

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064618.D
 Acq On : 27 Dec 2019 01:34
 Operator : VA/SY
 Sample : K6438-11
 Misc : 5.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-BF008-01

Quant Time: Dec 27 05:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

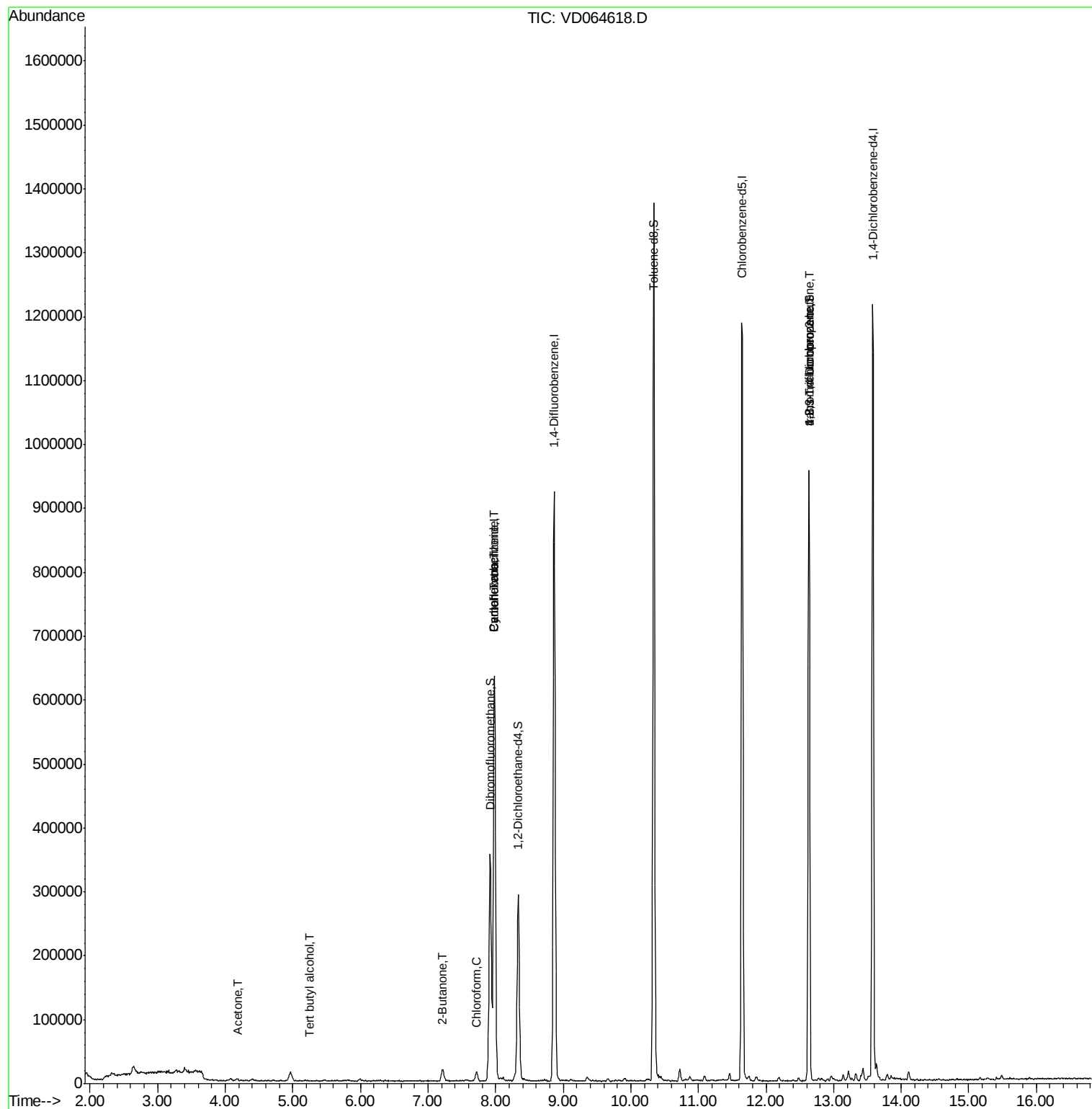
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	501090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	791307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	689741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	323340	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	229780	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
35) Dibromofluoromethane	7.92	113	240384	49.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.02%	
50) Toluene-d8	10.34	98	930993	50.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.64	95	286061	48.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.30%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.24	59	531	2.097	ug/l #	70
16) Acetone	4.17	43	4419	8.369	ug/l	92
20) Methylene Chloride	4.97	84	9858	Below Cal	#	80
25) 2-Butanone	7.22	43	1485	1.223	ug/l	96
30) Chloroform	7.71	83	13876	1.607	ug/l	100
31) Cyclohexane	7.98	56	12268	1.489	ug/l #	10
38) Carbon Tetrachloride	7.99	117	47383	5.834	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	153394	60.077	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	153394	125.649	ug/l #	10

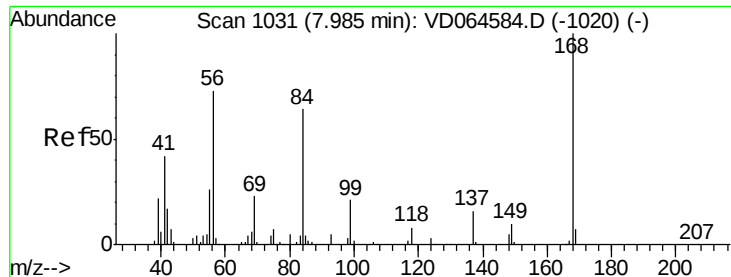
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA_D

ClientSampleId :

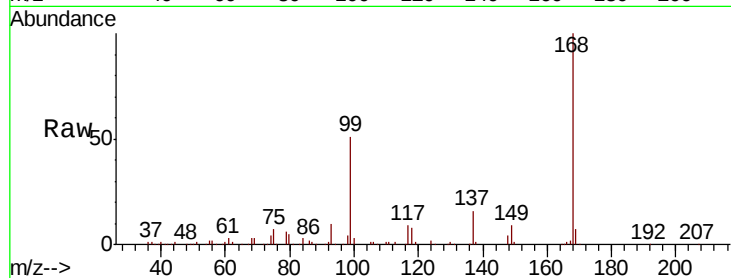
DUNR-BF008-01

Tot Ion:168 Resp: 501090

Ion Ratio Lower Upper

168 100

99 50.6 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

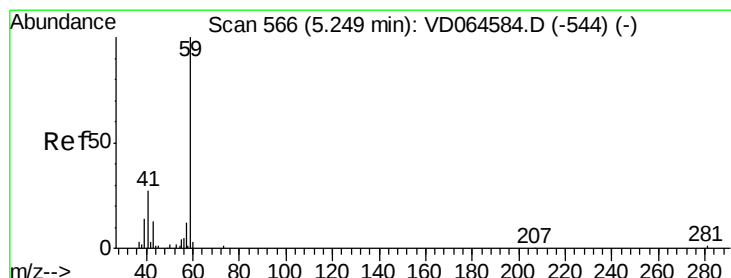
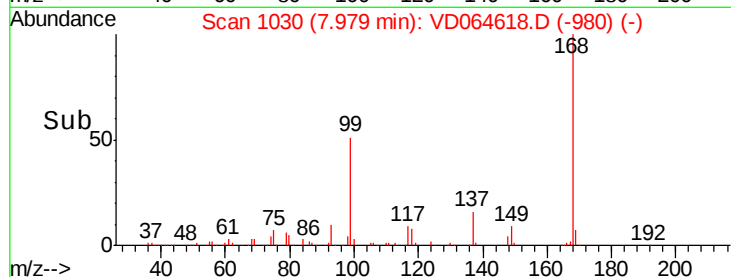
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.097 ug/l

RT: 5.24 min Scan# 565

Delta R.T. -0.01 min

Lab File: VD064618.D

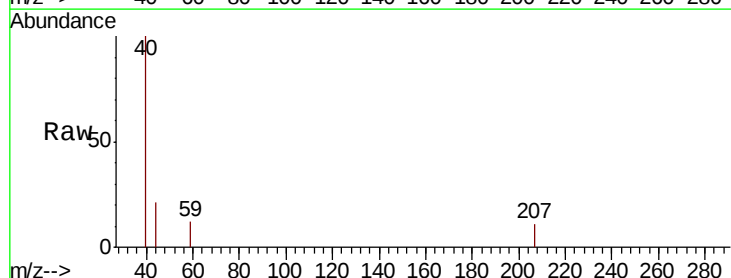
Acq: 27 Dec 2019 01:34

Tgt Ion: 59 Resp: 531

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

400

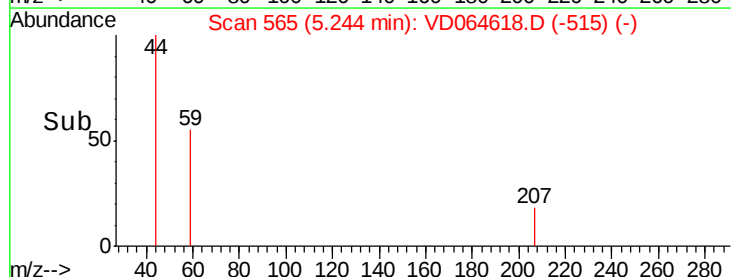
300

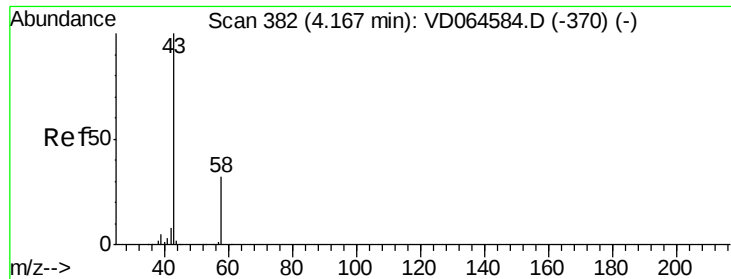
200

100

0

Time-->





#16

Acetone

Concen: 8.369 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA_D

ClientSampleId :

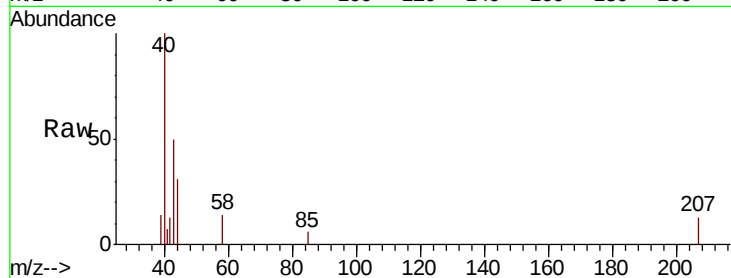
DUNR-BF008-01

Tot Ion: 43 Resp: 4419

Ion Ratio Lower Upper

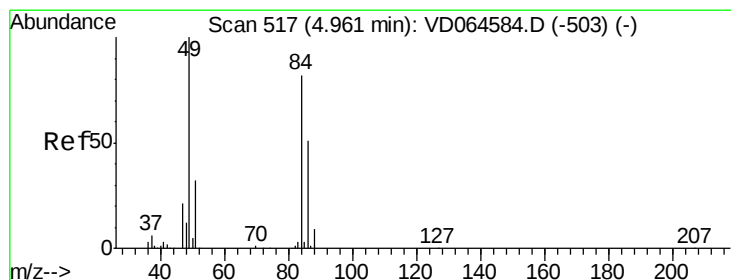
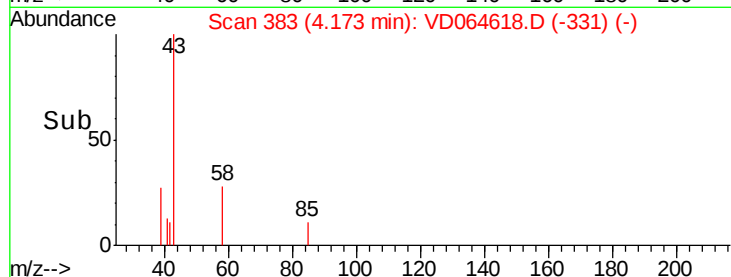
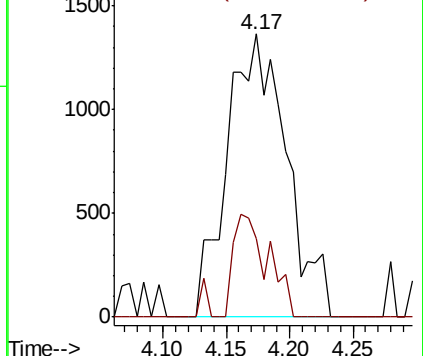
43 100

58 27.6 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Tgt Ion: 84 Resp: 9858

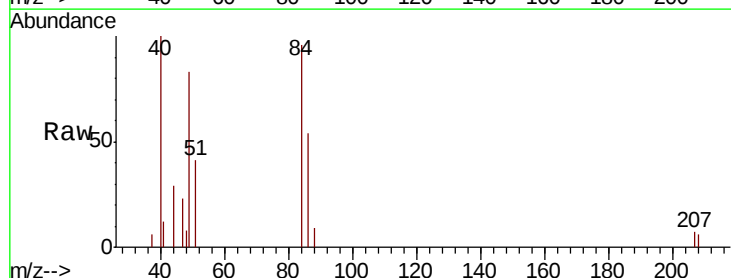
Ion Ratio Lower Upper

84 100

49 86.7 97.2 145.8#

51 43.0 31.4 47.0

86 55.7 49.3 73.9

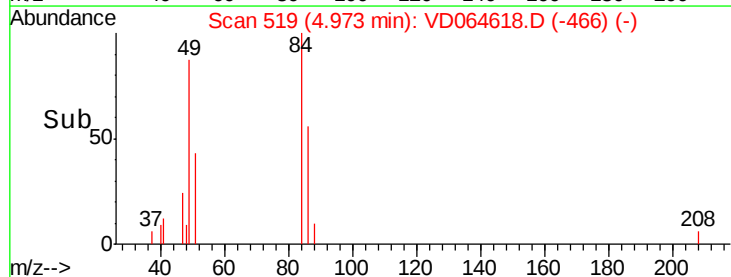
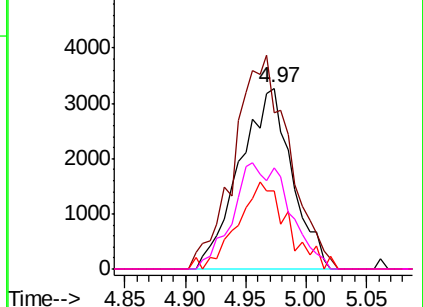


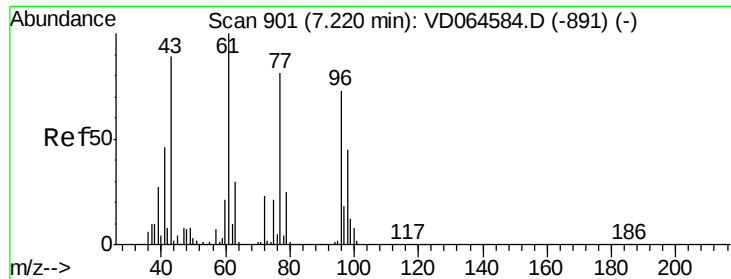
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 1.223 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

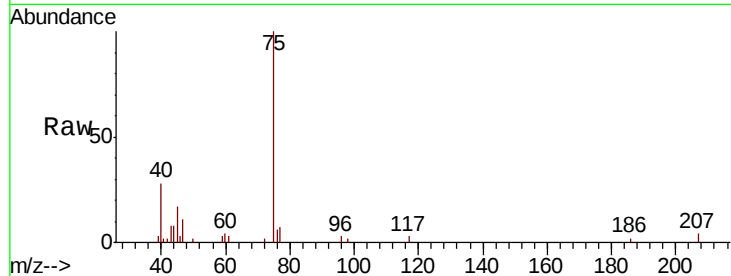
Instrument :
MSVOA_D
ClientSampleId :
DUNR-BF008-01

Tot Ion: 43 Resp: 1485

Ion Ratio Lower Upper

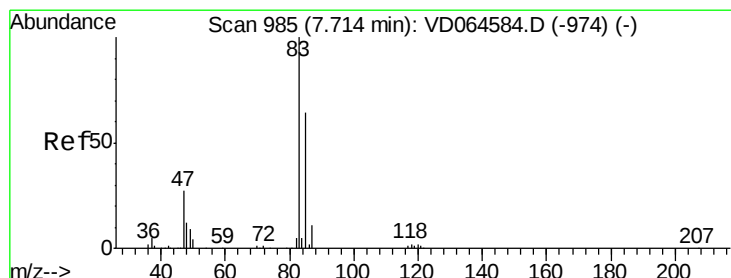
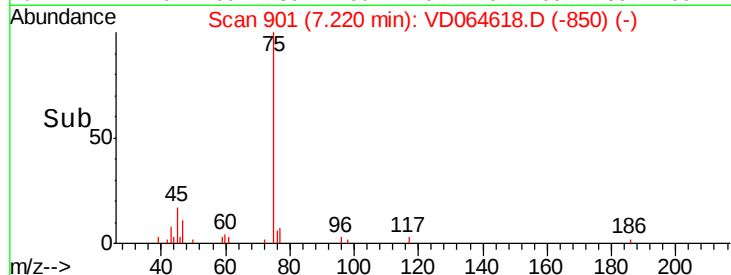
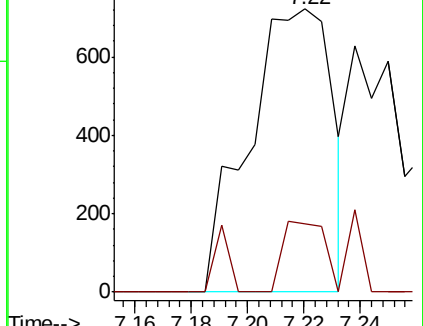
43 100

72 24.0 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#30

Chloroform

Concen: 1.607 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064618.D

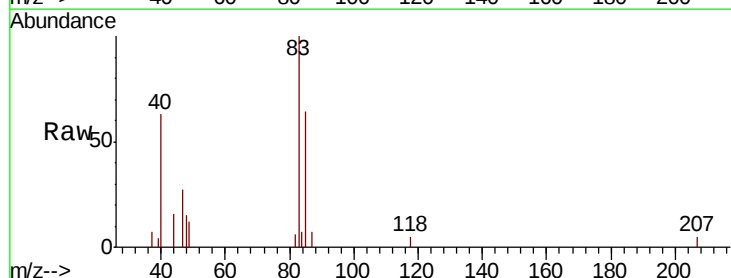
Acq: 27 Dec 2019 01:34

Tgt Ion: 83 Resp: 13876

Ion Ratio Lower Upper

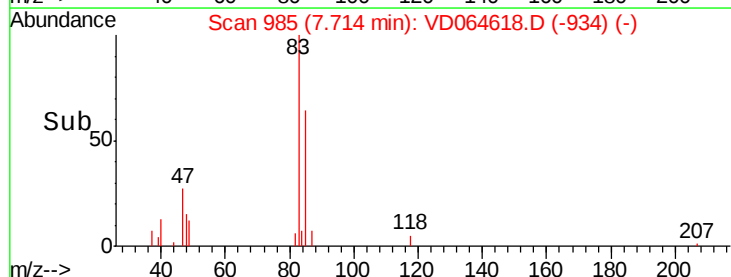
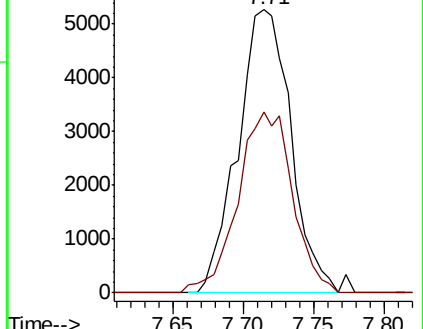
83 100

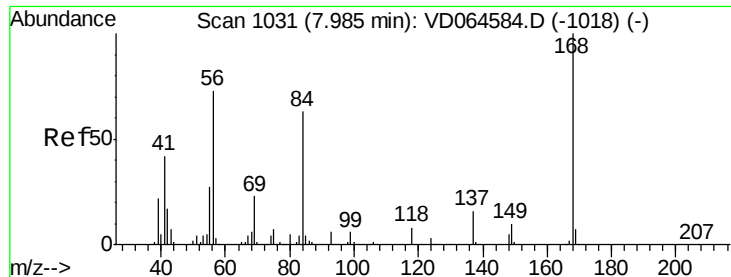
85 64.1 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

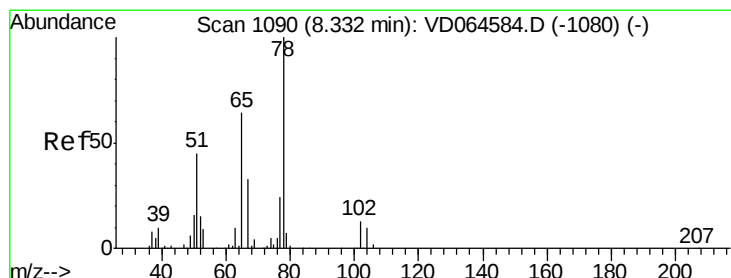
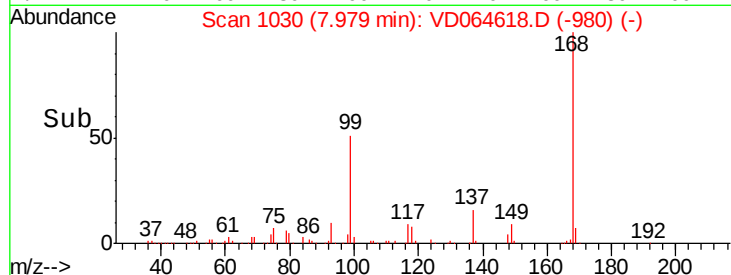
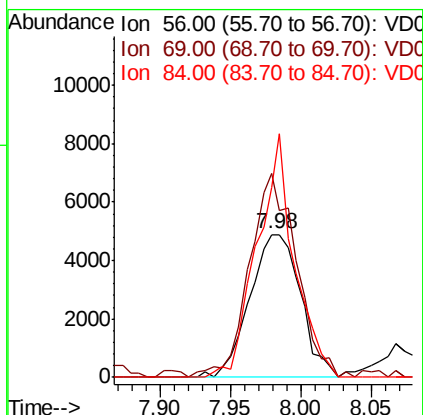
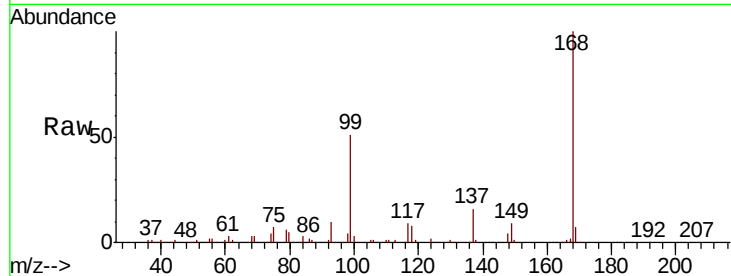




#31
Cyclohexane
Concen: 1.489 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064618.D
Acq: 27 Dec 2019 01:34

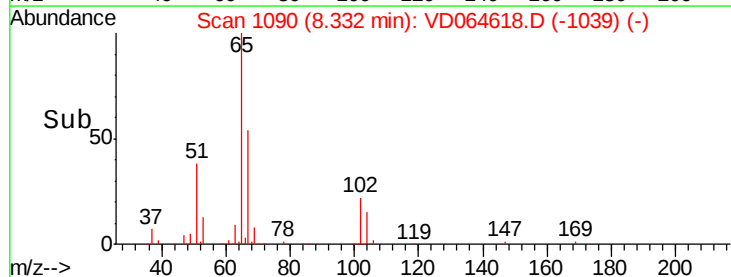
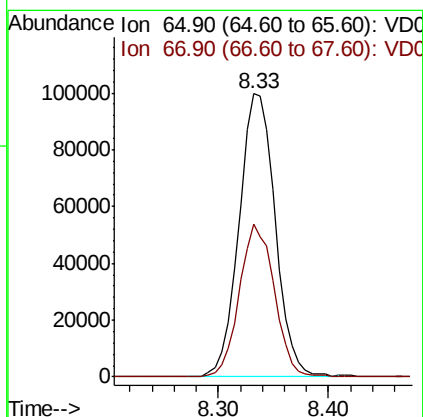
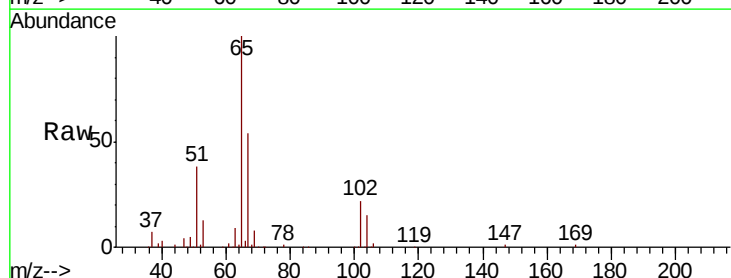
Instrument :
MSVOA_D
ClientSampleId :
DUNR-BF008-01

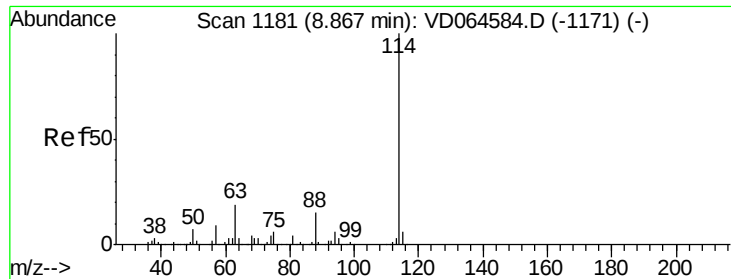
Tot Ion: 56 Resp: 12268
Ion Ratio Lower Upper
56 100
69 142.9 24.7 37.1#
84 132.6 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 52.003 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD064618.D
Acq: 27 Dec 2019 01:34

Tgt Ion: 65 Resp: 229780
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.2

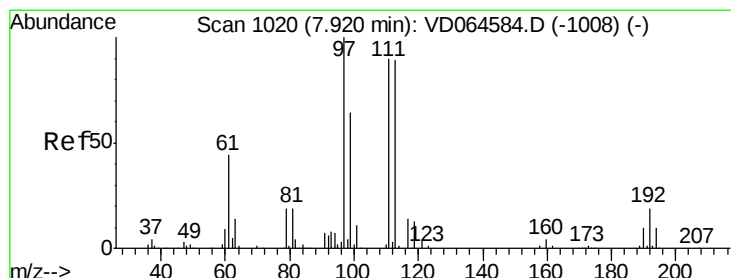
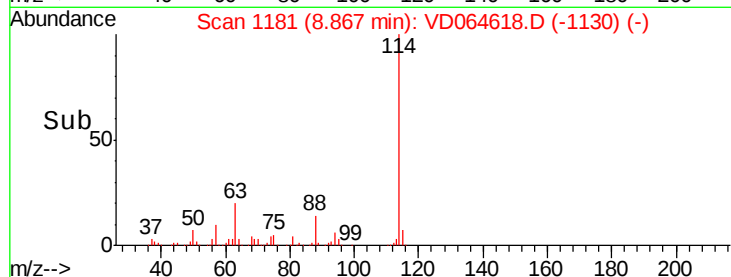
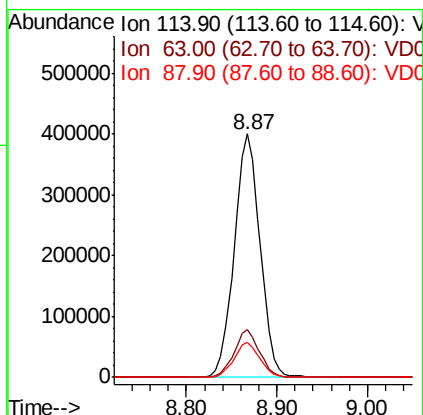
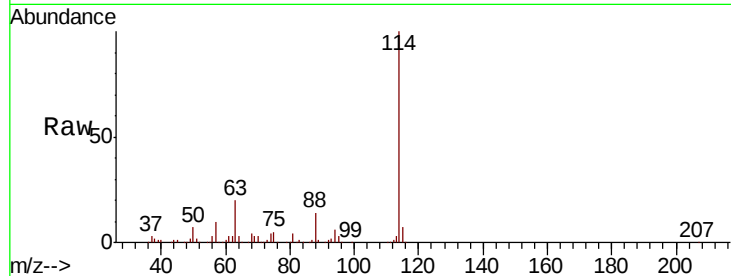




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064618.D
 Acq: 27 Dec 2019 01:34

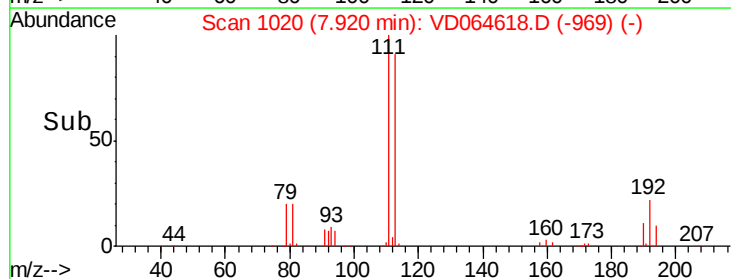
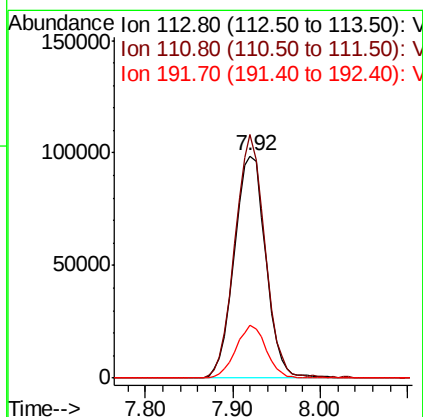
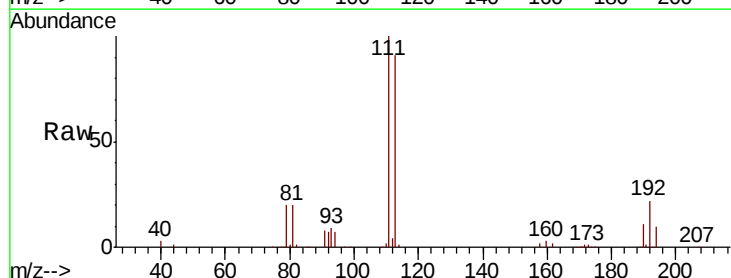
Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-BF008-01

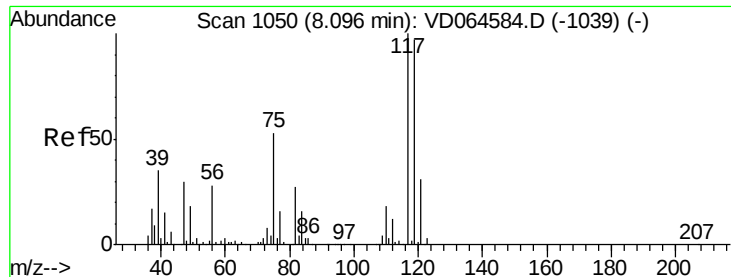
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	38.0
88	14.5	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 49.515 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064618.D
 Acq: 27 Dec 2019 01:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.6	121.0
192	22.8	17.9	26.9





#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA_D

ClientSampleId :

DUNR-BF008-01

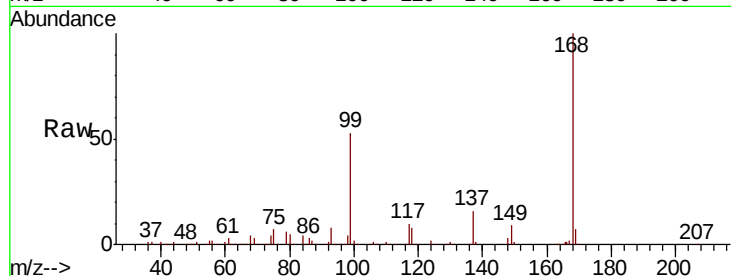
Tot Ion:117 Resp: 47383

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

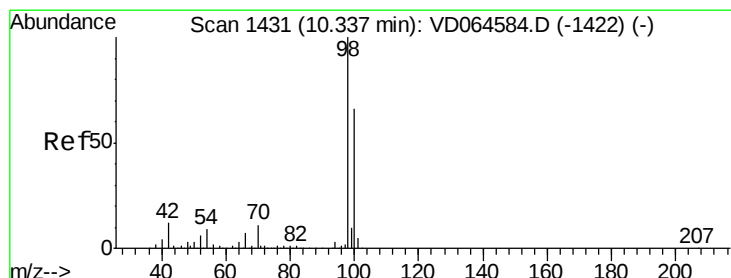
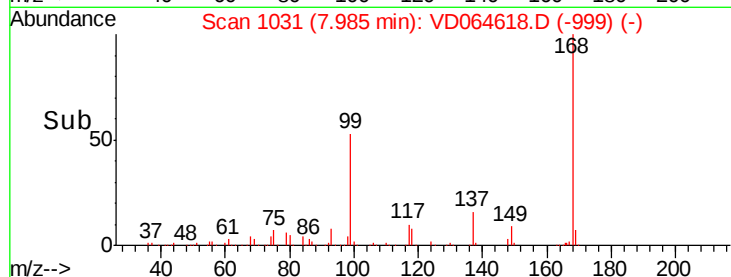
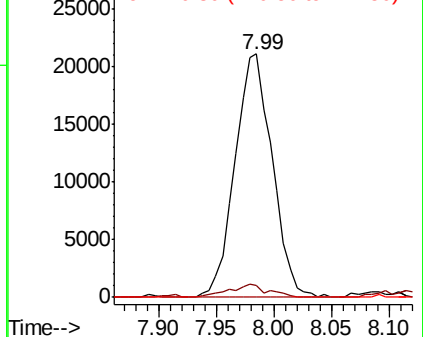
121 0.0 25.0 37.6#



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: 50.071 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD064618.D

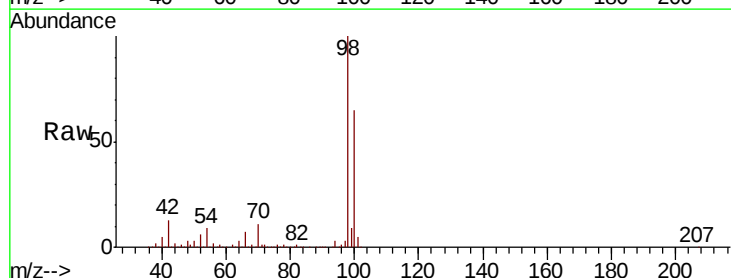
Acq: 27 Dec 2019 01:34

Tgt Ion: 98 Resp: 930993

Ion Ratio Lower Upper

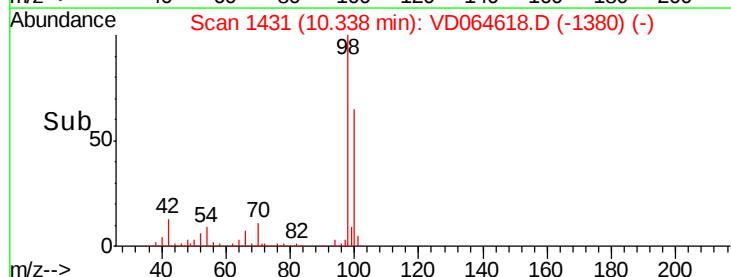
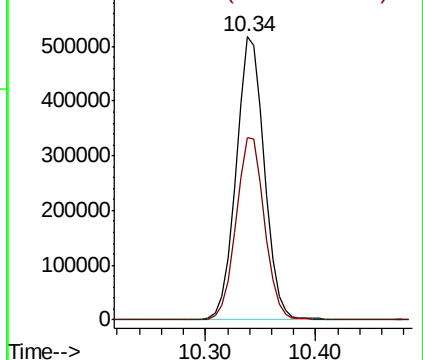
98 100

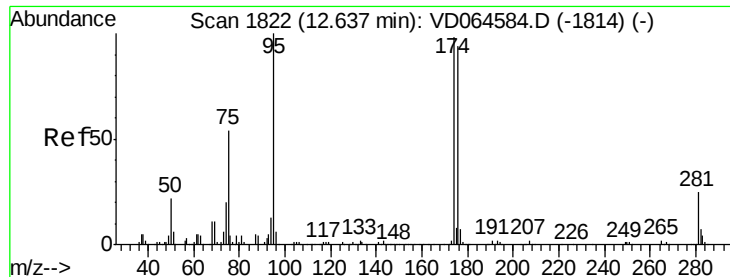
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 48.655 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA_D

ClientSampleId :

DUNR-BF008-01

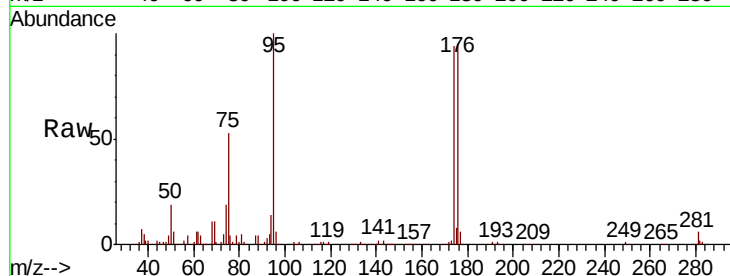
Tot Ion: 95 Resp: 286061

Ion Ratio Lower Upper

95 100

174 94.1 0.0 193.2

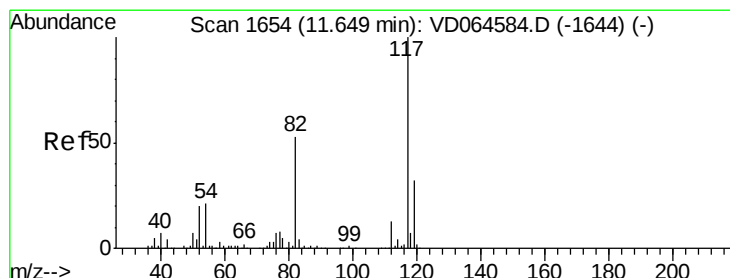
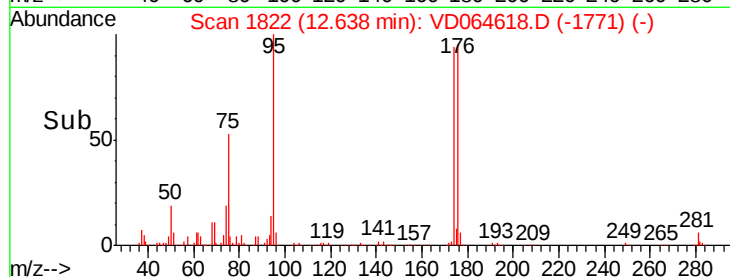
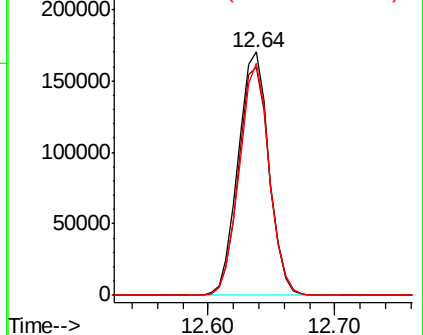
176 92.4 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

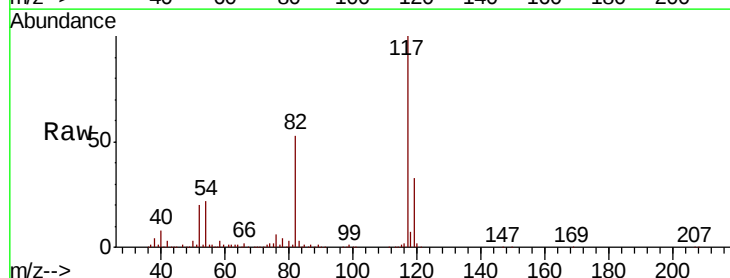
Tgt Ion: 117 Resp: 689741

Ion Ratio Lower Upper

117 100

82 52.7 42.2 63.4

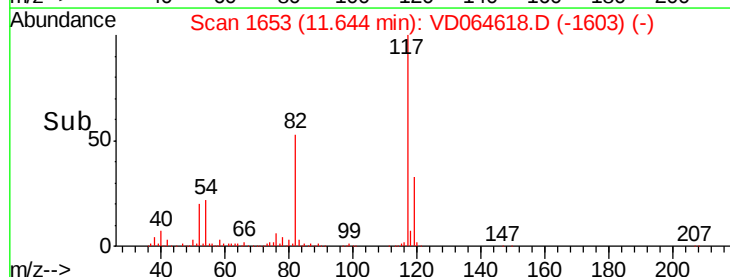
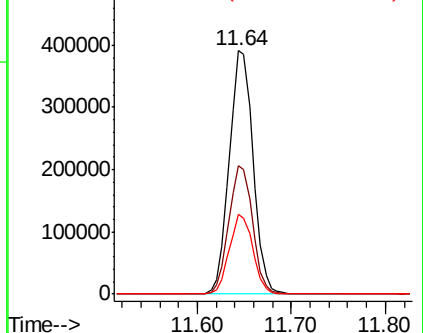
119 32.7 26.0 39.0

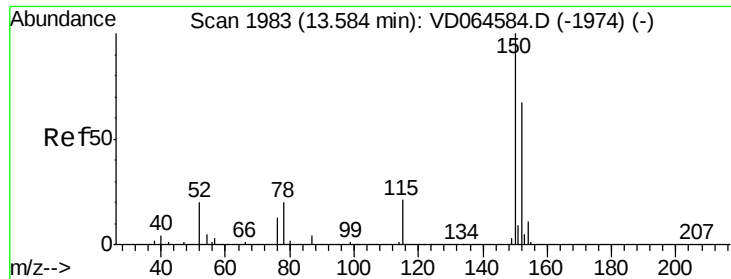


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA_D

ClientSampleId :

DUNR-BF008-01

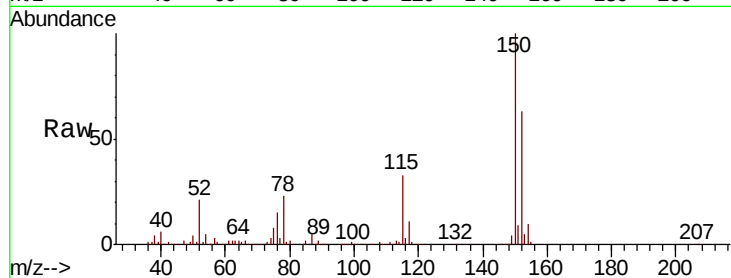
Tot Ion:152 Resp: 323340

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

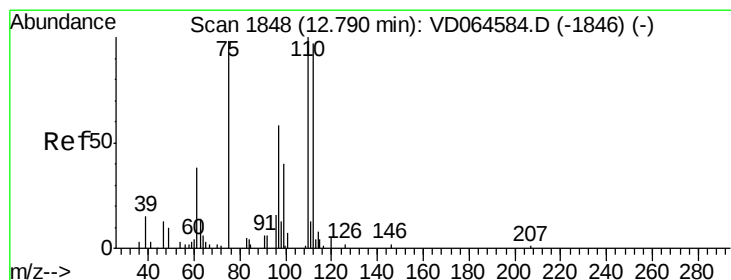
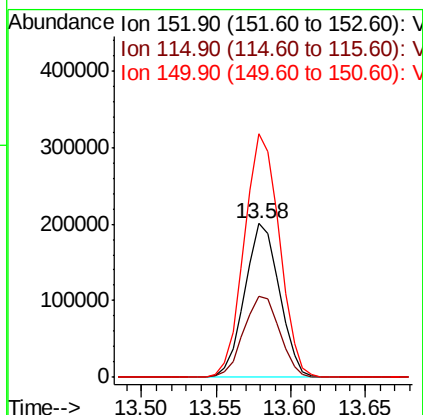
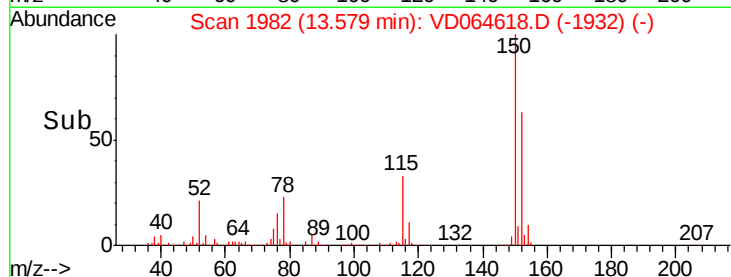
150 160.0 0.0 351.4



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: 60.077 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064618.D

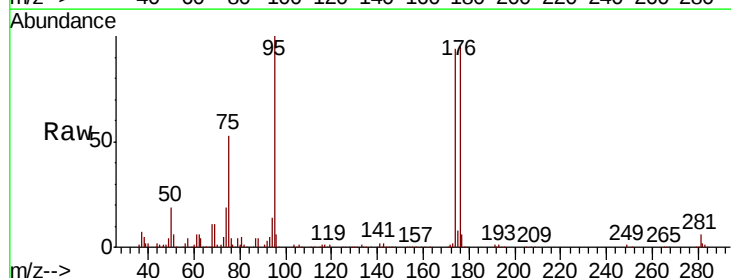
Acq: 27 Dec 2019 01:34

Tgt Ion: 75 Resp: 153394

Ion Ratio Lower Upper

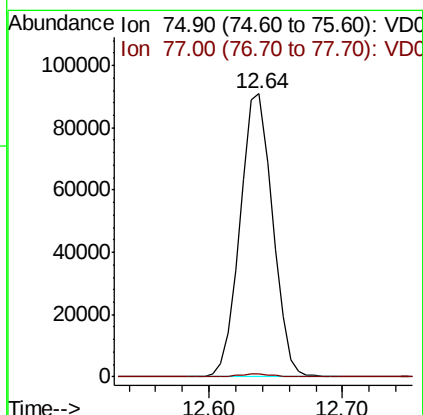
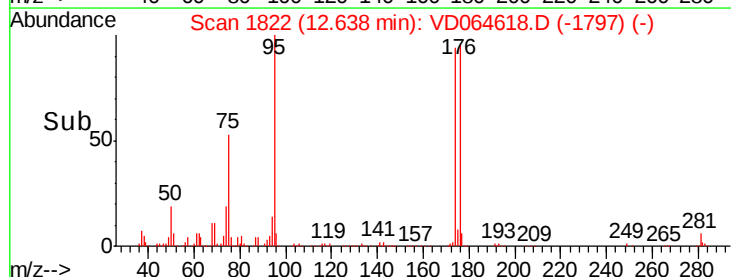
75 100

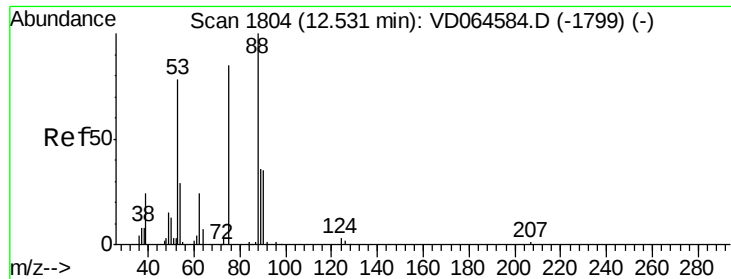
77 1.2 0.0 0.0#



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: 125.649 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064618.D

Acq: 27 Dec 2019 01:34

Instrument :

MSVOA_D

ClientSampleId :

DUNR-BF008-01

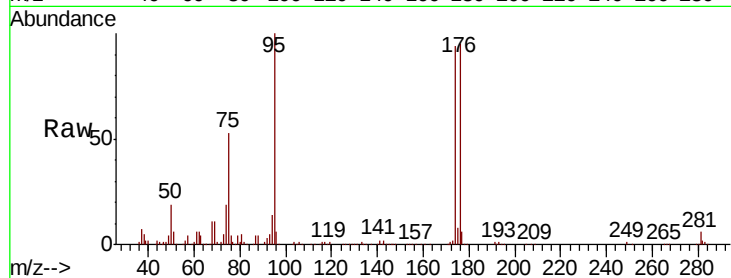
Tot Ion: 75 Resp: 153394

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.1 38.3 57.5#



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

