

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122619\
 Data File : VD064614.D
 Acq On : 26 Dec 2019 23:41
 Operator : VA/SY
 Sample : VD1226SBL02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 27 05:01:03 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

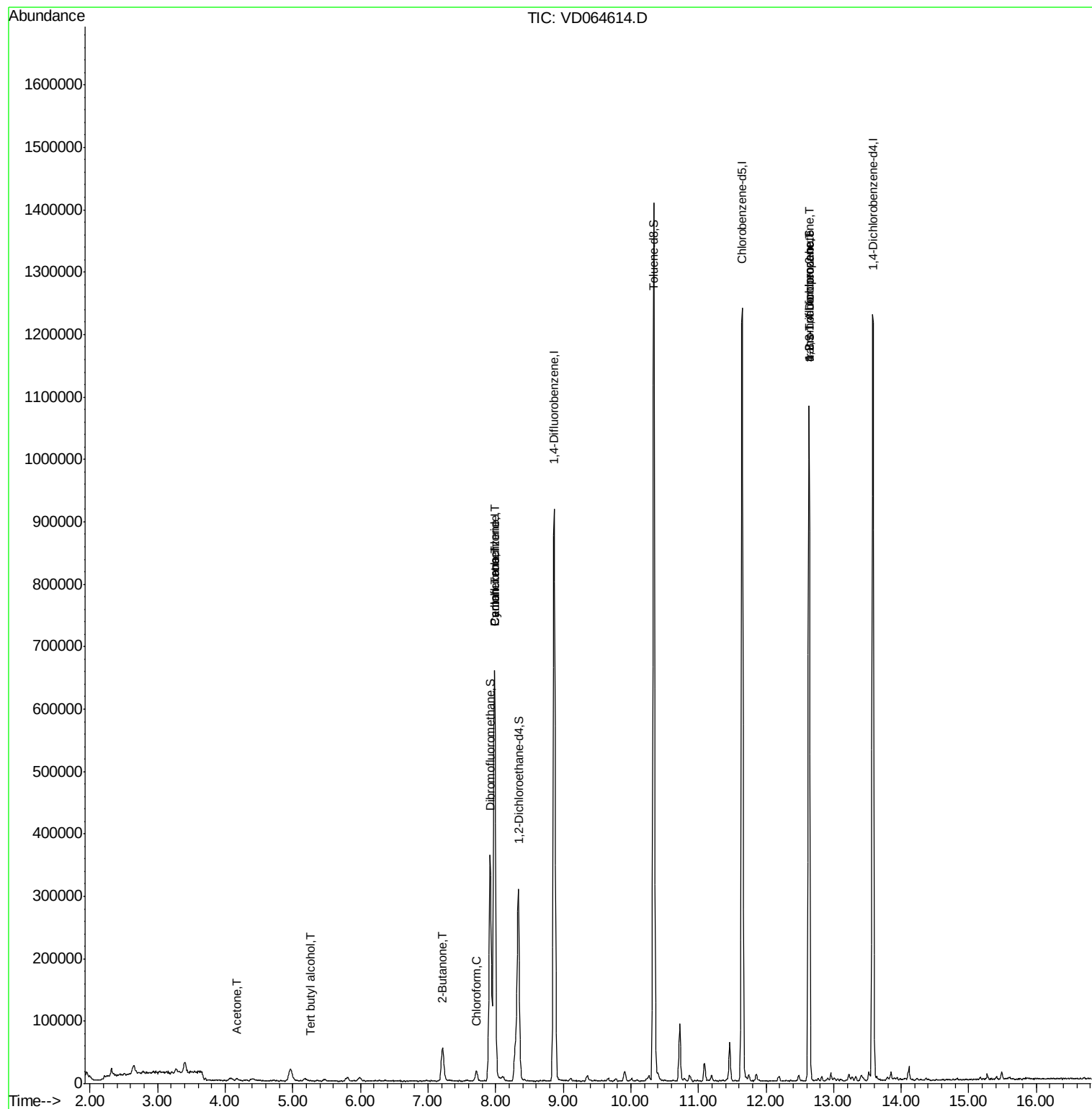
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	515028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	800288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	720431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	341172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	240613	52.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.96%	
35) Dibromofluoromethane	7.92	113	248084	50.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.06%	
50) Toluene-d8	10.34	98	960438	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.64	95	298967	50.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.56%	
Target Compounds				Qvalue		
11) Tert butyl alcohol	5.27	59	324	1.245	ug/l #	70
16) Acetone	4.17	43	4577	8.402	ug/l #	84
20) Methylene Chloride	4.97	84	14378	Below Cal	#	91
25) 2-Butanone	7.21	43	4277	3.426	ug/l #	85
30) Chloroform	7.71	83	14697	1.656	ug/l	94
31) Cyclohexane	7.98	56	13682	1.616	ug/l #	47
38) Carbon Tetrachloride	7.98	117	48231	5.872	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	162593	60.351	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162593	126.223	ug/l #	10

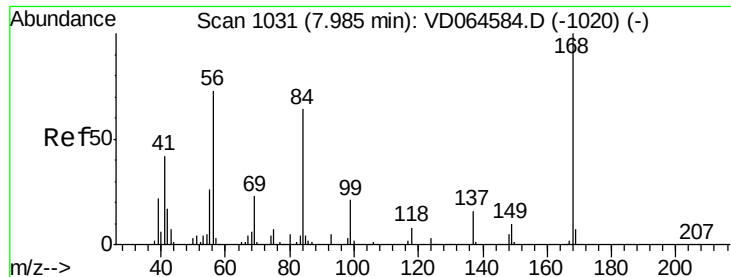
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064614.D

Acq: 26 Dec 2019 23:41

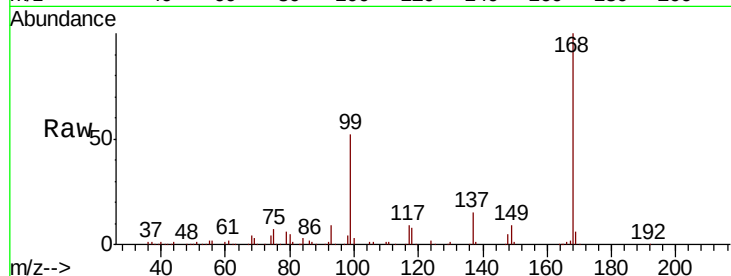
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 515028

Ion Ratio Lower Upper

168 100

99 52.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

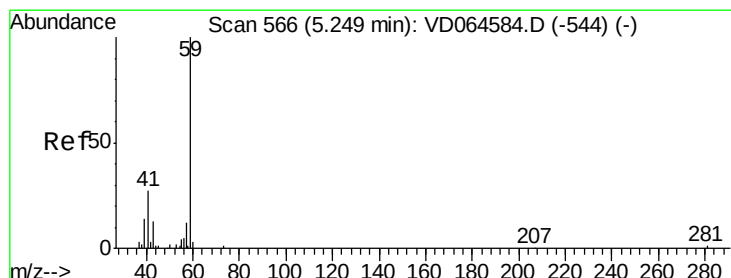
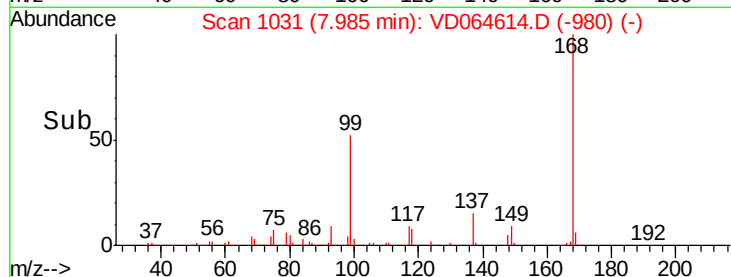
100000

50000

0

Time-->

7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.245 ug/l

RT: 5.27 min Scan# 569

Delta R.T. 0.02 min

Lab File: VD064614.D

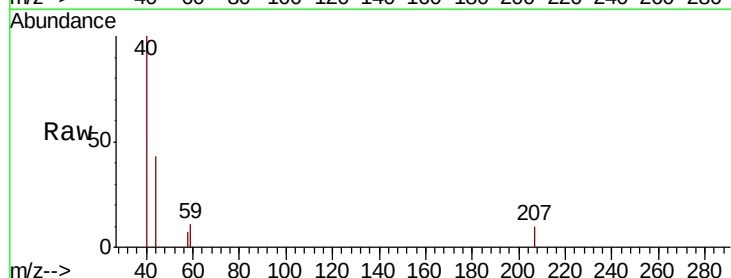
Acq: 26 Dec 2019 23:41

Tgt Ion: 59 Resp: 324

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

400

300

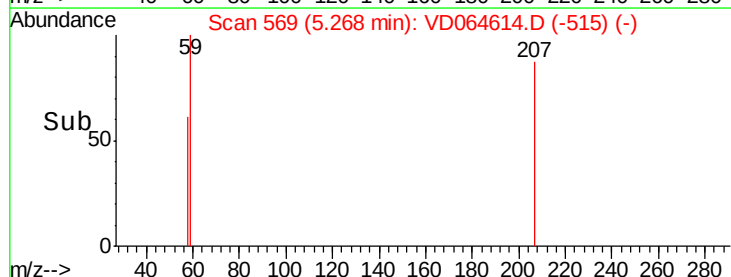
200

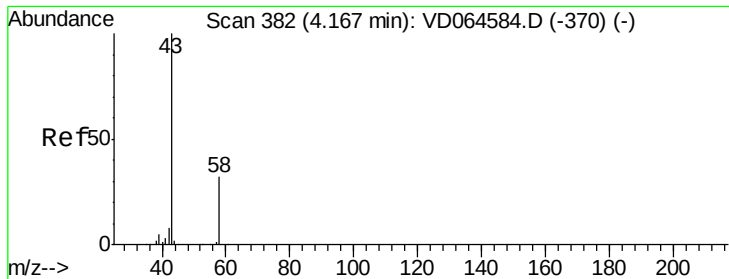
100

0

Time-->

5.24 5.26 5.28





#16

Acetone

Concen: 8.402 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064614.D

Acq: 26 Dec 2019 23:41

Instrument :

MSVOA_D

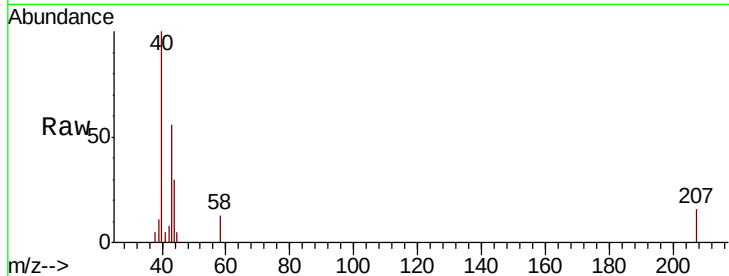
ClientSampleId :

Tot Ion: 43 Resp: 4577

Ion Ratio Lower Upper

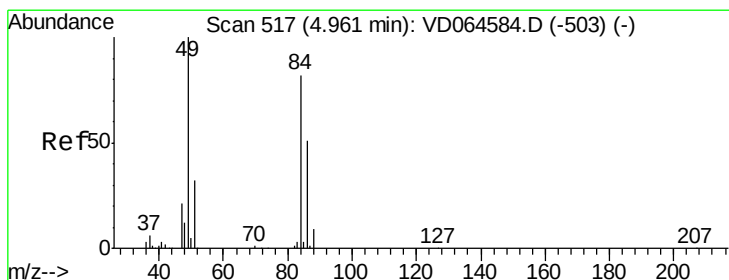
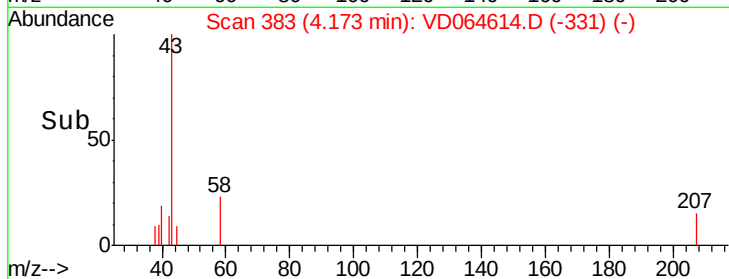
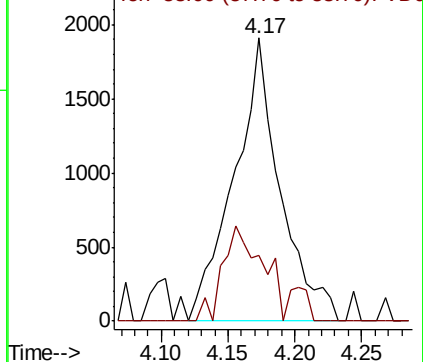
43 100

58 23.5 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# 518

Delta R.T. 0.01 min

Lab File: VD064614.D

Acq: 26 Dec 2019 23:41

Tgt Ion: 84 Resp: 14378

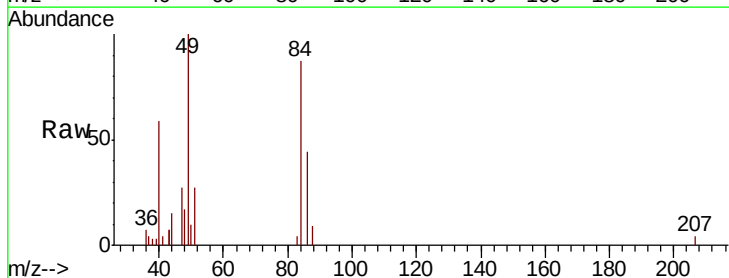
Ion Ratio Lower Upper

84 100

49 115.6 97.2 145.8

51 31.1 31.4 47.0#

86 51.1 49.3 73.9

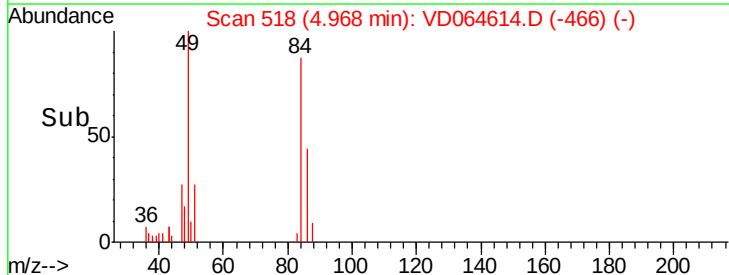
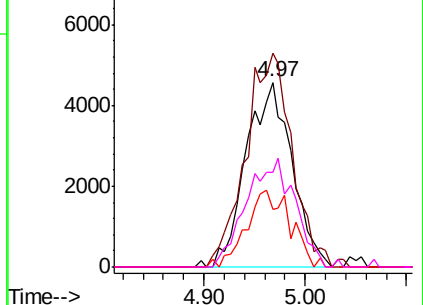


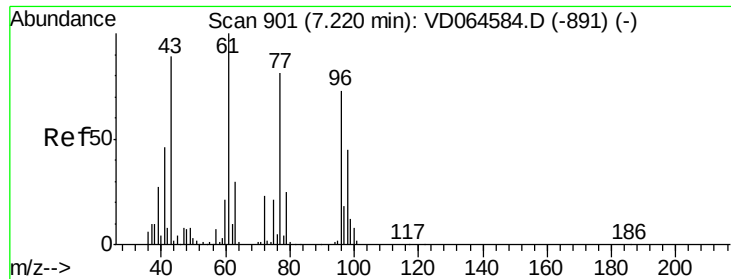
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 3.426 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064614.D

Acq: 26 Dec 2019 23:41

Instrument :

MSVOA_D

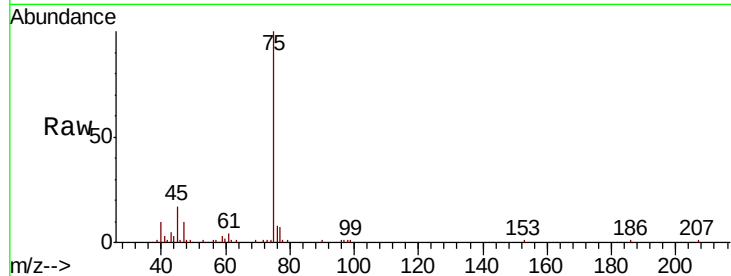
ClientSampleId :

Tot Ion: 43 Resp: 4277

Ion Ratio Lower Upper

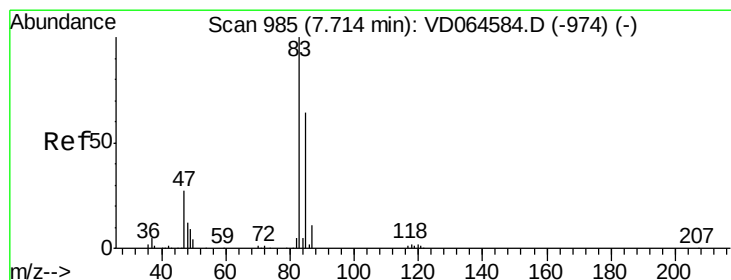
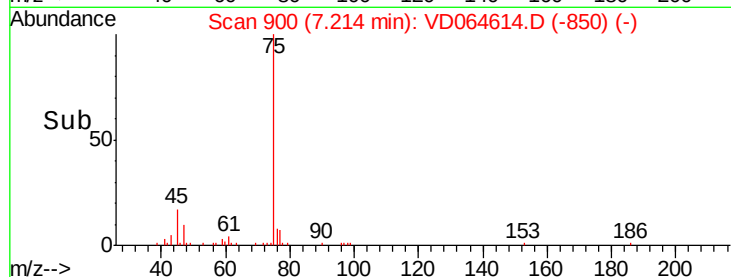
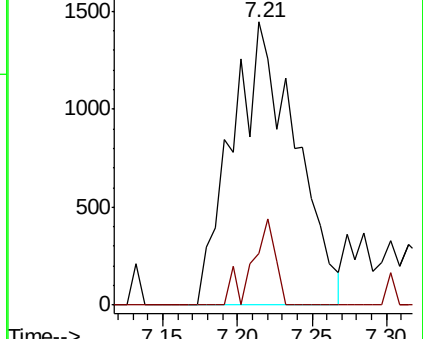
43 100

72 18.4 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: 1.656 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD064614.D

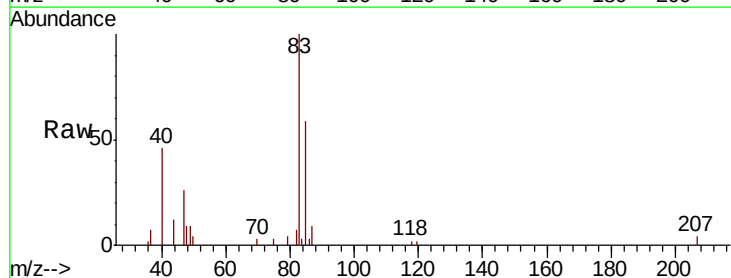
Acq: 26 Dec 2019 23:41

Tgt Ion: 83 Resp: 14697

Ion Ratio Lower Upper

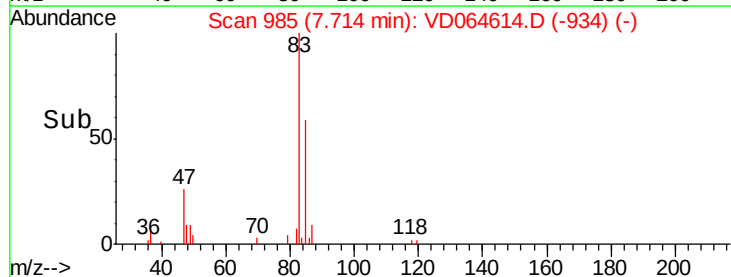
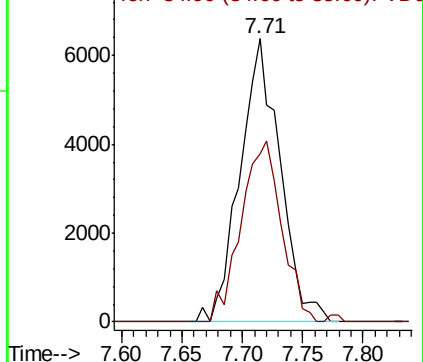
83 100

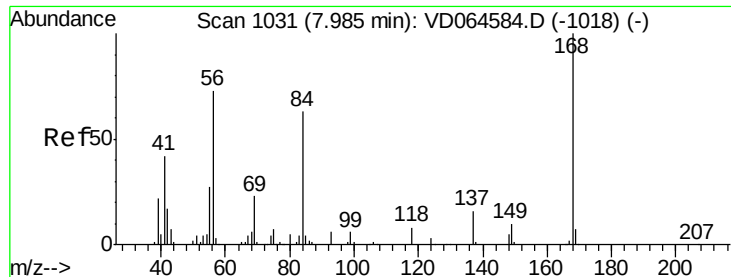
85 59.3 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

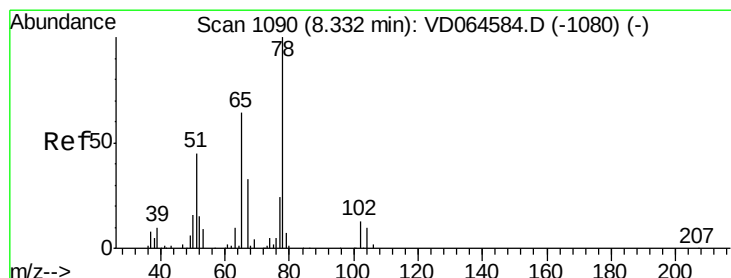
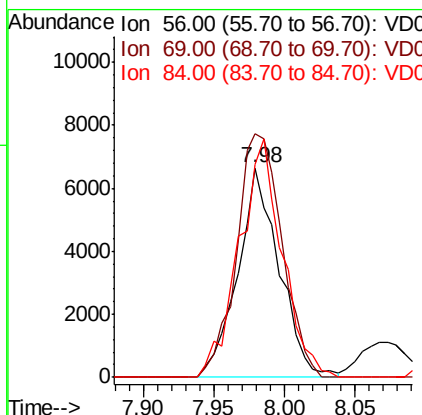
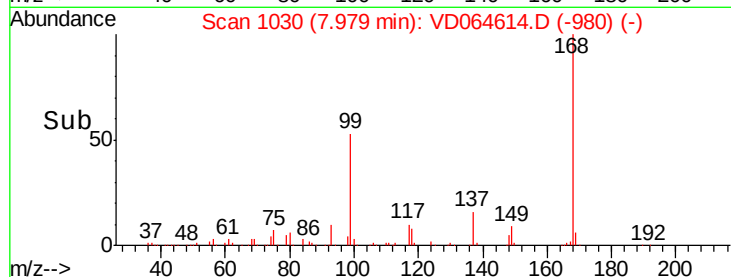
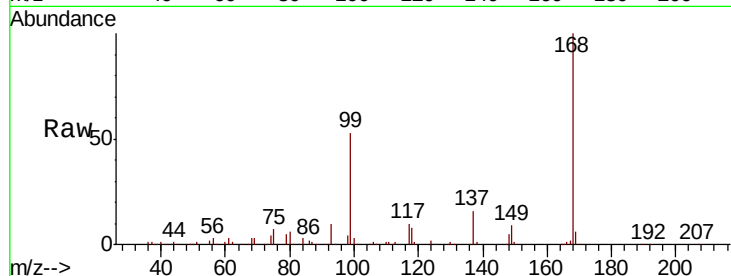




#31
Cyclohexane
Concen: 1.616 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064614.D
Acq: 26 Dec 2019 23:41

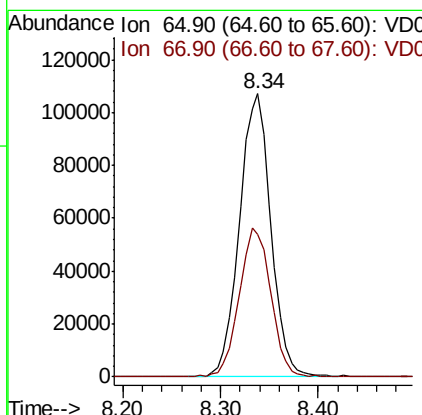
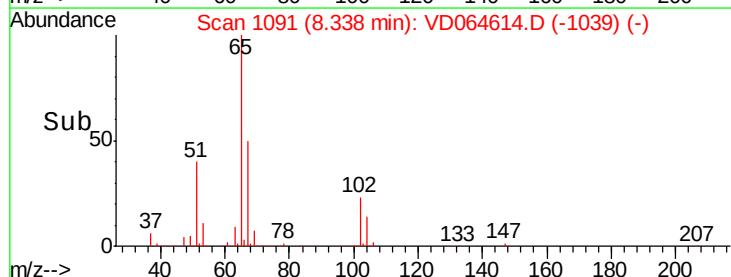
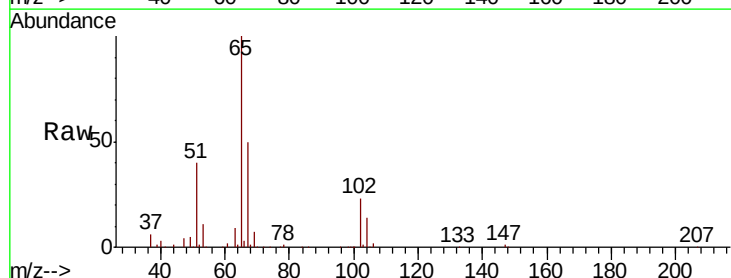
Instrument :
MSVOA_D
ClientSampleId :

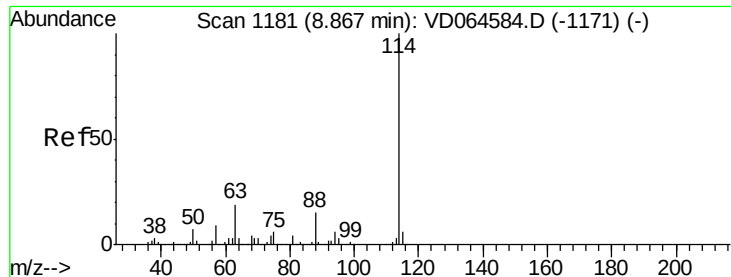
Tot Ion: 56 Resp: 13682
Ion Ratio Lower Upper
56 100
69 116.3 24.7 37.1#
84 101.9 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 52.981 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD064614.D
Acq: 26 Dec 2019 23:41

Tgt Ion: 65 Resp: 240613
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.2

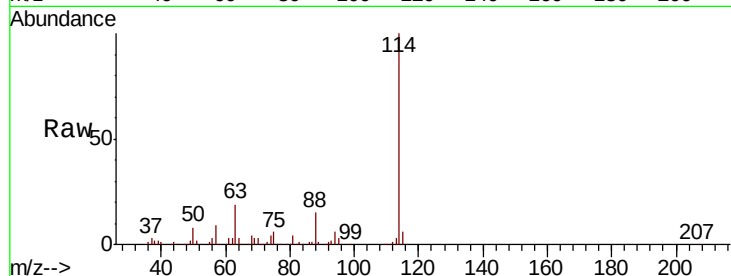




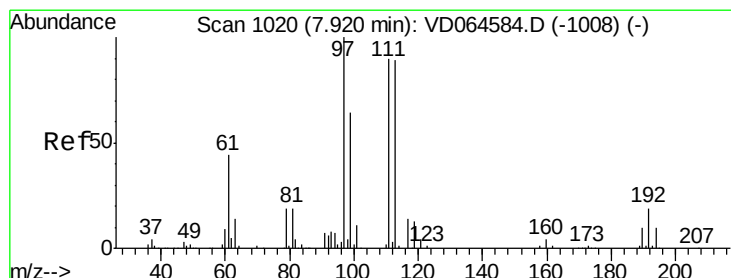
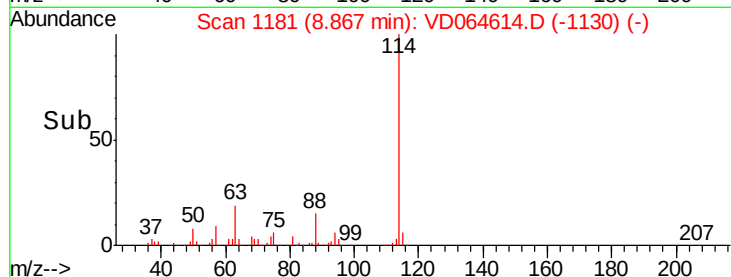
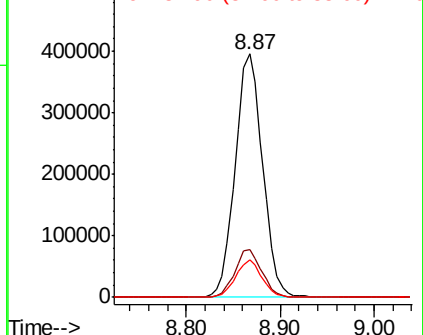
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064614.D
 Acq: 26 Dec 2019 23:41

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.0
88	15.2	0.0	29.2

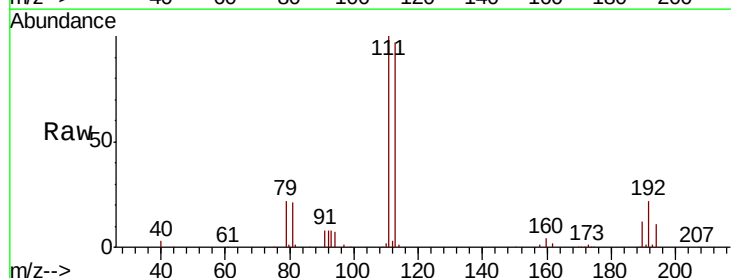


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

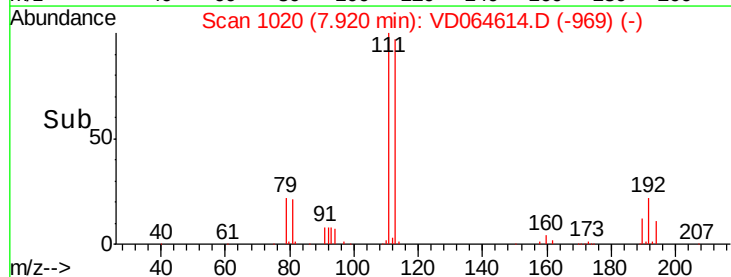
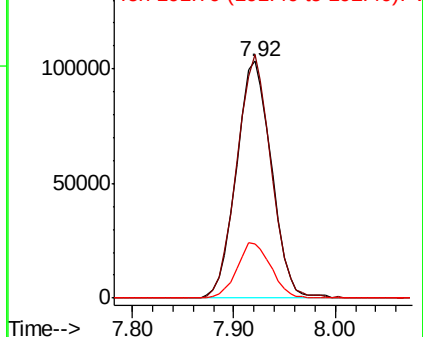


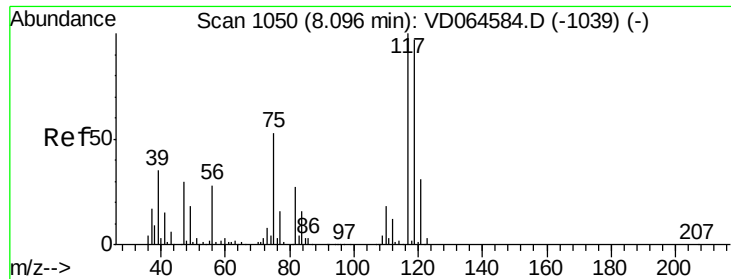
#35
 Dibromofluoromethane
 Concen: 50.527 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064614.D
 Acq: 26 Dec 2019 23:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.6	121.0
192	22.8	17.9	26.9



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

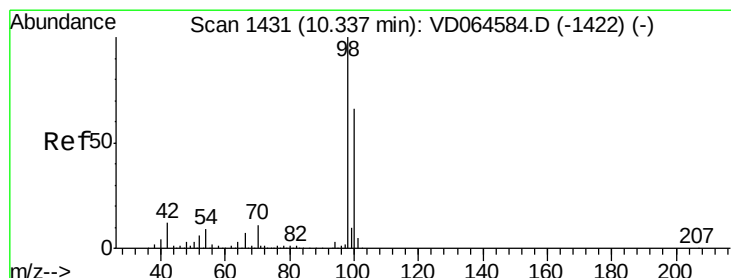
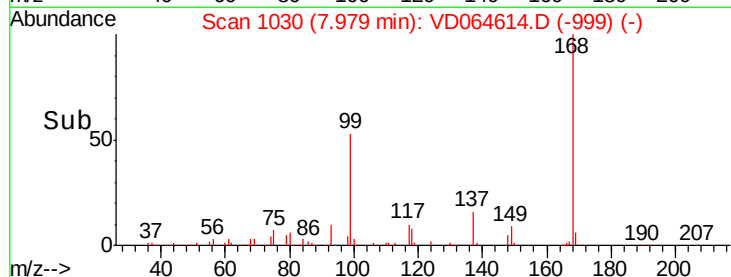
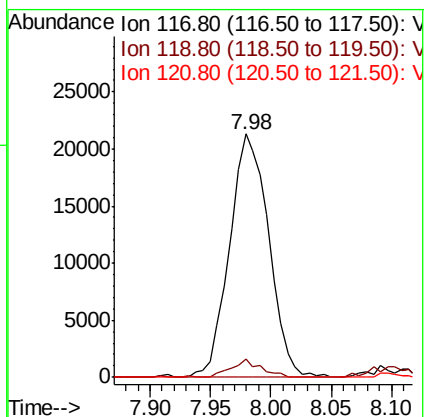
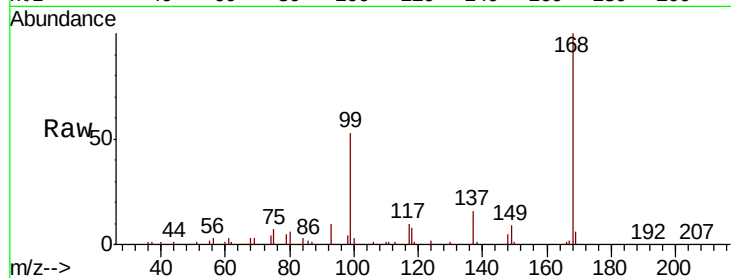




#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064614.D
Acq: 26 Dec 2019 23:41

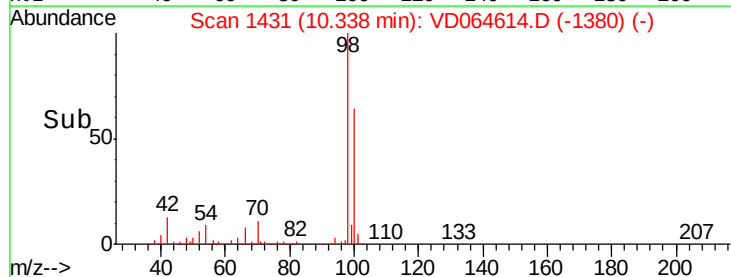
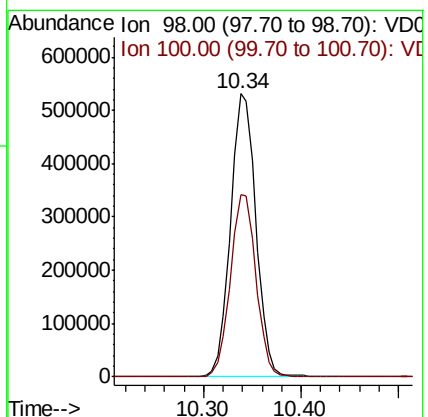
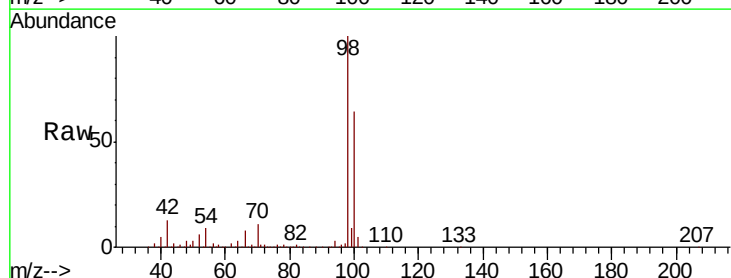
Instrument :
MSVOA_D
ClientSampleId :

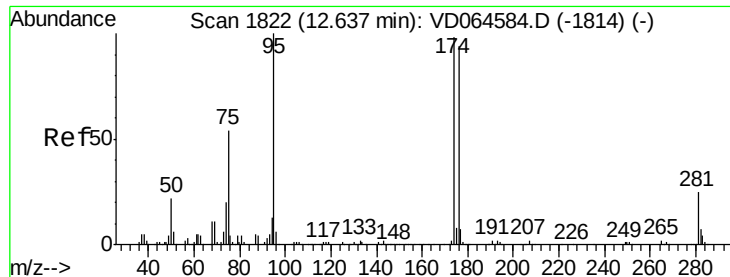
Tot Ion:117 Resp: 48231
Ion Ratio Lower Upper
117 100
119 7.6 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.075 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064614.D
Acq: 26 Dec 2019 23:41

Tgt Ion: 98 Resp: 960438
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5

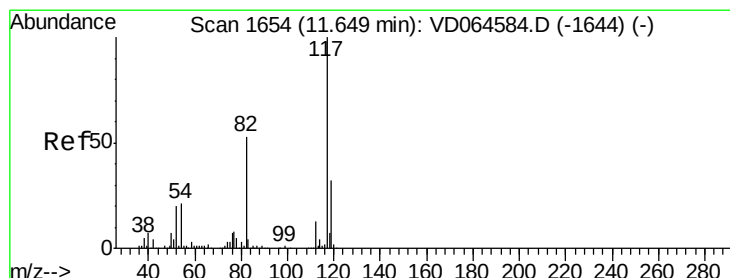
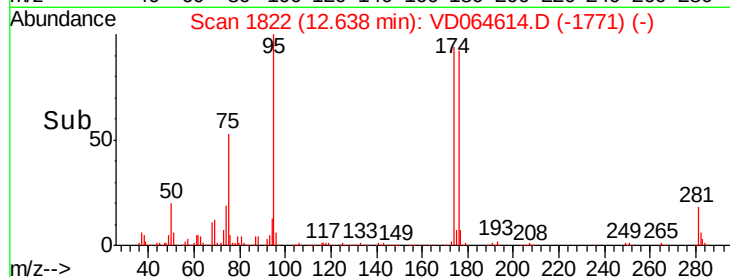
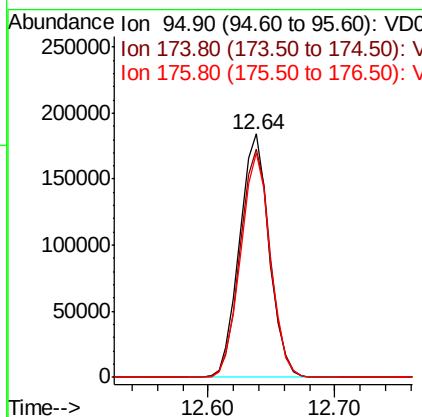
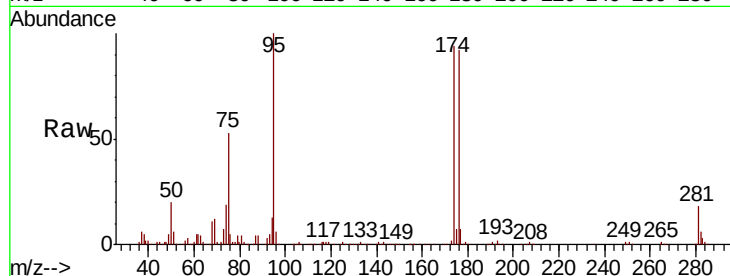




#62
4-Bromofluorobenzene
Concen: 50.279 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064614.D
Acq: 26 Dec 2019 23:41

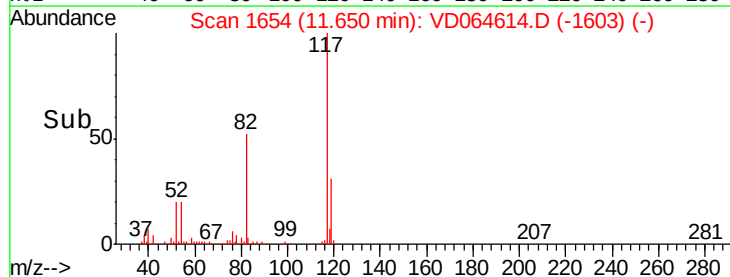
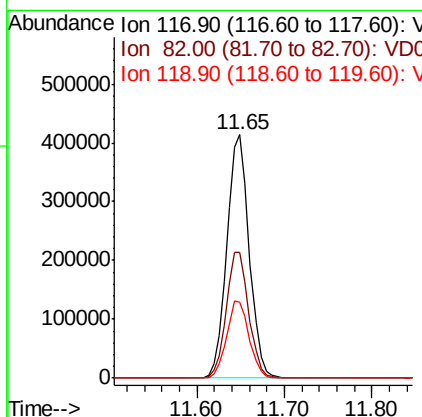
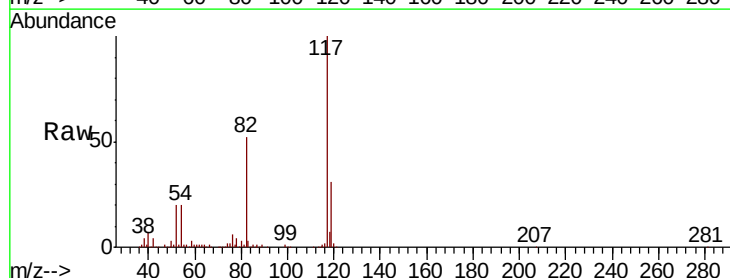
Instrument :
MSVOA_D
ClientSampleId :

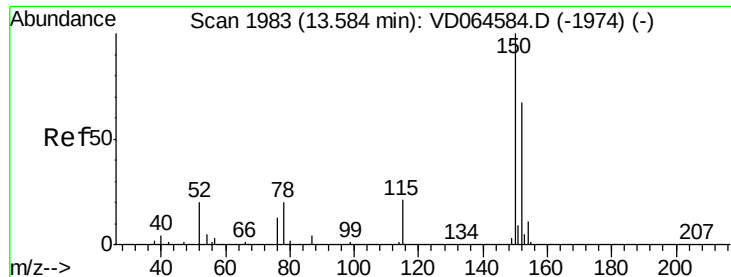
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	193.2
176	92.4	0.0	184.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064614.D
Acq: 26 Dec 2019 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.2	63.4
119	31.4	26.0	39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064614.D

Acq: 26 Dec 2019 23:41

Instrument :

MSVOA_D

ClientSampleId :

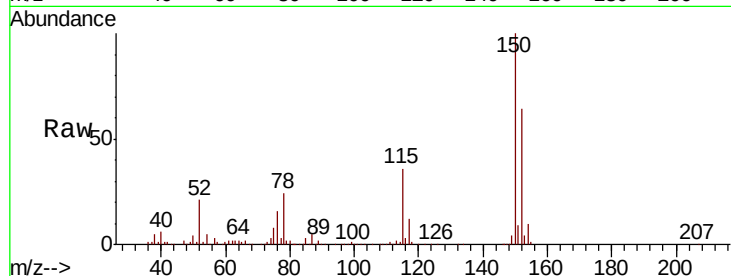
Tot Ion:152 Resp: 341172

Ion Ratio Lower Upper

152 100

115 54.0 27.8 83.4

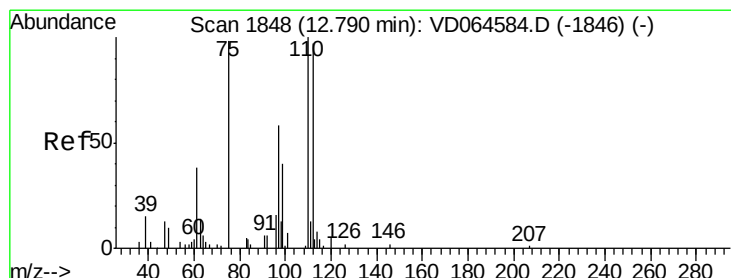
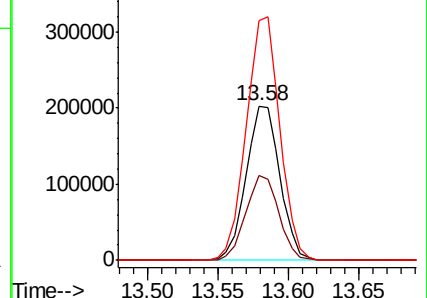
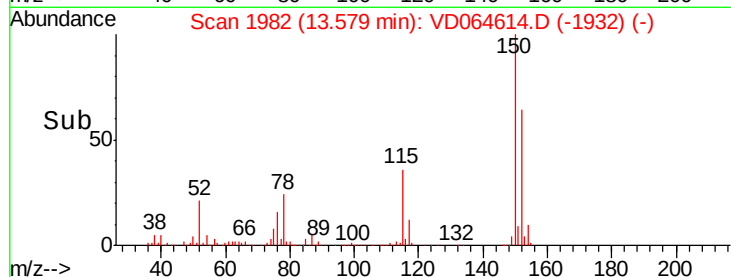
150 156.1 0.0 351.4



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: 60.351 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064614.D

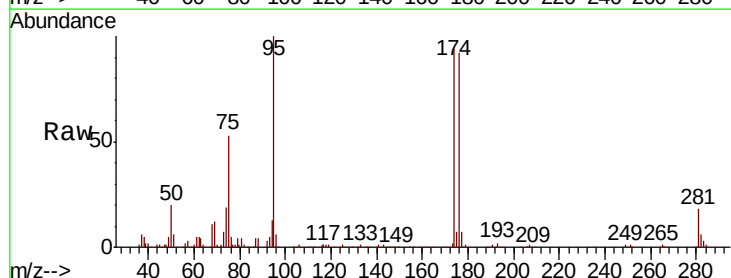
Acq: 26 Dec 2019 23:41

Tgt Ion: 75 Resp: 162593

Ion Ratio Lower Upper

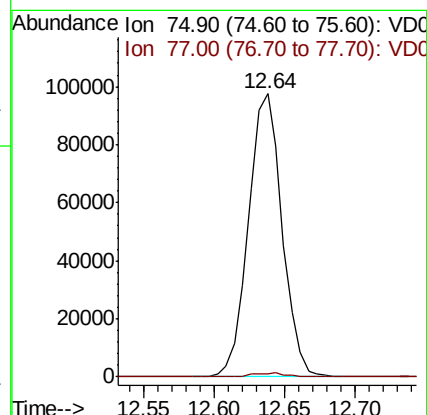
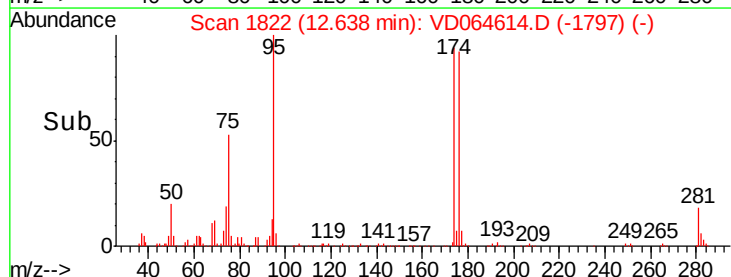
75 100

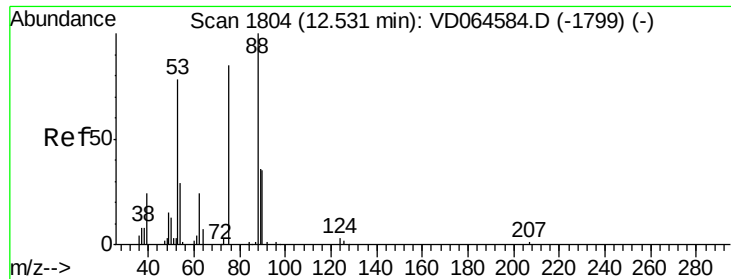
77 1.4 0.0 0.0#



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: 126.223 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064614.D

Acq: 26 Dec 2019 23:41

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 162593

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 38.3 57.5#

