

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120419\
 Data File : VD064415.D
 Acq On : 04 Dec 2019 14:24
 Operator : VA/SY
 Sample : K6119-02RE
 Misc : 4.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 05 03:49:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

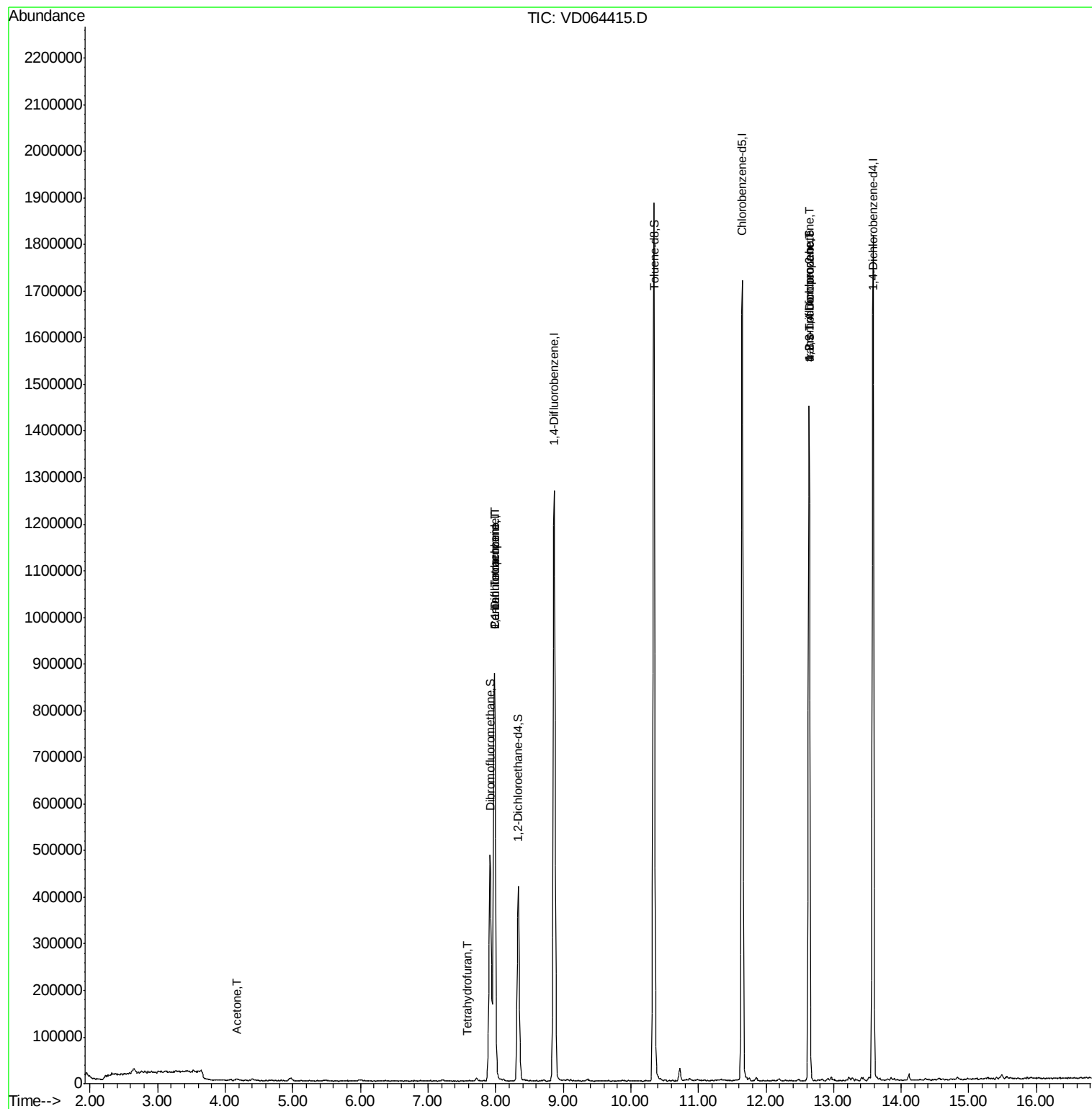
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	724551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1111194	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1004997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	493358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	327730	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.92	113	341689	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.34	98	1311988	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.64	95	434002	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
Target Compounds						
					Qvalue	
16) Acetone	4.17	43	7846	5.920	ug/l #	87
20) Methylene Chloride	4.97	84	4853	Below Cal	#	89
29) Tetrahydrofuran	7.59	42	1287	1.079	ug/l #	75
31) Cyclohexane	7.98	56	15832	Below Cal	#	16
36) 1,1-Dichloropropene	7.98	75	49554	4.715	ug/l #	49
38) Carbon Tetrachloride	7.98	117	66414	5.987	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	227695	56.121	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	227695	122.373	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.51	75	83	Below Cal	#	1

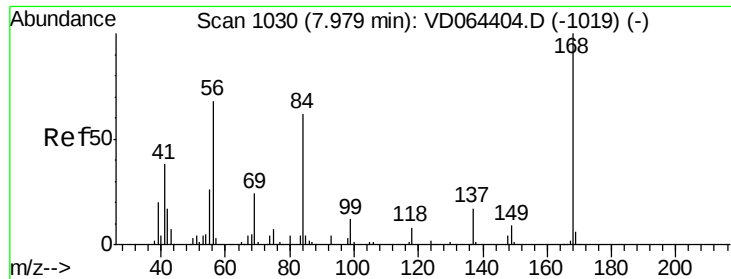
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 05 03:49:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064415.D

Acq: 04 Dec 2019 14:24

Instrument :

MSVOA_D

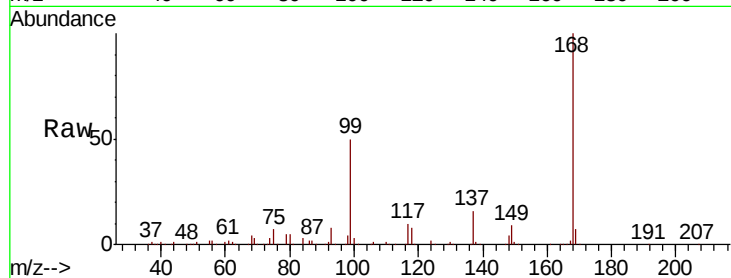
ClientSampleId :

Tot Ion:168 Resp: 724551

Ion Ratio Lower Upper

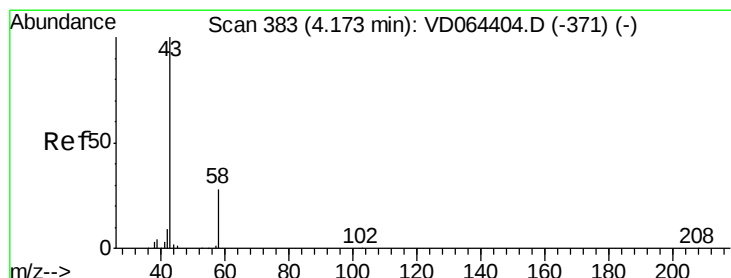
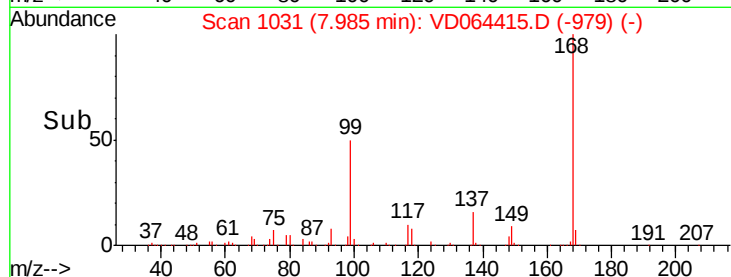
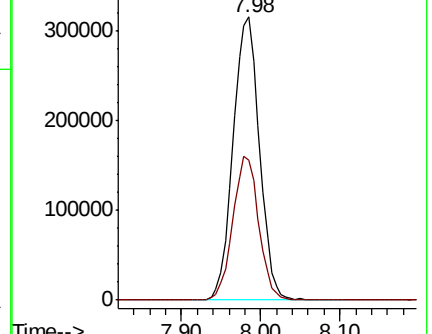
168 100

99 49.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 5.920 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.01 min

Lab File: VD064415.D

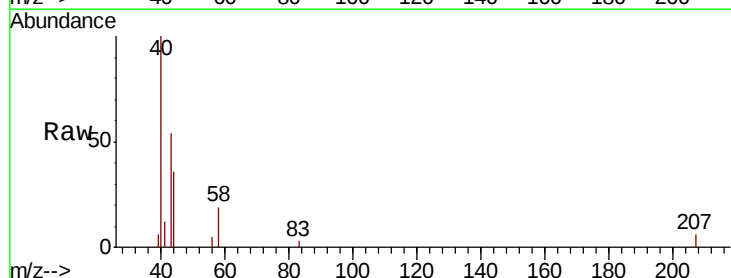
Acq: 04 Dec 2019 14:24

Tgt Ion: 43 Resp: 7846

Ion Ratio Lower Upper

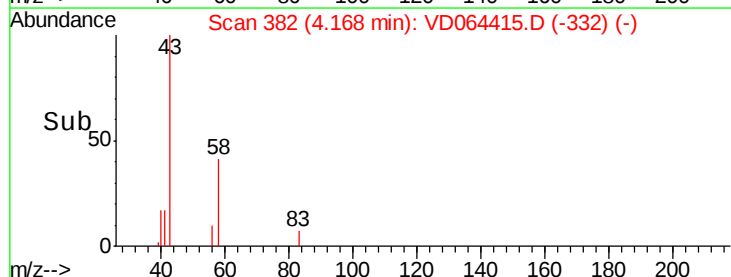
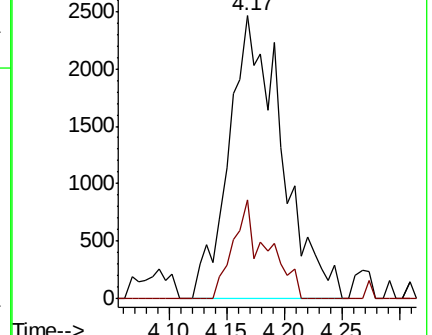
43 100

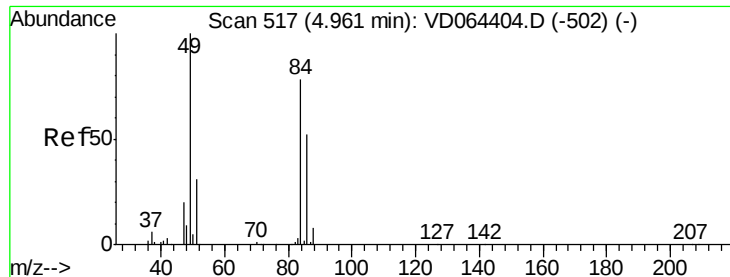
58 35.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

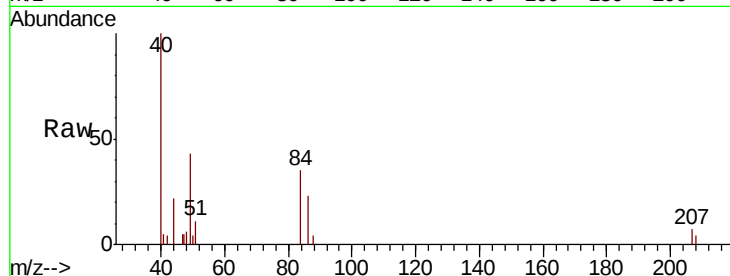




#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064415.D
Acq: 04 Dec 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
84	100		
49	111.3	102.6	153.8
51	30.3	32.0	48.0#
86	66.0	53.4	80.0



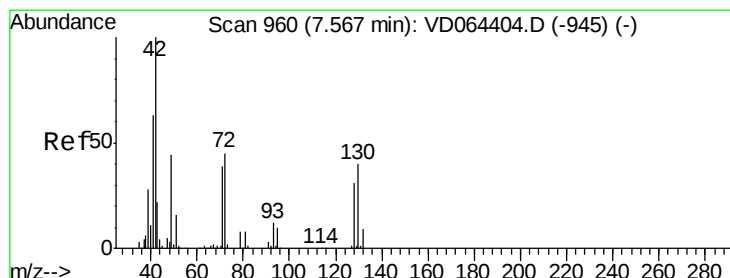
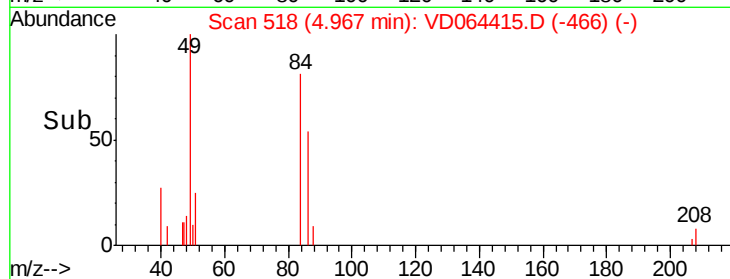
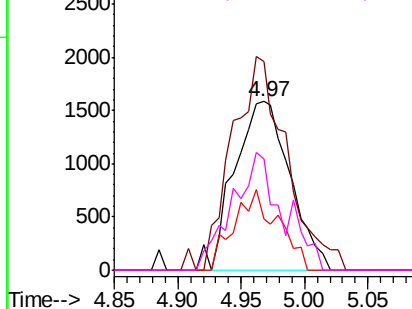
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

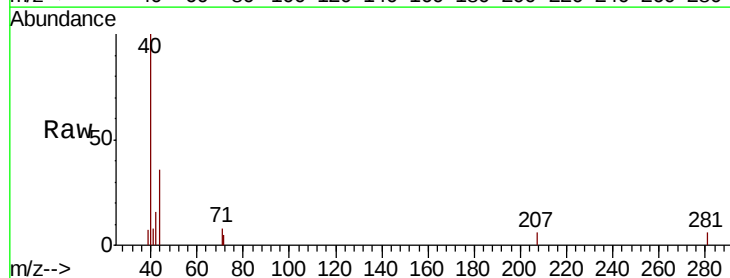
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#29
Tetrahydrofuran
Concen: 1.079 ug/l
RT: 7.59 min Scan# 964
Delta R.T. 0.02 min
Lab File: VD064415.D
Acq: 04 Dec 2019 14:24

Tgt Ion	Ratio	Lower	Upper
42	100		
72	18.9	35.8	53.8#
71	35.0	32.7	49.1

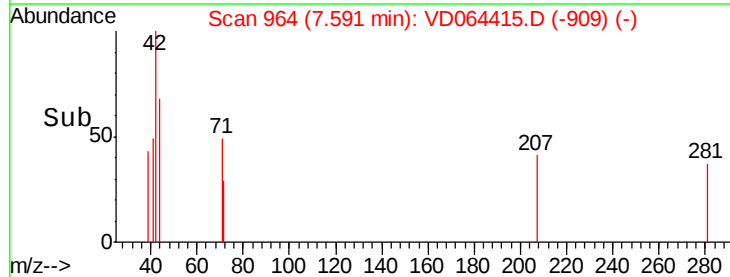
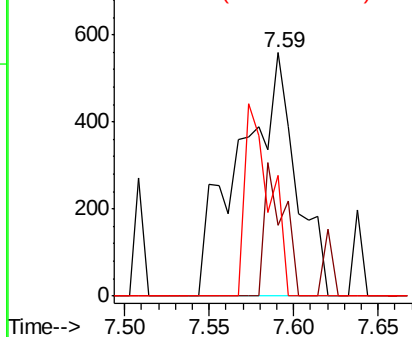


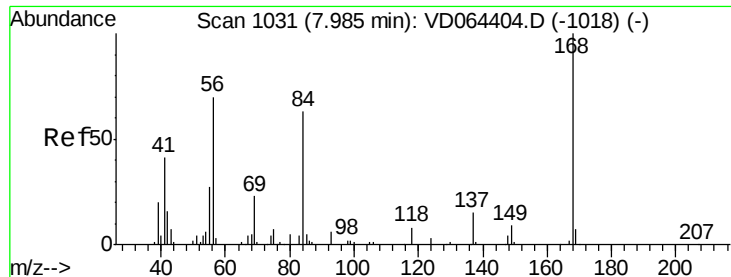
Abundance

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

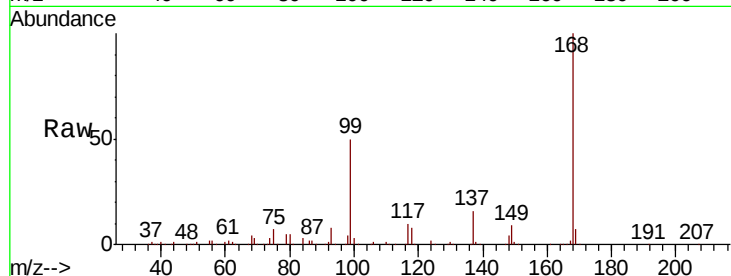




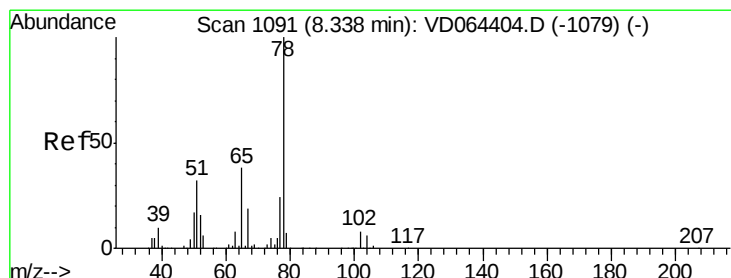
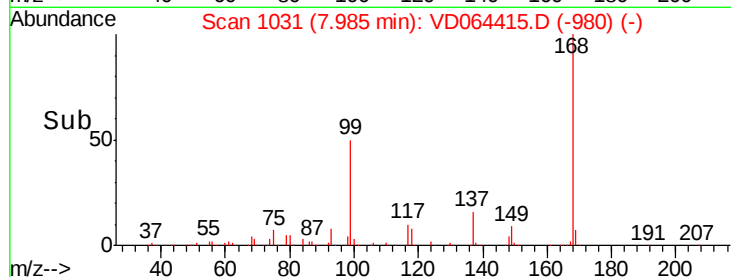
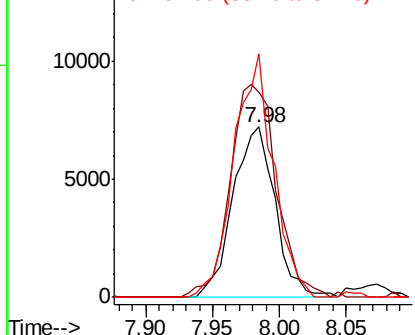
#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064415.D
Acq: 04 Dec 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 15832
Ion Ratio Lower Upper
56 100
69 117.9 26.2 39.4#
84 143.2 70.3 105.5#

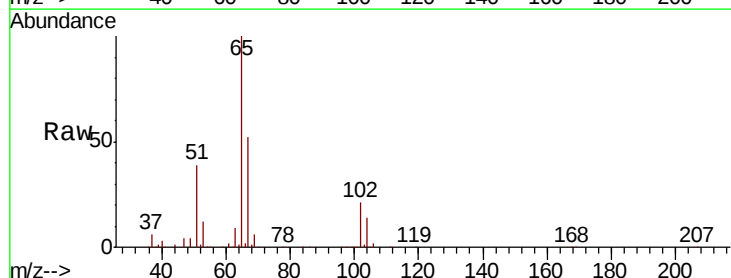


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

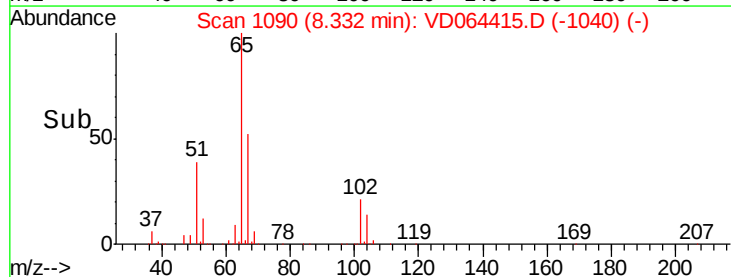
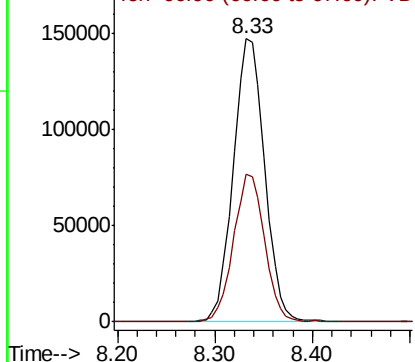


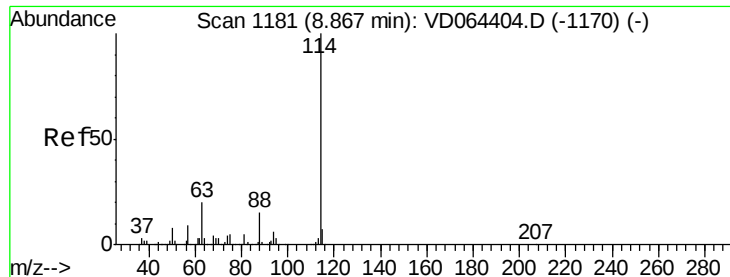
#33
1,2-Dichloroethane-d4
Concen: 49.972 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064415.D
Acq: 04 Dec 2019 14:24

Tgt Ion: 65 Resp: 327730
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.0



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



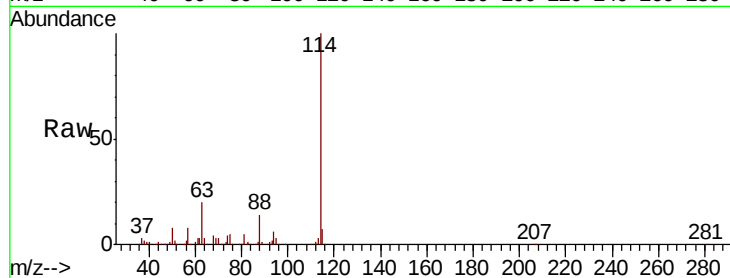


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064415.D
 Acq: 04 Dec 2019 14:24

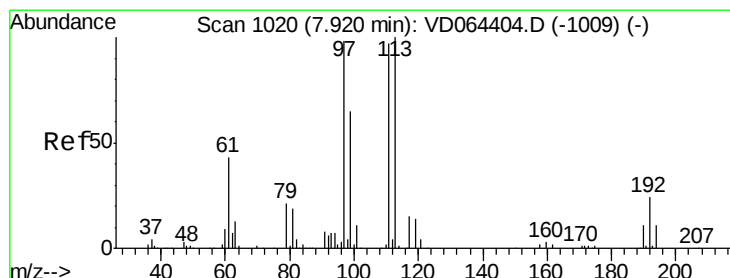
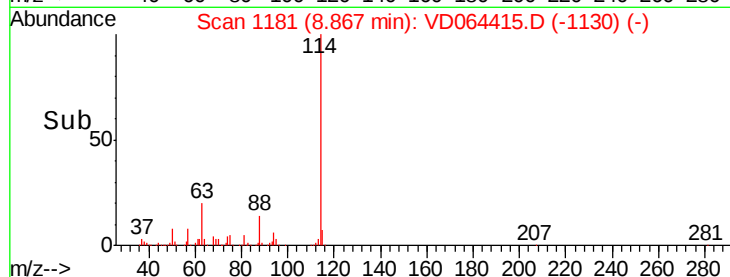
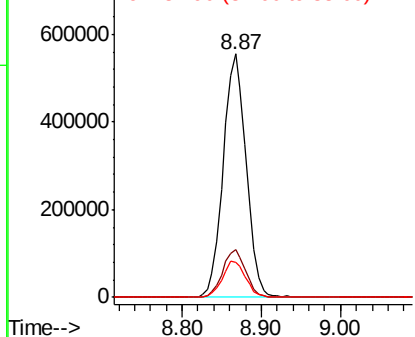
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1111194

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	14.4	0.0	29.2



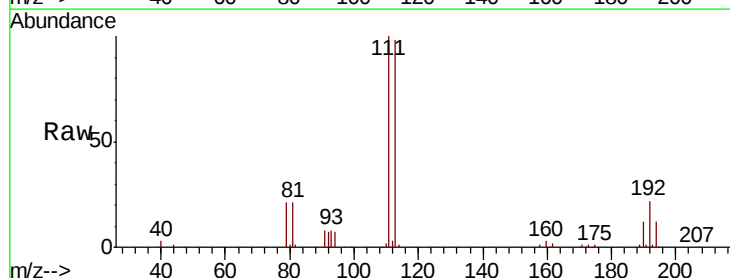
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V



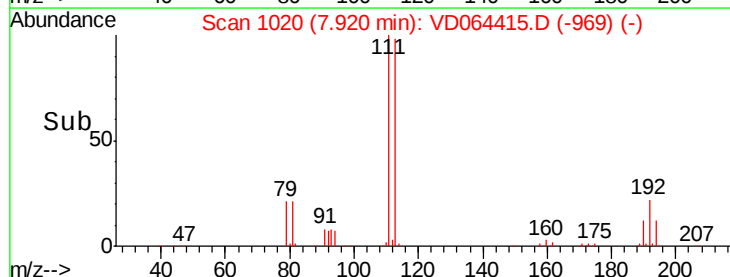
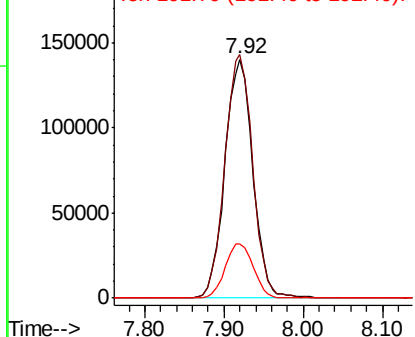
#35
 Dibromofluoromethane
 Concen: 48.805 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064415.D
 Acq: 04 Dec 2019 14:24

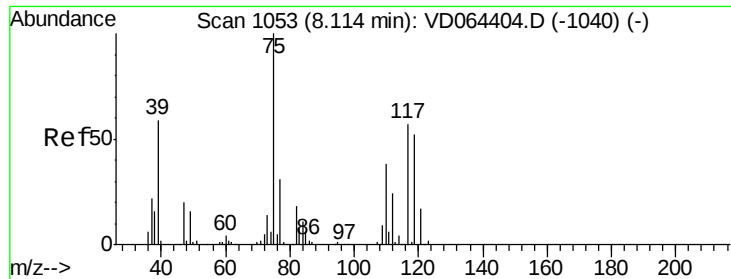
Tgt Ion:113 Resp: 341689

Ion	Ratio	Lower	Upper
113	100		
111	101.7	79.4	119.2
192	22.9	18.6	28.0



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

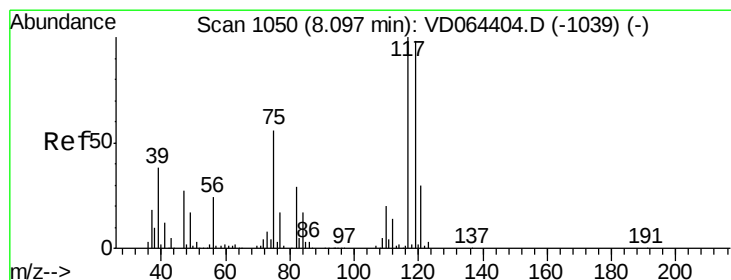
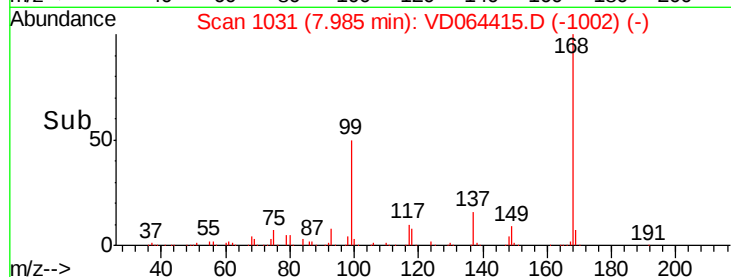
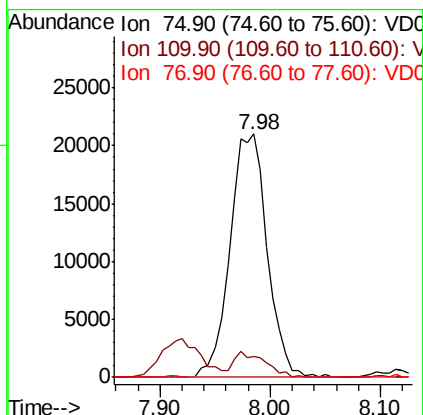
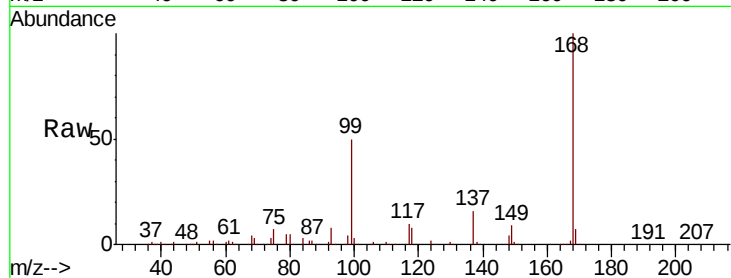




#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064415.D
 Acq: 04 Dec 2019 14:24

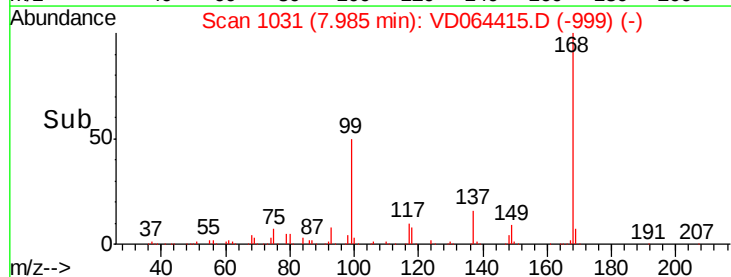
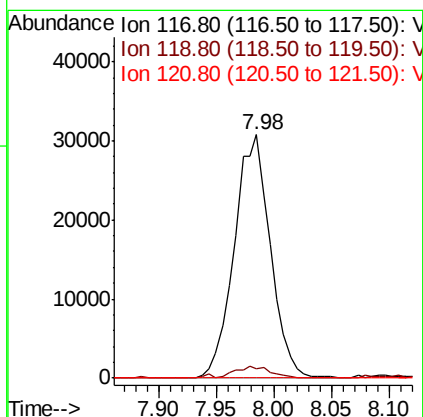
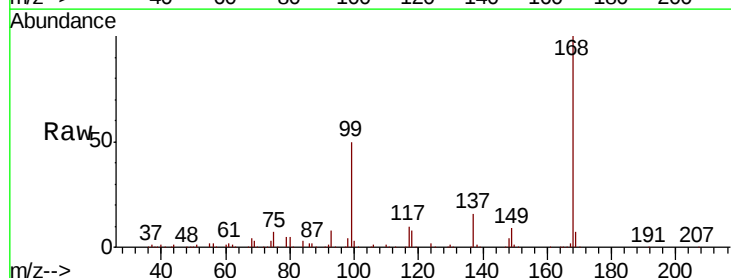
Instrument :
 MSVOA_D
 ClientSampleId :

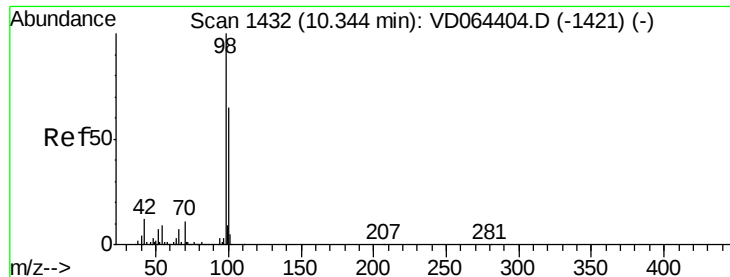
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.6	55.8#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.987 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064415.D
 Acq: 04 Dec 2019 14:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	78.8	118.2#
121	0.0	24.2	36.2#





#50

Toluene-d8

Concen: 49.749 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064415.D

Acq: 04 Dec 2019 14:24

Instrument :

MSVOA_D

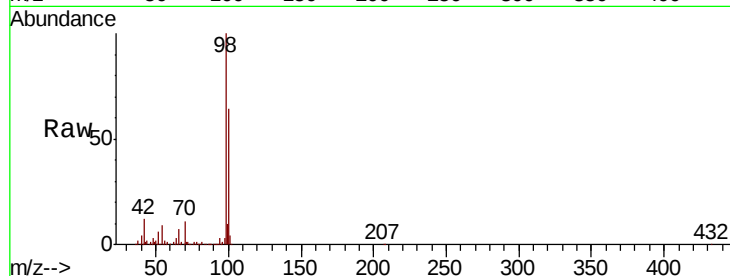
ClientSampleId :

Tot Ion: 98 Resp: 1311988

Ion Ratio Lower Upper

98 100

100 65.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

800000

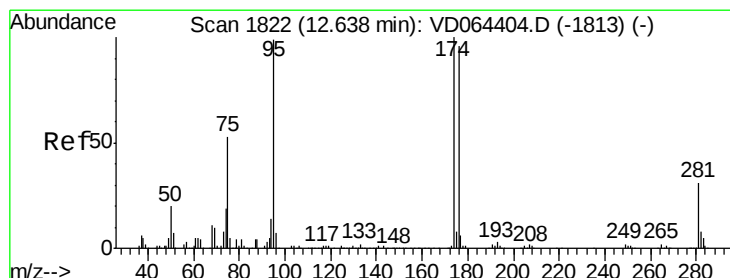
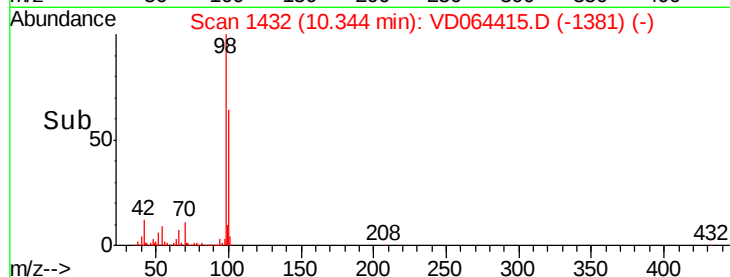
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.208 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064415.D

Acq: 04 Dec 2019 14:24

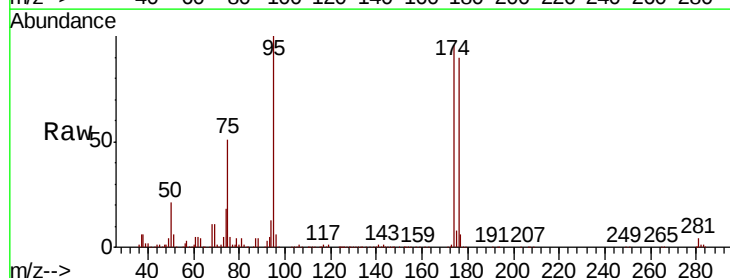
Tgt Ion: 95 Resp: 434002

Ion Ratio Lower Upper

95 100

174 95.9 0.0 197.2

176 92.6 0.0 189.6



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

12.64

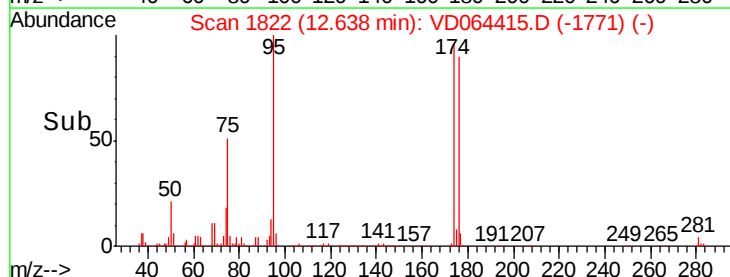
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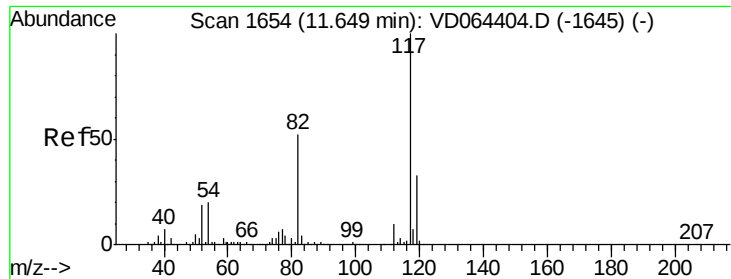
200000

100000

0

Time-->

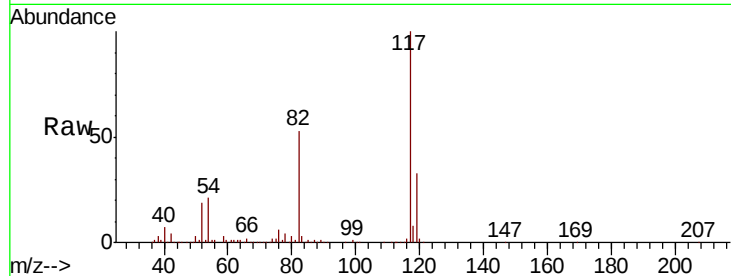




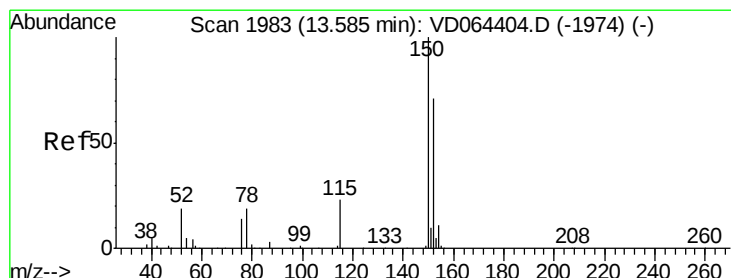
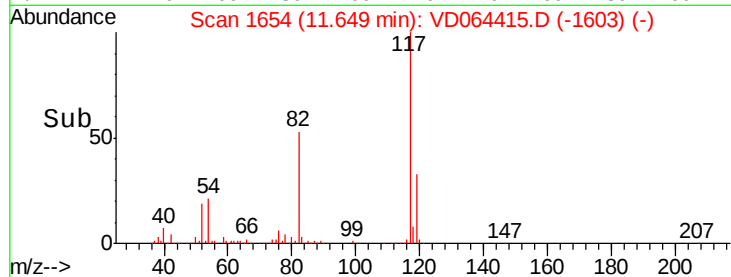
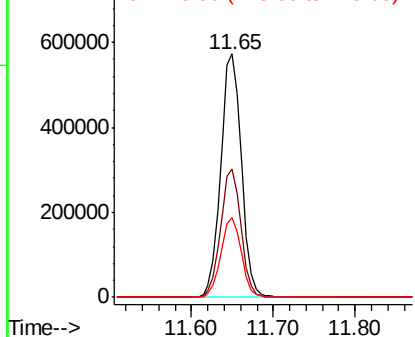
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064415.D
Acq: 04 Dec 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1004997
Ion Ratio Lower Upper
117 100
82 52.9 41.4 62.2
119 32.8 26.2 39.2

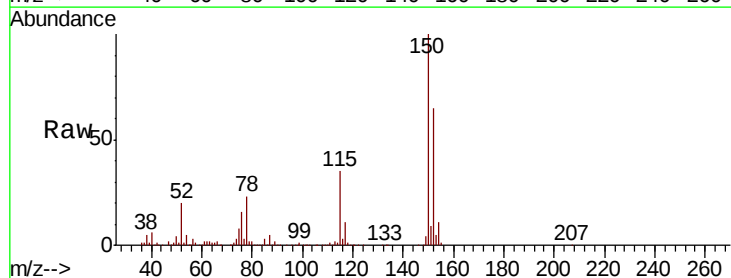


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

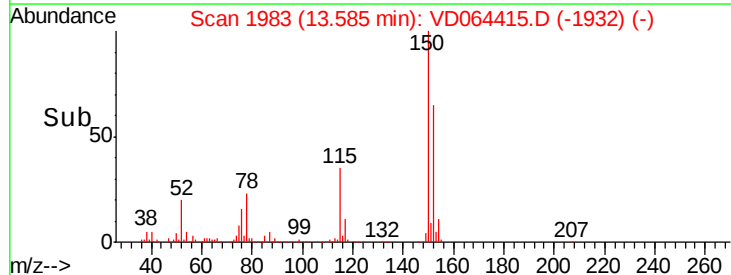
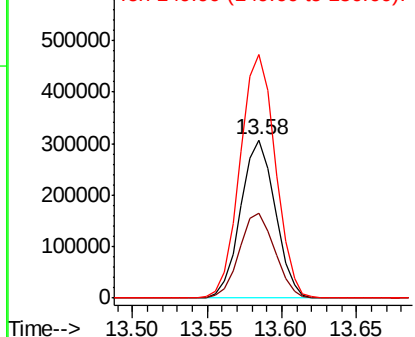


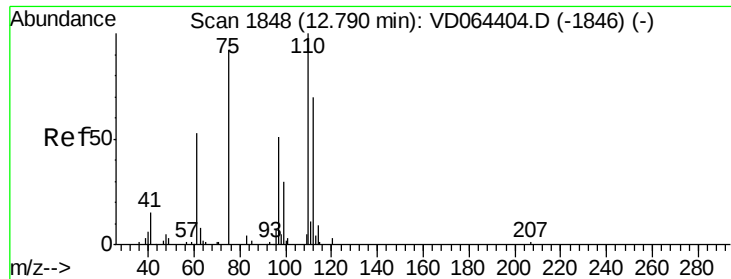
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064415.D
Acq: 04 Dec 2019 14:24

Tgt Ion:152 Resp: 493358
Ion Ratio Lower Upper
152 100
115 55.0 26.7 80.1
150 157.5 0.0 347.2



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: 56.121 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064415.D

Acq: 04 Dec 2019 14:24

Instrument :

MSVOA_D

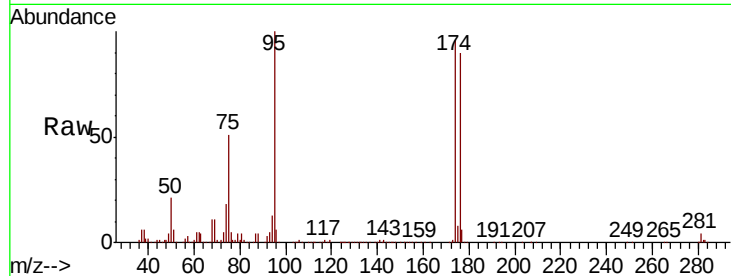
ClientSampleId :

Tot Ion: 75 Resp: 227695

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

12.64

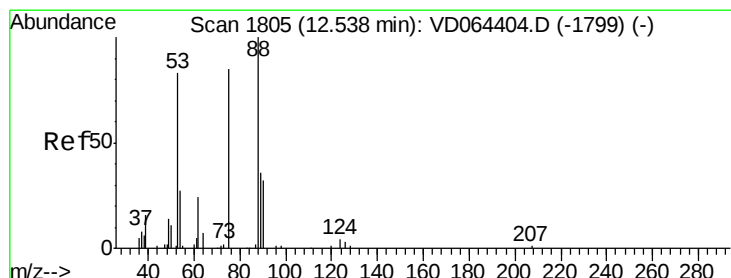
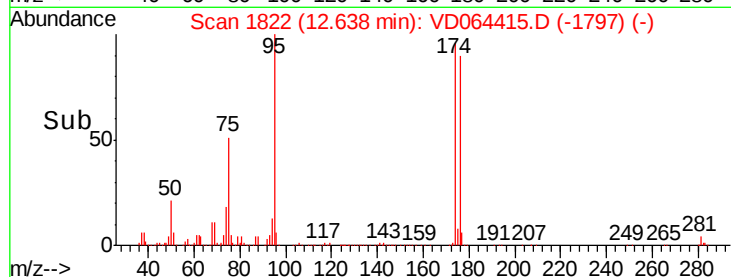
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 122.373 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064415.D

Acq: 04 Dec 2019 14:24

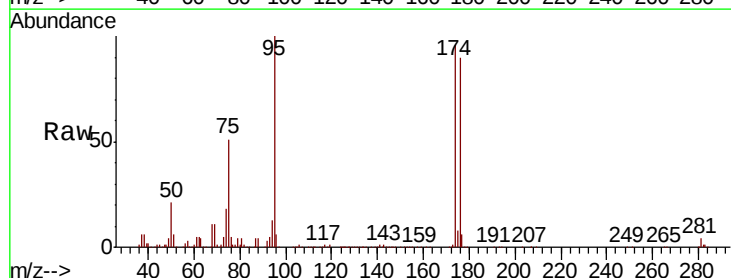
Tgt Ion: 75 Resp: 227695

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.1 38.5 57.7#



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

12.64

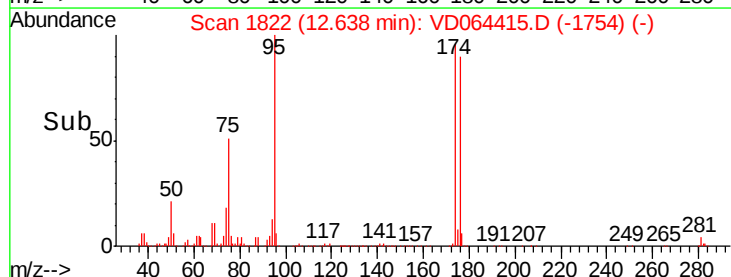
150000

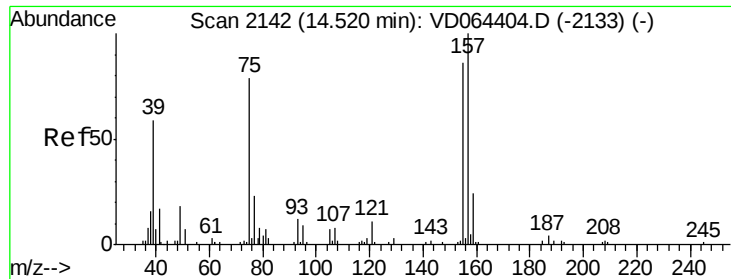
100000

50000

0

Time-->





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064415.D
 Acq: 04 Dec 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 83
 Ion Ratio Lower Upper
 75 100
 155 0.0 51.9 155.7#
 157 0.0 63.2 189.8#

