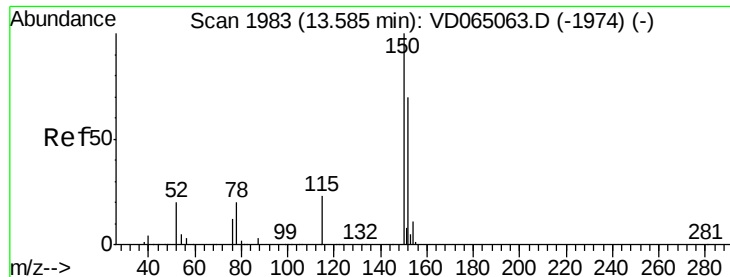
Tot Ion:106 Resp: 49765
Ion Ratio Lower Upper
106 100
91 200.0 158.9 238.3



#69
o-Xylene
Concen: 1.782 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065093.D
Acq: 06 Feb 2020 18:17

Tgt Ion:106 Resp: 16647
Ion Ratio Lower Upper
106 100
91 212.1 104.7 313.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065093.D

Acq: 06 Feb 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

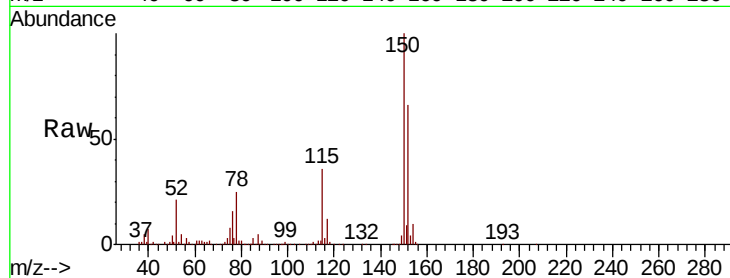
Tot Ion:152 Resp: 361089

Ion Ratio Lower Upper

152 100

115 56.0 27.5 82.4

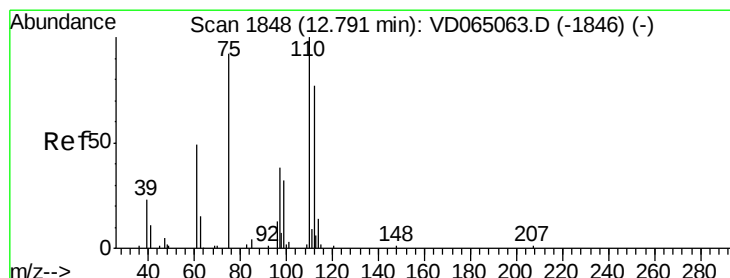
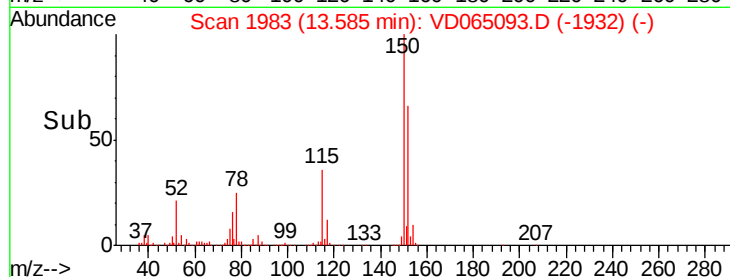
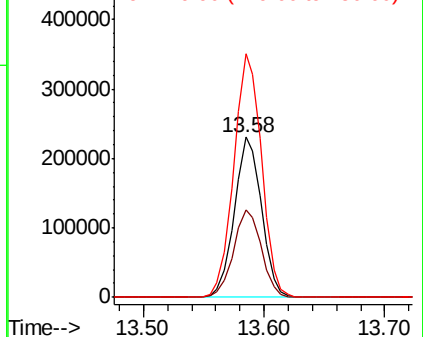
150 155.3 0.0 343.2



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: 65.170 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065093.D

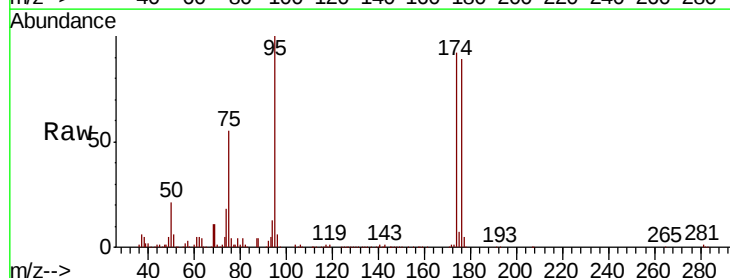
Acq: 06 Feb 2020 18:17

Tgt Ion: 75 Resp: 178163

Ion Ratio Lower Upper

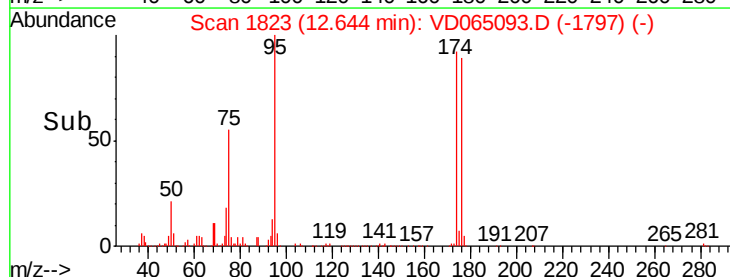
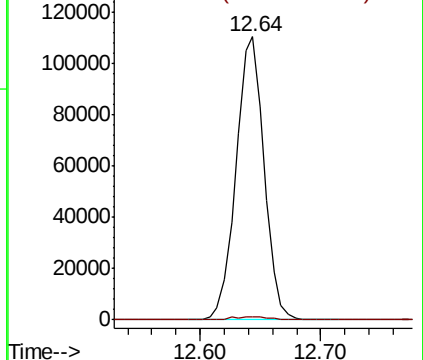
75 100

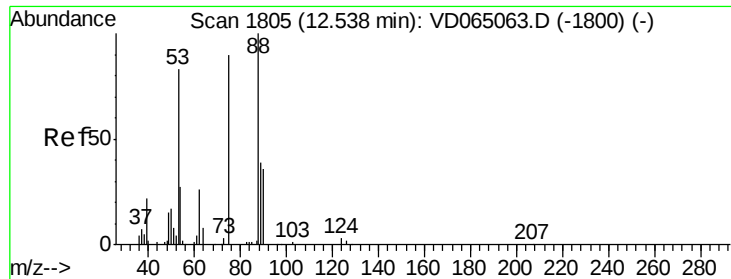
77 1.3 0.0 0.0#



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: 130.335 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065093.D

Acq: 06 Feb 2020 18:17

Instrument :

MSVOA_D

ClientSampleId :

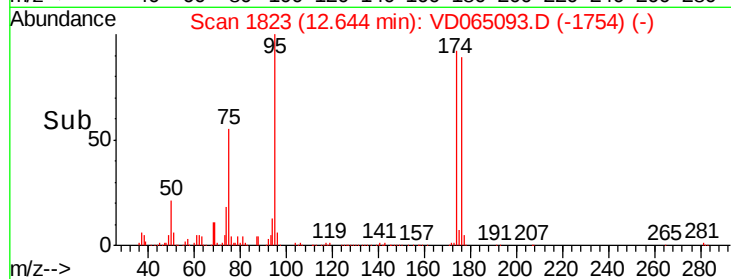
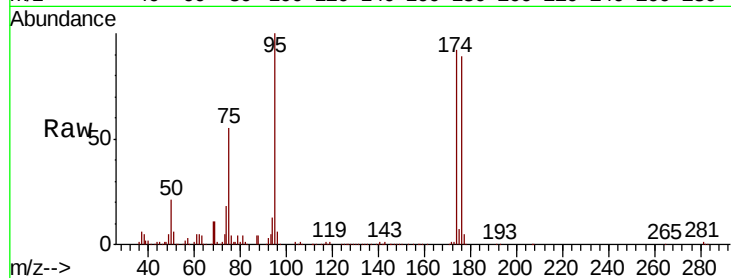
Tot Ion: 75 Resp: 178163

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.0 55.4#



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

