

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064293.D
 Acq On : 19 Nov 2019 16:51
 Operator : VA/SY
 Sample : K5927-02
 Misc : 7.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 20 03:27:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

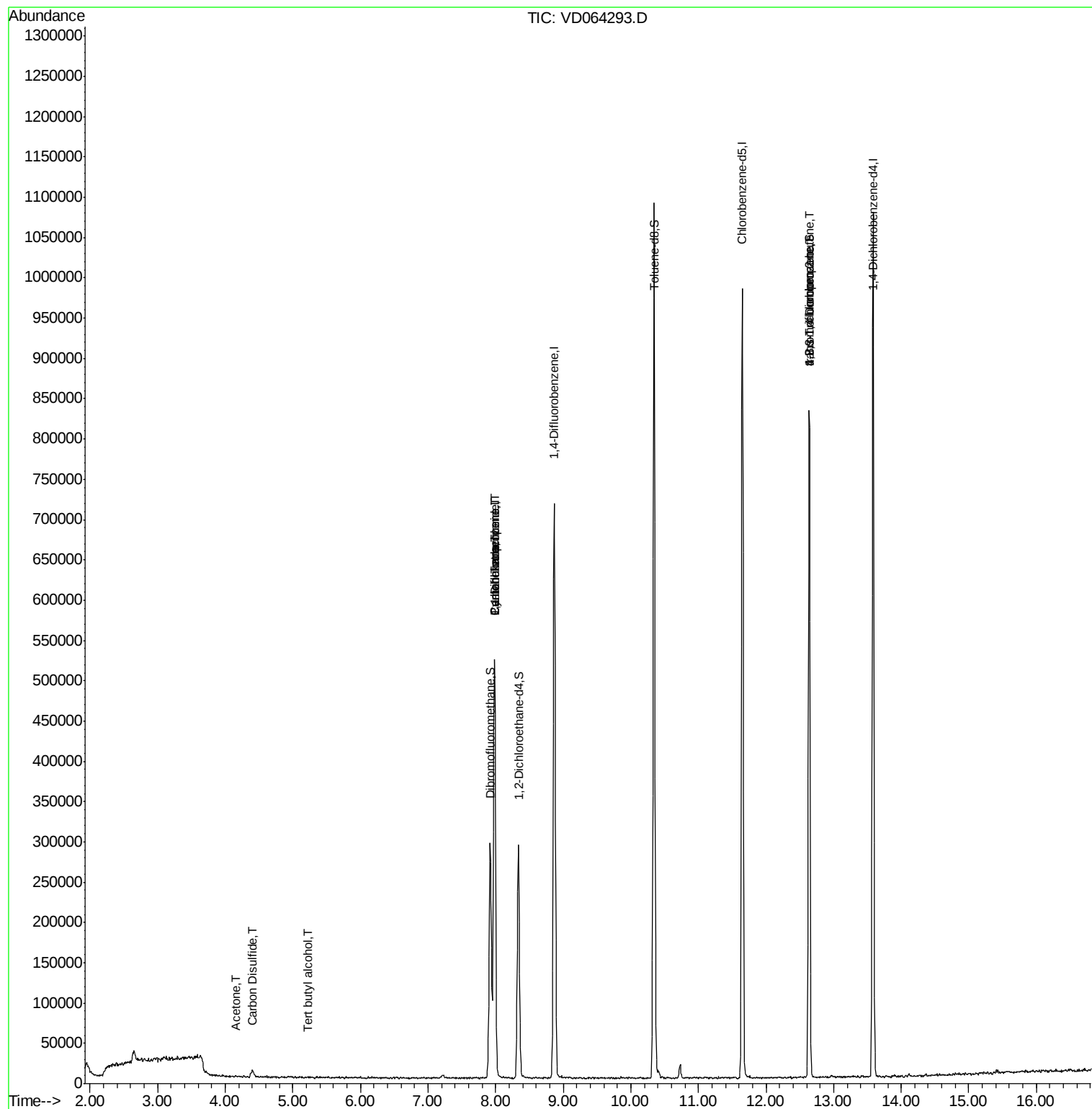
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	625692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	572573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	295529	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	228282	64.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.58%	
35) Dibromofluoromethane	7.92	113	199875	55.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.30%	
50) Toluene-d8	10.34	98	745496	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.64	95	255234	54.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.80%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	517	2.085	ug/l #	69
16) Acetone	4.16	43	1197	1.423	ug/l	91
17) Carbon Disulfide	4.40	76	17575	1.556	ug/l	96
31) Cyclohexane	7.98	56	8559	1.228	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	29007	5.023	ug/l #	50
38) Carbon Tetrachloride	7.98	117	38601	6.247	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	134596	56.544	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	134596	112.318	ug/l #	10

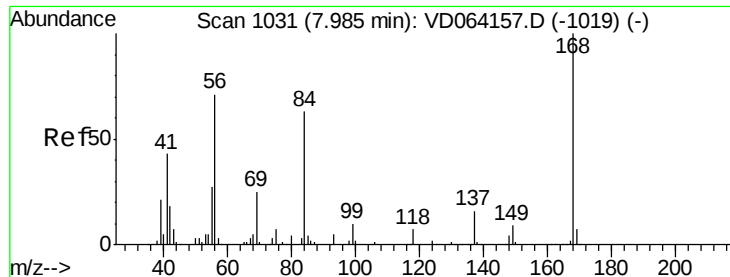
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 12 02:43:24 2019
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: VD064293.D

Acq: 19 Nov 2019 16:51

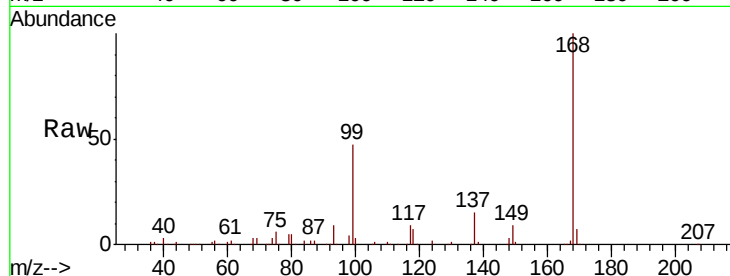
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 431735

Ion Ratio Lower Upper

168 100

99 47.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

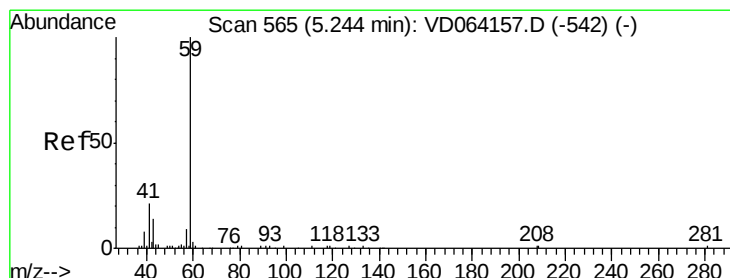
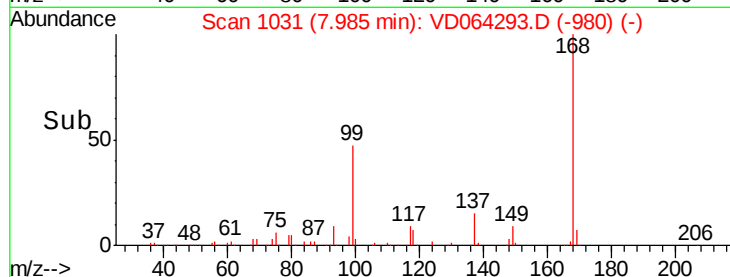
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.085 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.01 min

Lab File: VD064293.D

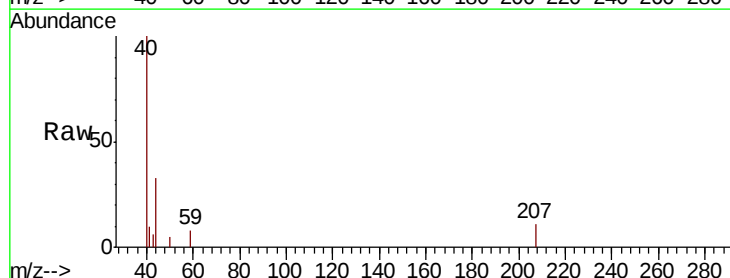
Acq: 19 Nov 2019 16:51

Tgt Ion: 59 Resp: 517

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

500

400

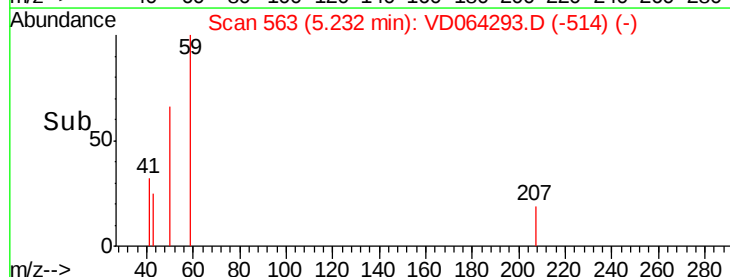
300

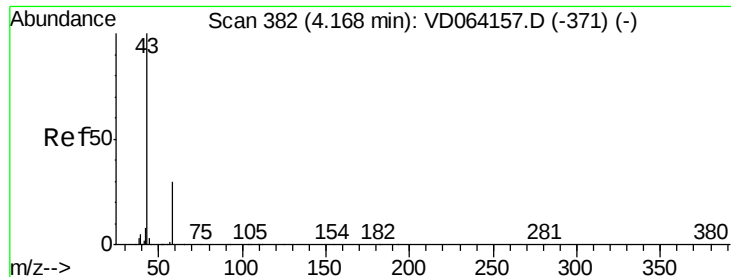
200

100

0

Time-->





#16

Acetone

Concen: 1.423 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064293.D

Acq: 19 Nov 2019 16:51

Instrument :

MSVOA_D

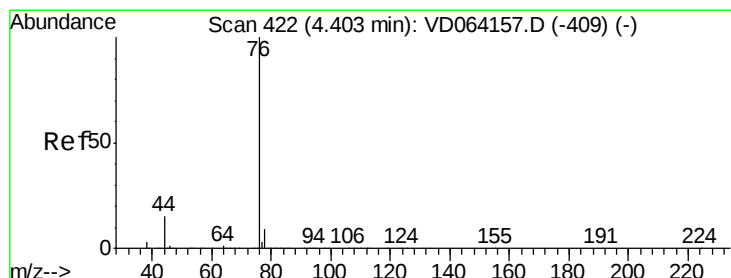
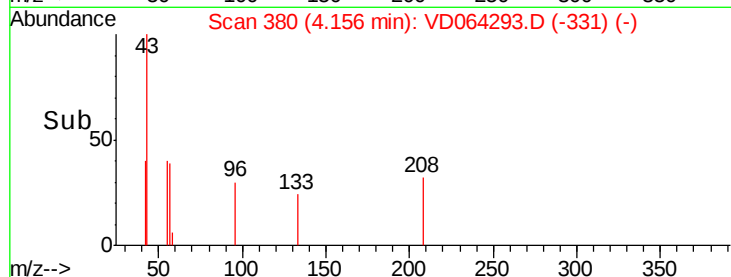
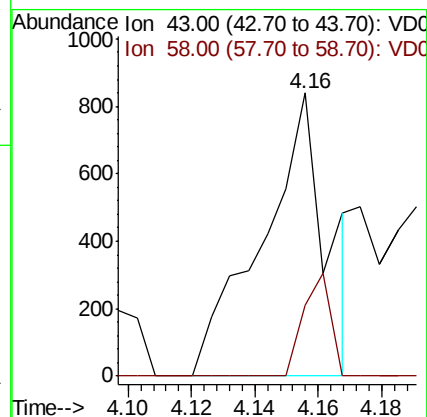
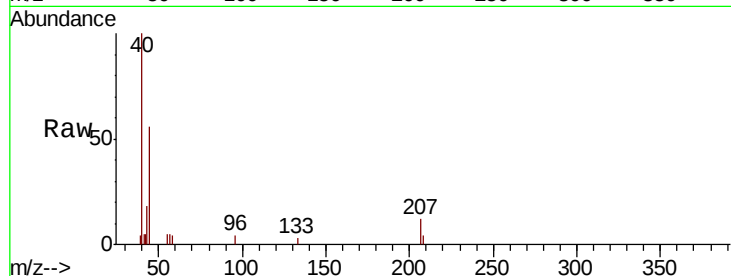
ClientSampled :

Tot Ion: 43 Resp: 1197

Ion Ratio Lower Upper

43 100

58 25.0 24.1 36.1



#17

Carbon Disulfide

Concen: 1.556 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064293.D

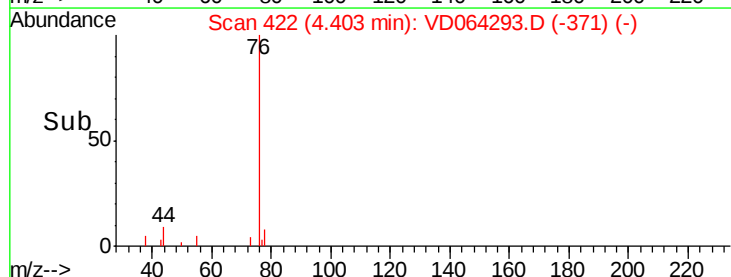
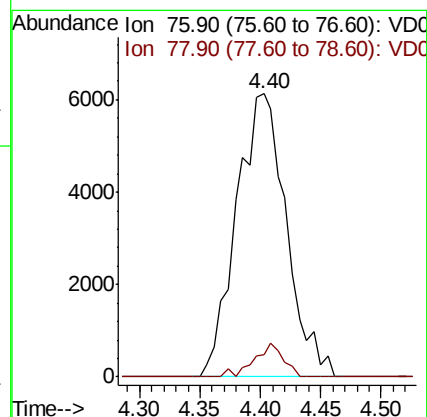
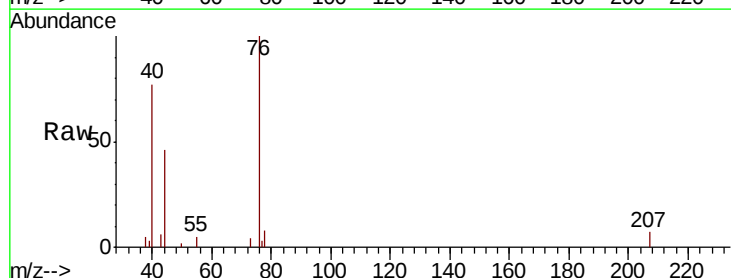
Acq: 19 Nov 2019 16:51

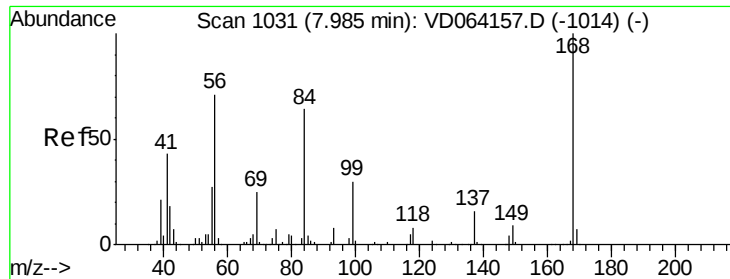
Tgt Ion: 76 Resp: 17575

Ion Ratio Lower Upper

76 100

78 7.7 7.2 10.8

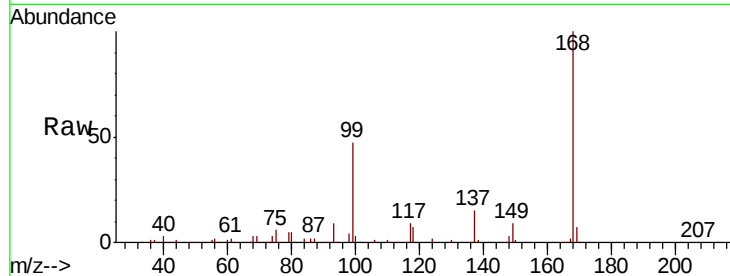




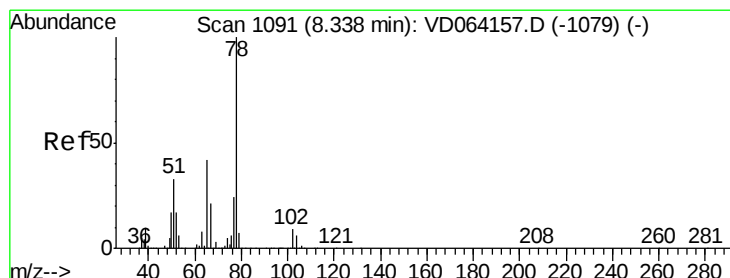
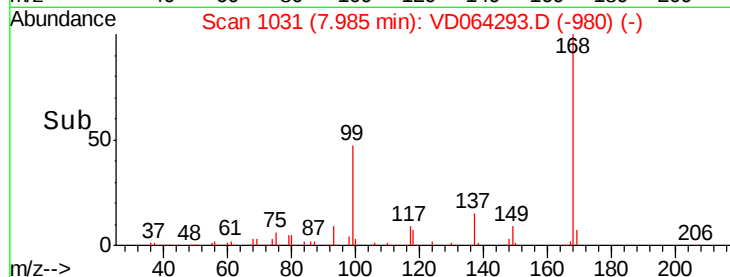
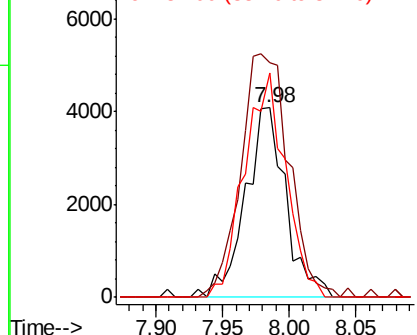
#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064293.D
Acq: 19 Nov 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 8559
Ion Ratio Lower Upper
56 100
69 123.7 28.2 42.4#
84 118.3 71.8 107.6#

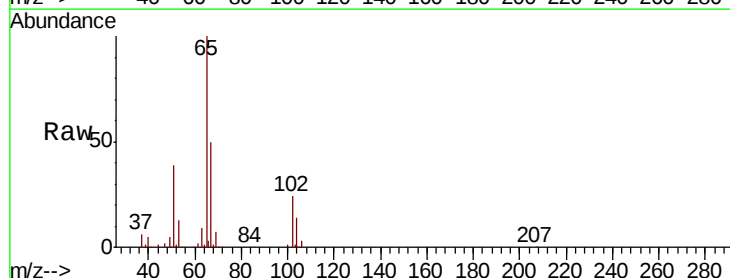


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

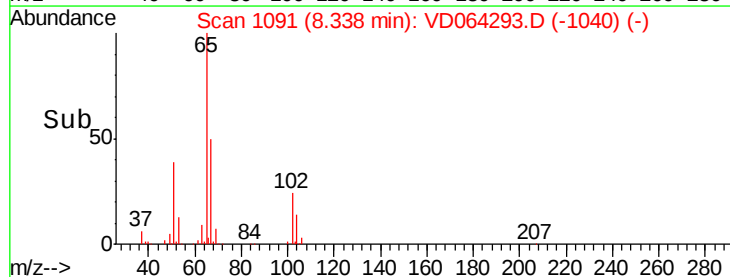
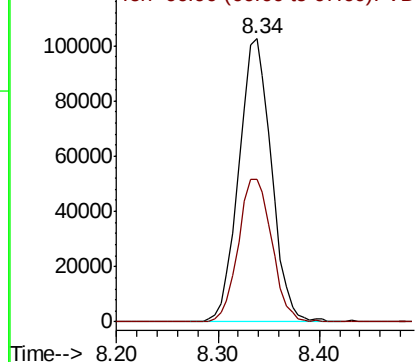


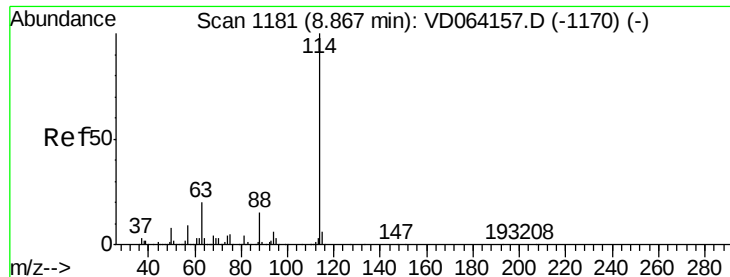
#33
1,2-Dichloroethane-d4
Concen: 64.291 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064293.D
Acq: 19 Nov 2019 16:51

Tgt Ion: 65 Resp: 228282
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.4



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

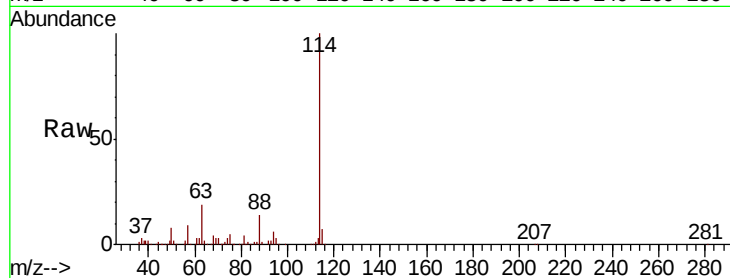




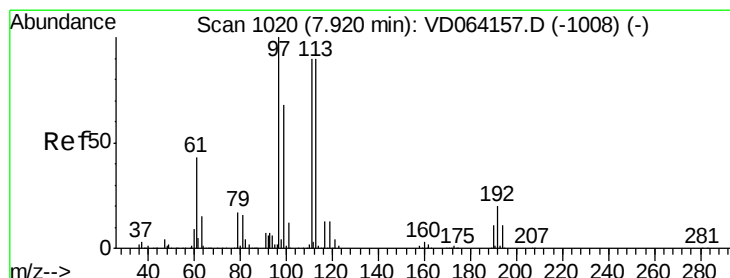
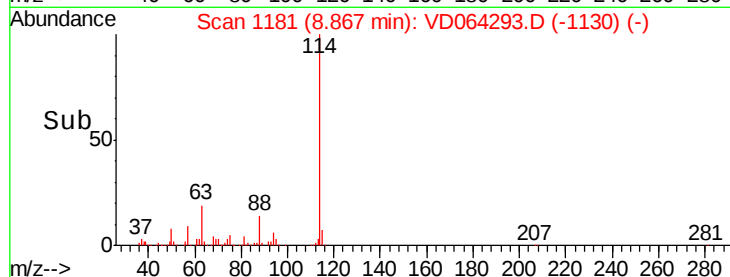
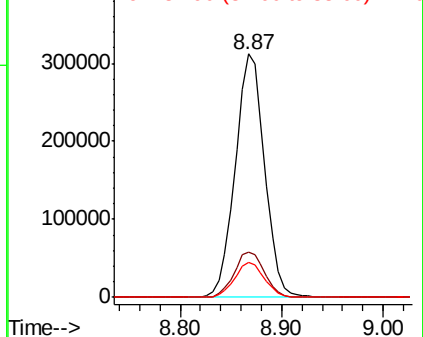
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064293.D
 Acq: 19 Nov 2019 16:51

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	40.0
88	14.1	0.0	30.2

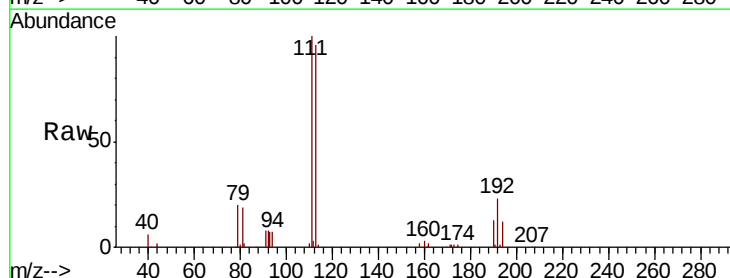


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

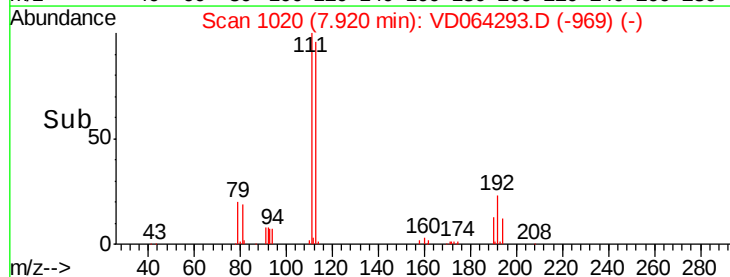
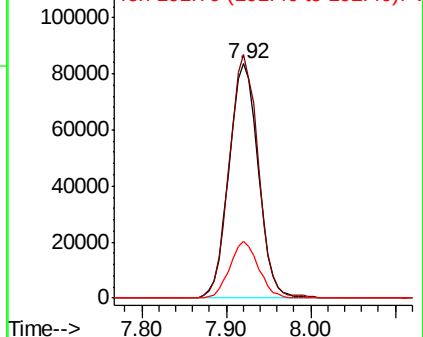


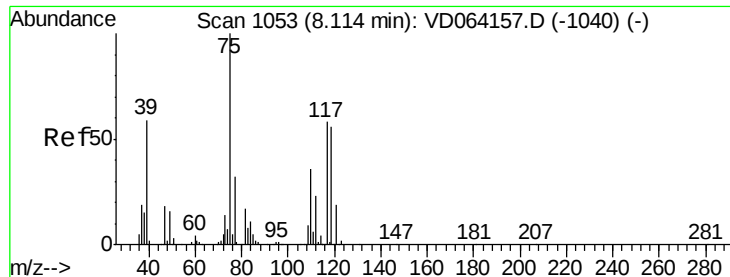
#35
 Dibromofluoromethane
 Concen: 55.651 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064293.D
 Acq: 19 Nov 2019 16:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.5	122.3
192	23.5	18.8	28.2



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: 5.023 ug/l

RT: 7.98 min Scan# 1031

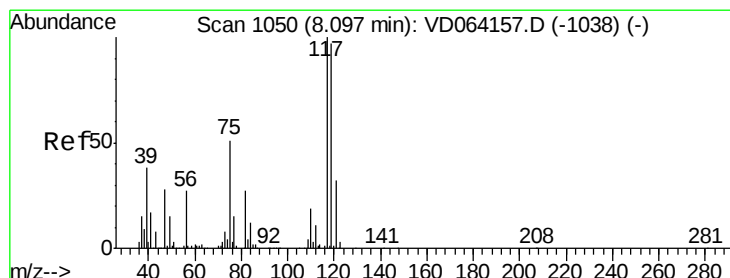
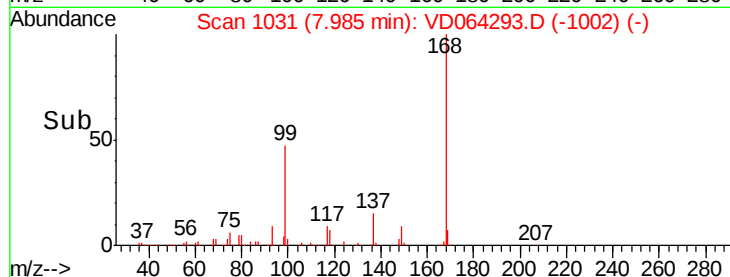
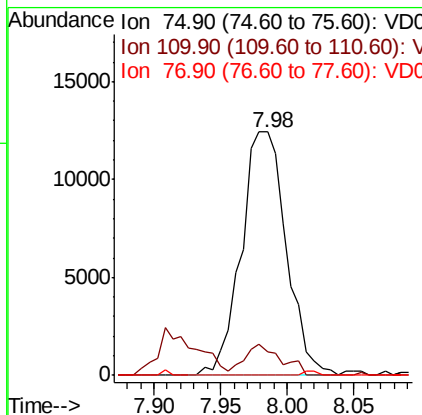
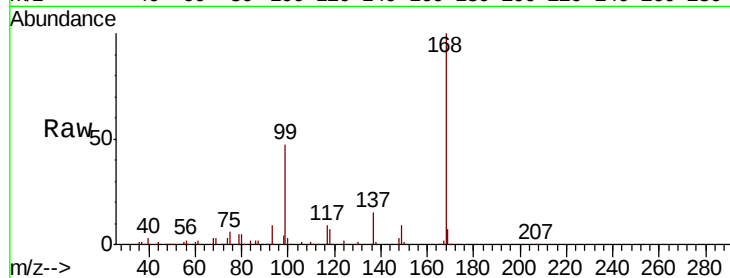
Delta R.T. -0.13 min

Lab File: VD064293.D

Acq: 19 Nov 2019 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	75	Resp:	29007
Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.3	54.9#
77	0.0	25.0	37.6#



#38

Carbon Tetrachloride

Concen: 6.247 ug/l

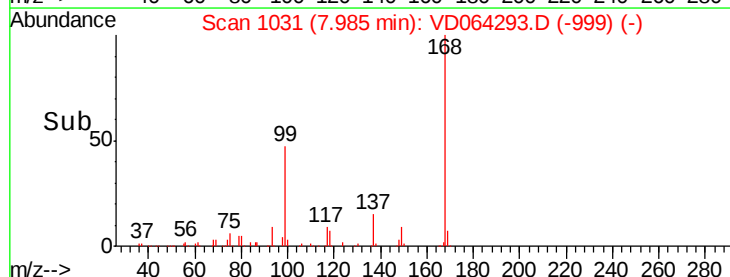
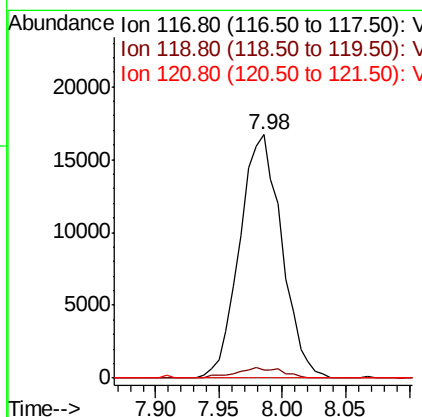
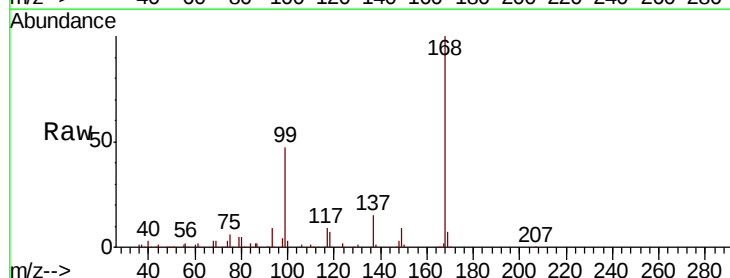
RT: 7.98 min Scan# 1031

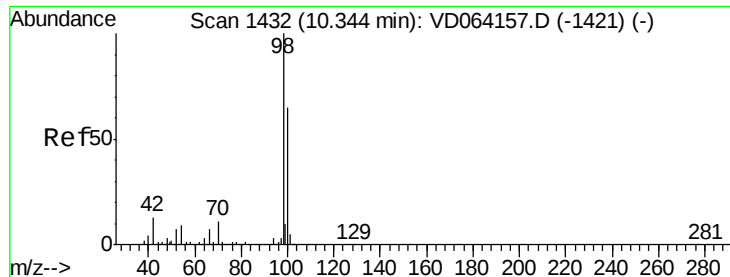
Delta R.T. -0.11 min

Lab File: VD064293.D

Acq: 19 Nov 2019 16:51

Tgt Ion:	117	Resp:	38601
Ion	Ratio	Lower	Upper
117	100		
119	3.6	77.2	115.8#
121	0.0	25.5	38.3#

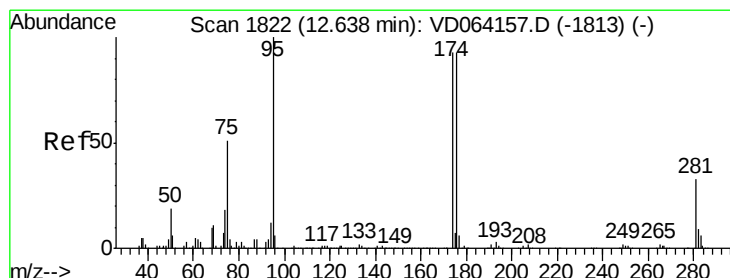
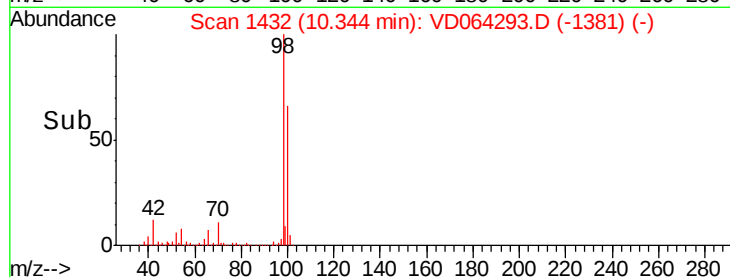
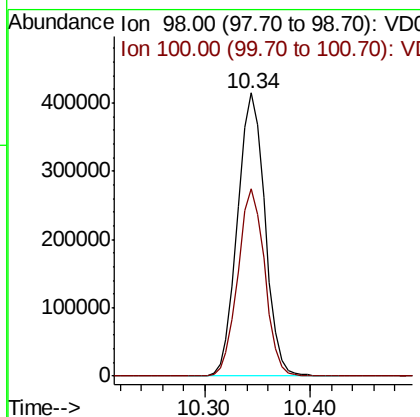
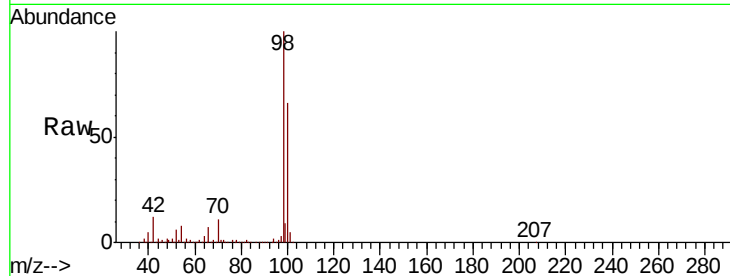




#50
Toluene-d8
Concen: 55.022 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064293.D
Acq: 19 Nov 2019 16:51

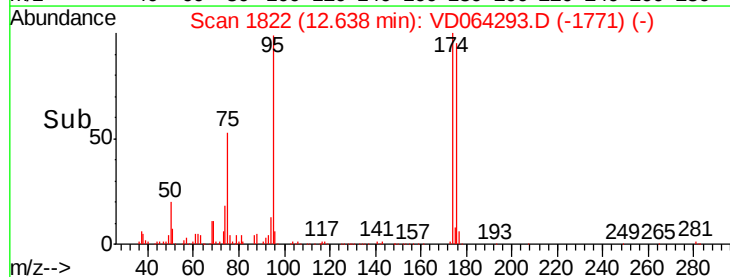
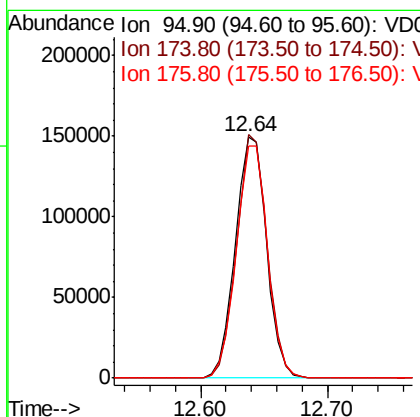
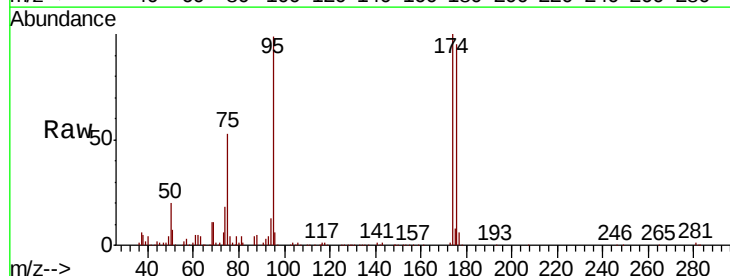
Instrument :
MSVOA_D
ClientSampleId :

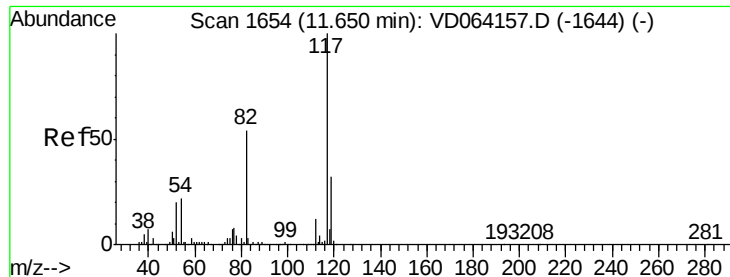
Tot Ion: 98 Resp: 745496
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 54.397 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064293.D
Acq: 19 Nov 2019 16:51

Tgt Ion: 95 Resp: 255234
Ion Ratio Lower Upper
95 100
174 97.9 0.0 183.6
176 96.3 0.0 180.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064293.D

Acq: 19 Nov 2019 16:51

Instrument :

MSVOA_D

ClientSampled :

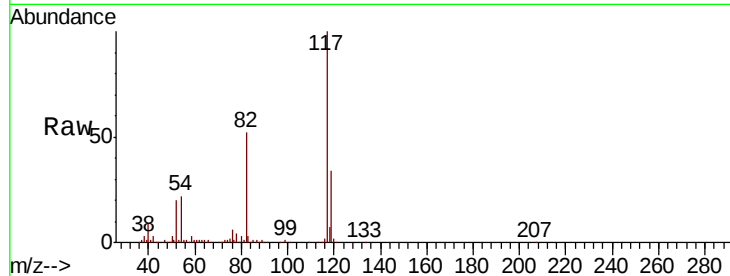
Tot Ion:117 Resp: 572573

Ion Ratio Lower Upper

117 100

82 51.7 42.8 64.2

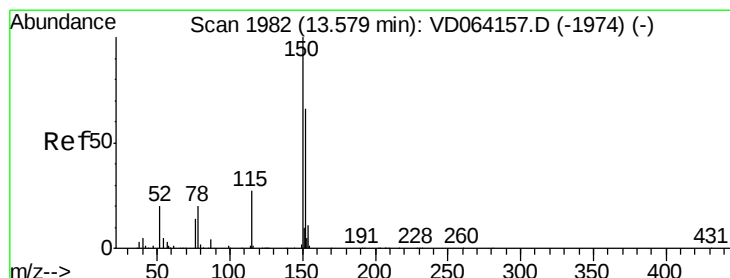
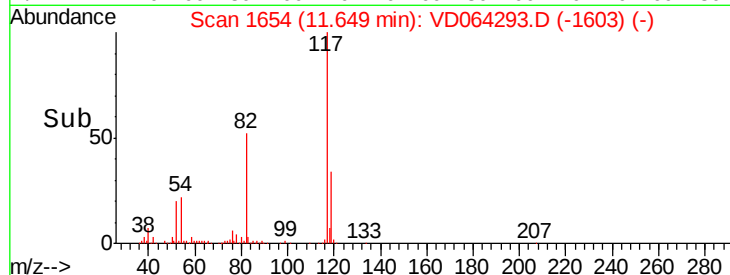
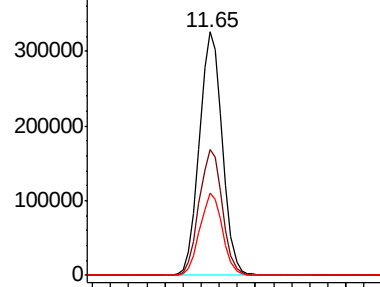
119 33.9 25.6 38.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064293.D

Acq: 19 Nov 2019 16:51

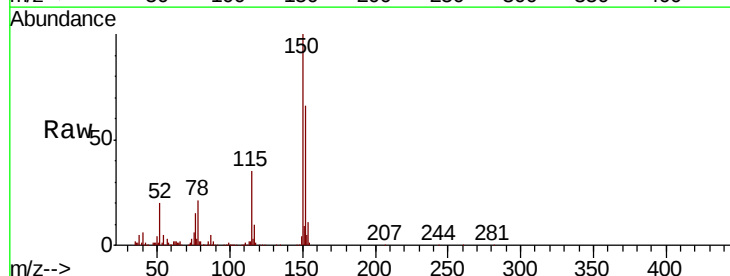
Tgt Ion:152 Resp: 295529

Ion Ratio Lower Upper

152 100

115 53.7 27.4 82.2

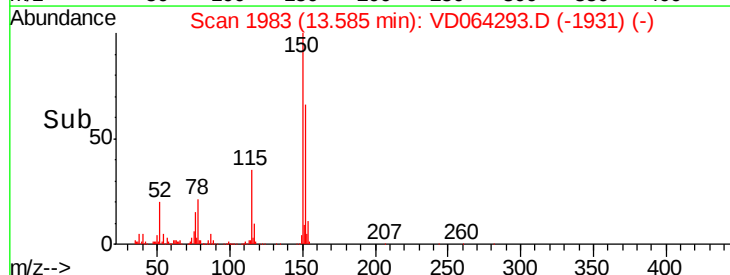
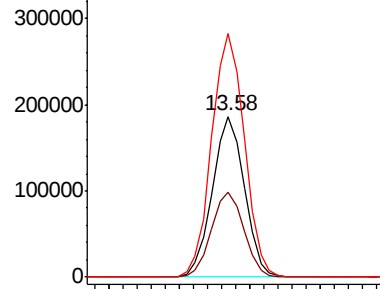
150 155.1 0.0 351.6

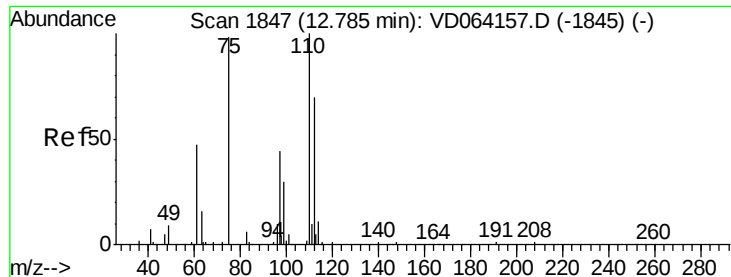


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 56.544 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064293.D

Acq: 19 Nov 2019 16:51

Instrument :

MSVOA_D

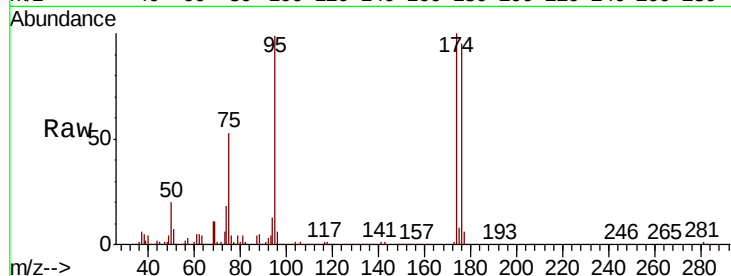
ClientSampleId :

Tot Ion: 75 Resp: 134596

Ion Ratio Lower Upper

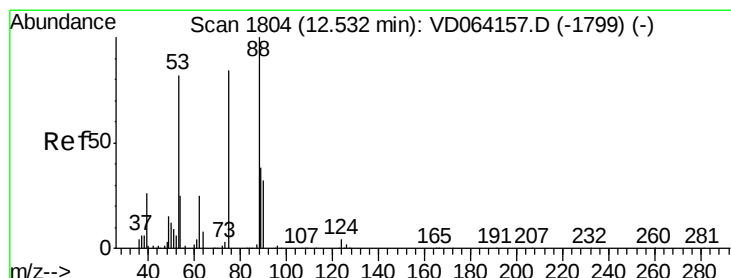
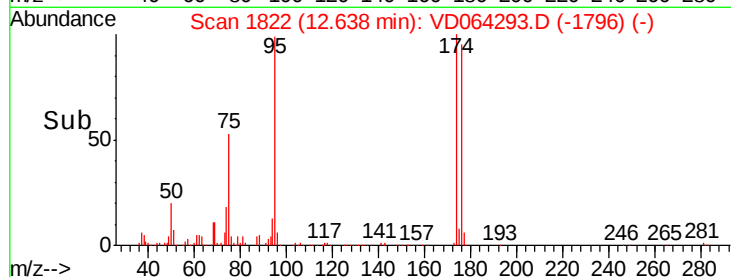
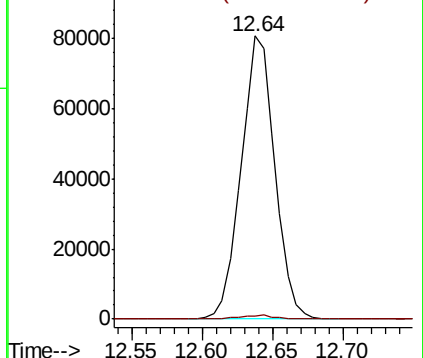
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 112.318 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064293.D

Acq: 19 Nov 2019 16:51

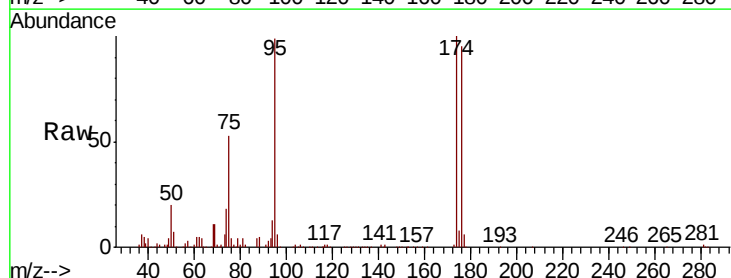
Tgt Ion: 75 Resp: 134596

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



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

