

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121019\
 Data File : VD064489.D
 Acq On : 10 Dec 2019 17:48
 Operator : VA/SY
 Sample : K6242-05
 Misc : 5.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 00:48:40 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	426349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	654278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	167372	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	
35) Dibromofluoromethane	7.92	113	195496	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
50) Toluene-d8	10.34	98	782795	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.64	95	255015	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	

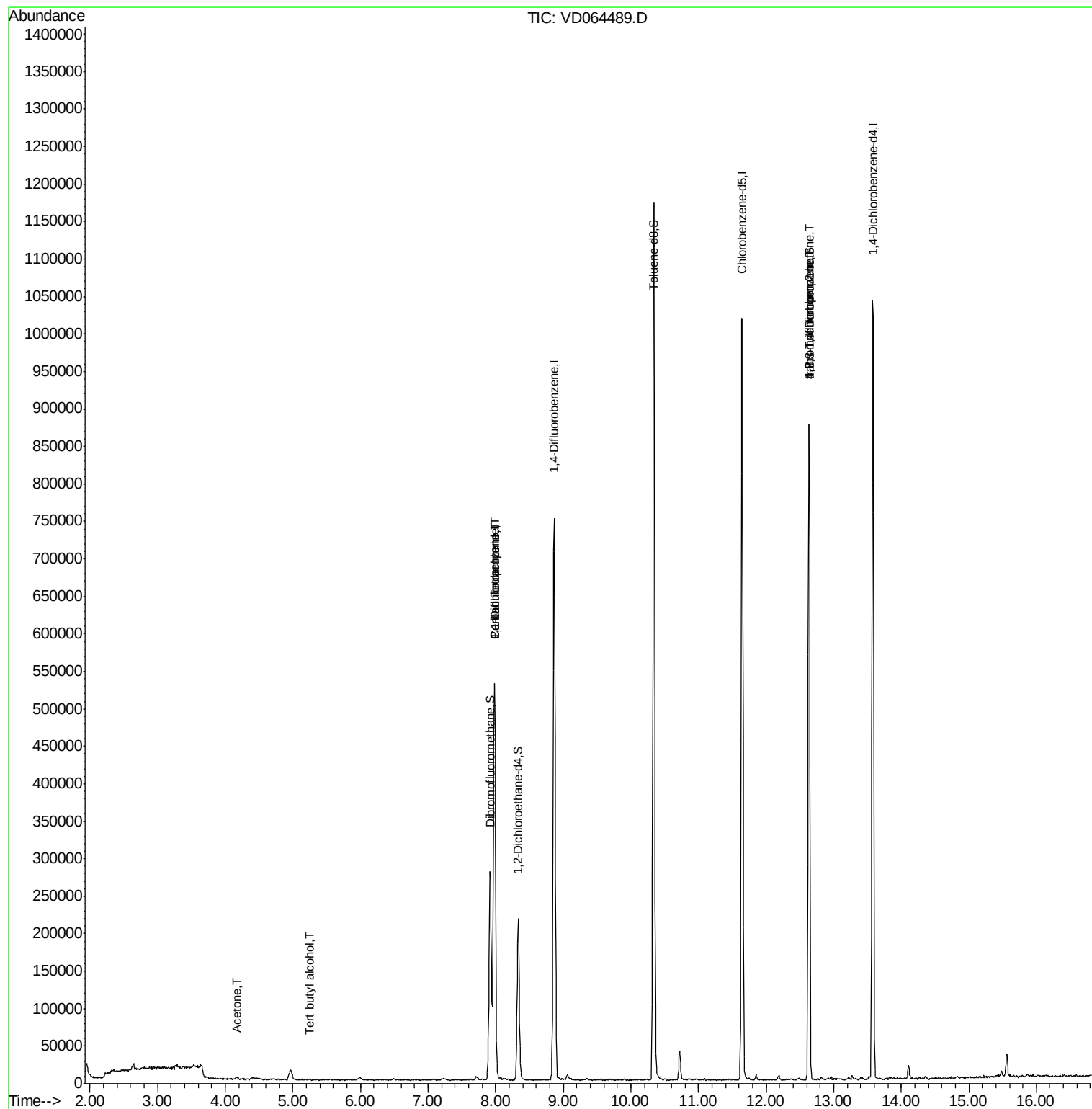
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	253	1.030	ug/l #	100
16) Acetone	4.16	43	2458	3.152	ug/l #	85
20) Methylene Chloride	4.97	84	9302	Below Cal	#	79
31) Cyclohexane	7.99	56	8587	Below Cal	#	18
36) 1,1-Dichloropropene	7.98	75	30902	4.993	ug/l #	49
38) Carbon Tetrachloride	7.98	117	40404	6.186	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	134263	55.604	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	134263	121.245	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.50	75	122	Below Cal	#	1

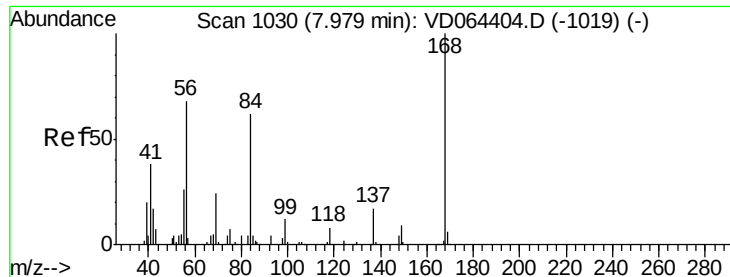
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064489.D

Acq: 10 Dec 2019 17:48

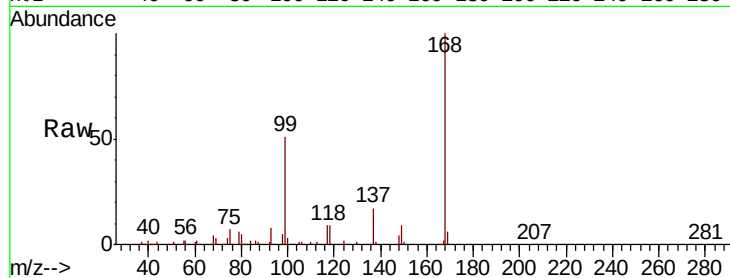
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 426349

Ion Ratio Lower Upper

168 100

99 51.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

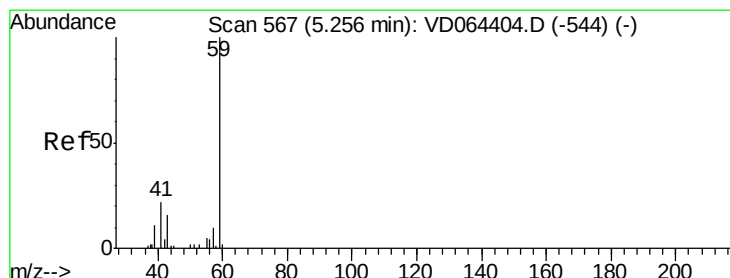
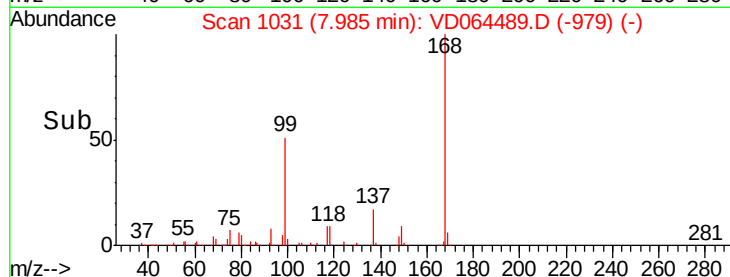
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.030 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD064489.D

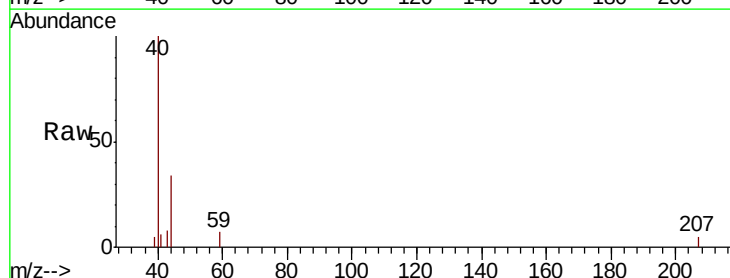
Acq: 10 Dec 2019 17:48

Tgt Ion: 59 Resp: 253

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.24

300

250

200

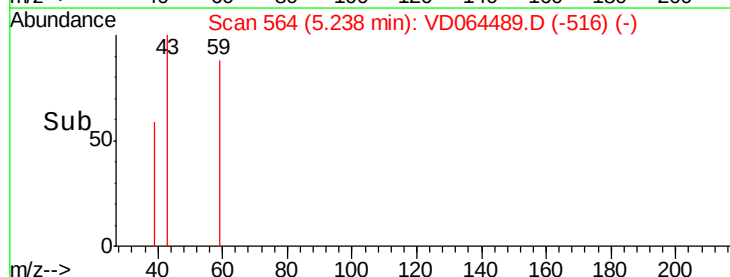
150

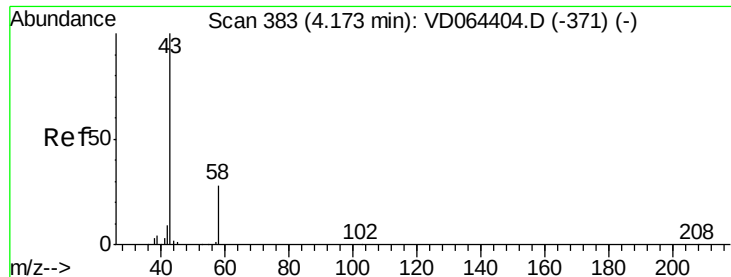
100

50

0

Time-->





#16

Acetone

Concen: 3.152 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064489.D

Acq: 10 Dec 2019 17:48

Instrument :

MSVOA_D

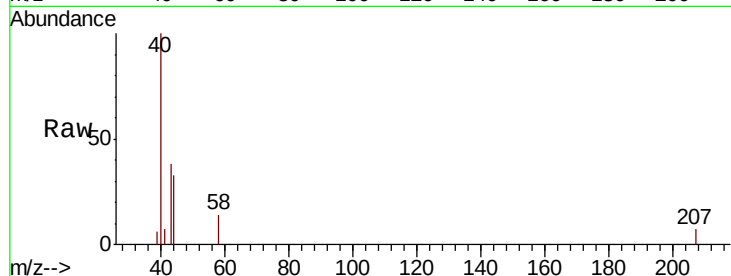
ClientSampleId :

Tot Ion: 43 Resp: 2458

Ion Ratio Lower Upper

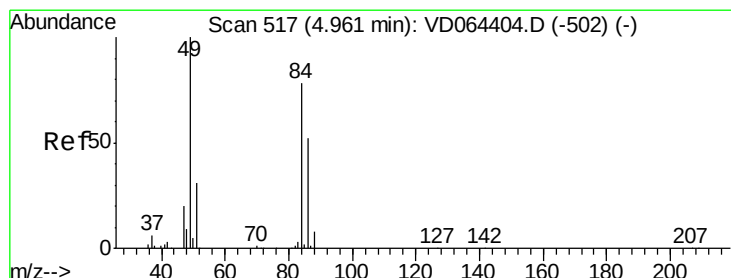
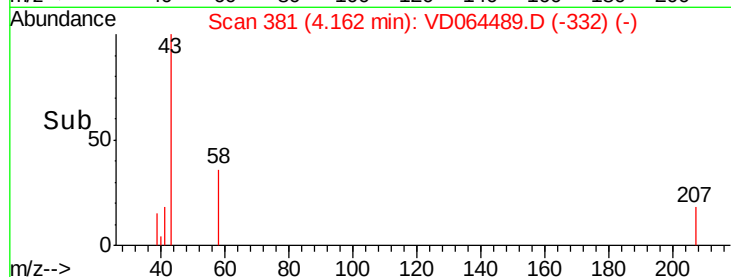
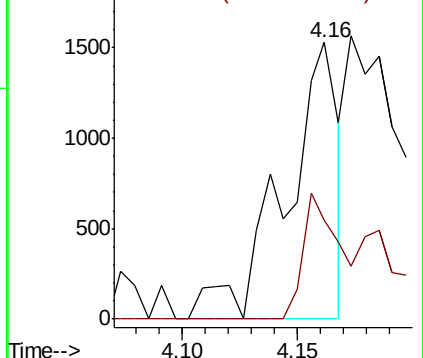
43 100

58 36.1 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# 519

Delta R.T. 0.01 min

Lab File: VD064489.D

Acq: 10 Dec 2019 17:48

Tgt Ion: 84 Resp: 9302

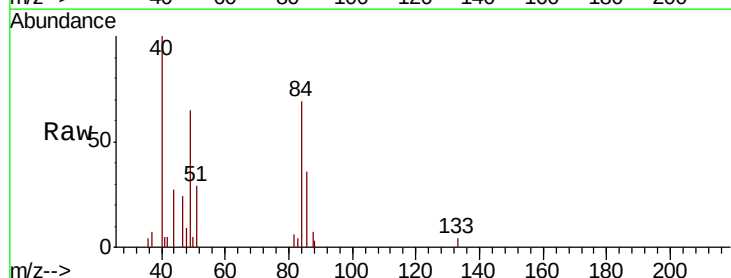
Ion Ratio Lower Upper

84 100

49 94.7 102.6 153.8#

51 42.2 32.0 48.0

86 52.6 53.4 80.0#

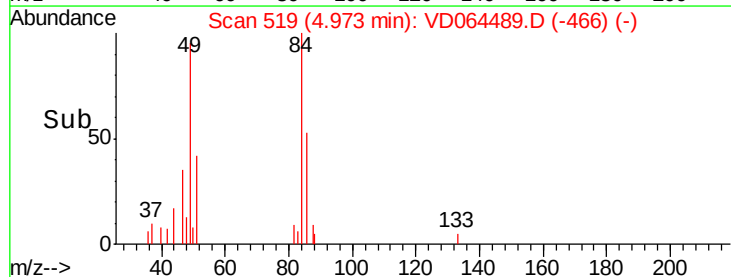
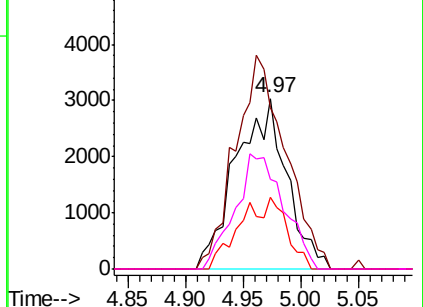


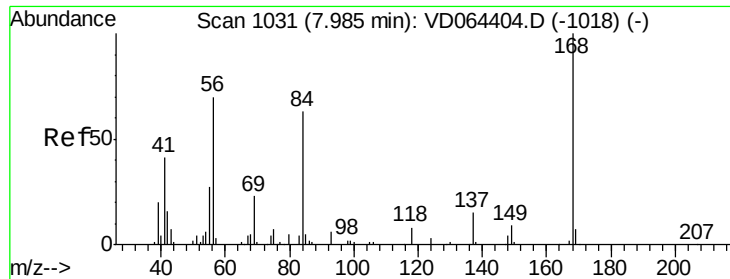
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

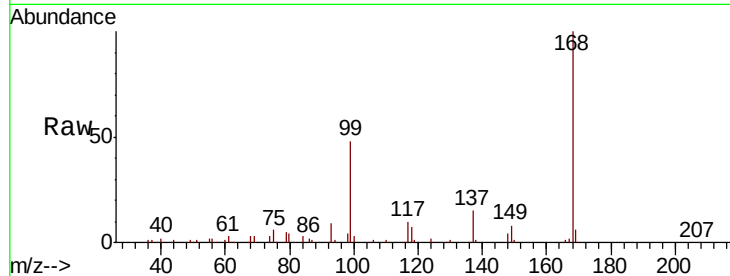




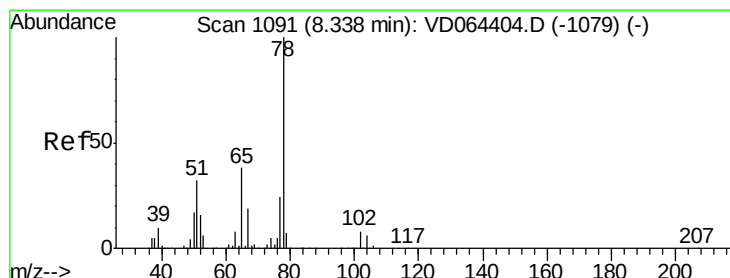
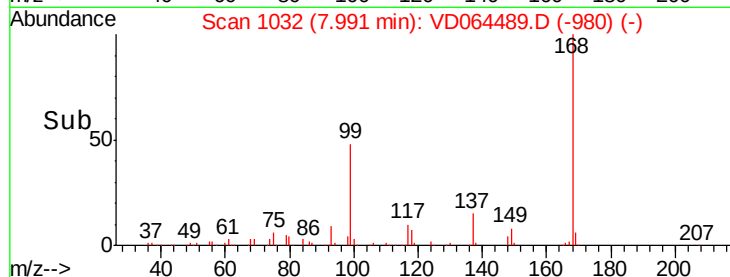
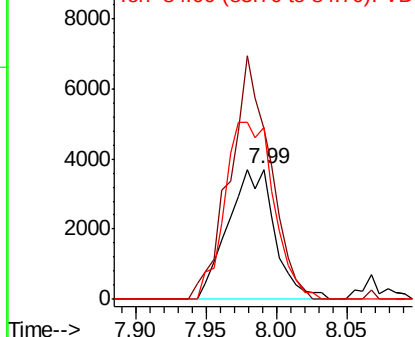
#31
Cyclohexane
Concen: Below Cal
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064489.D
Acq: 10 Dec 2019 17:48

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 8587
Ion Ratio Lower Upper
56 100
69 131.3 26.2 39.4#
84 131.9 70.3 105.5#

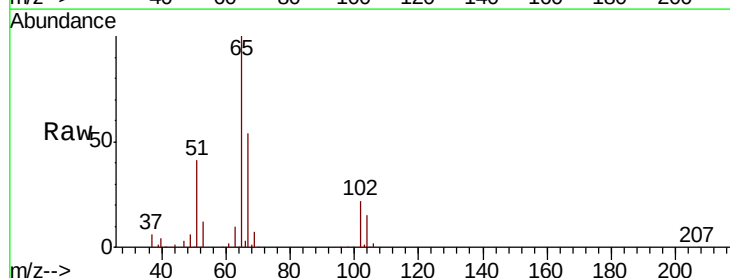


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

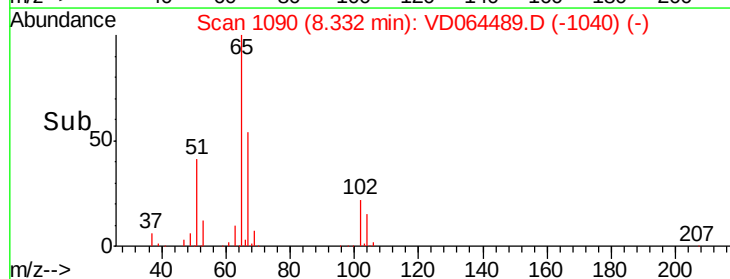
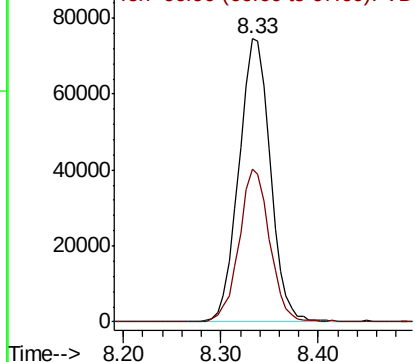


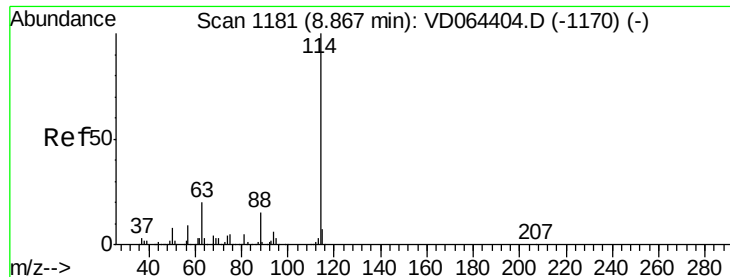
#33
1,2-Dichloroethane-d4
Concen: 43.371 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064489.D
Acq: 10 Dec 2019 17:48

Tgt Ion: 65 Resp: 167372
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.0



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

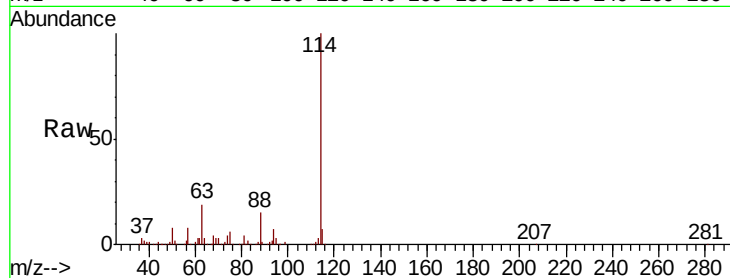




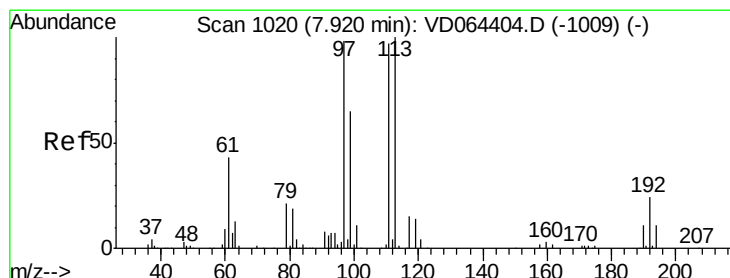
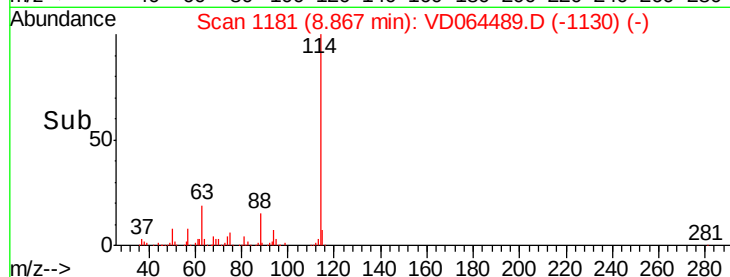
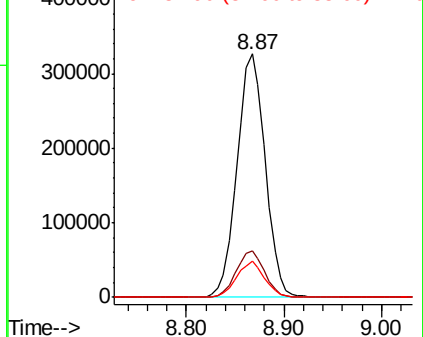
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064489.D
 Acq: 10 Dec 2019 17:48

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 654278
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 15.1 0.0 29.2

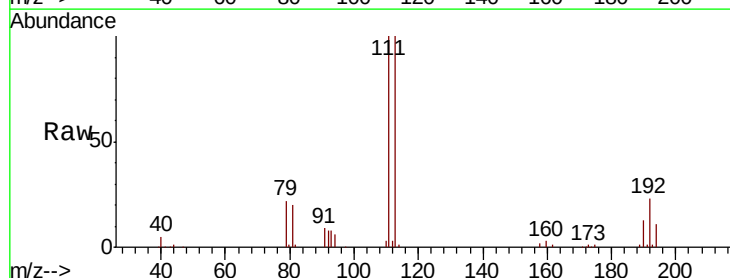


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

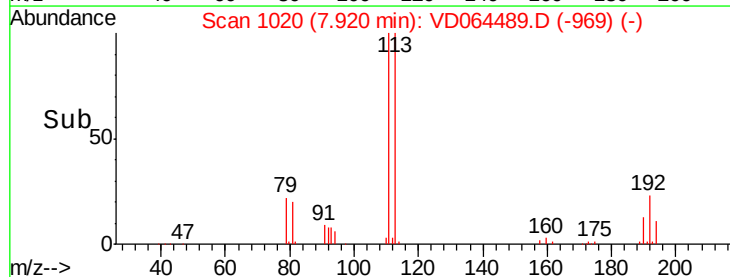
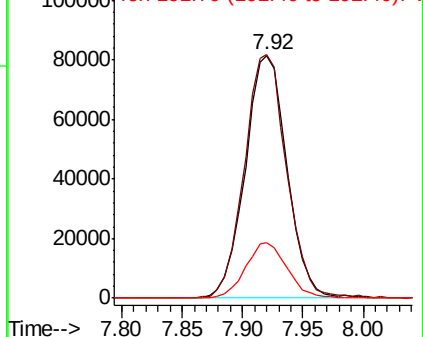


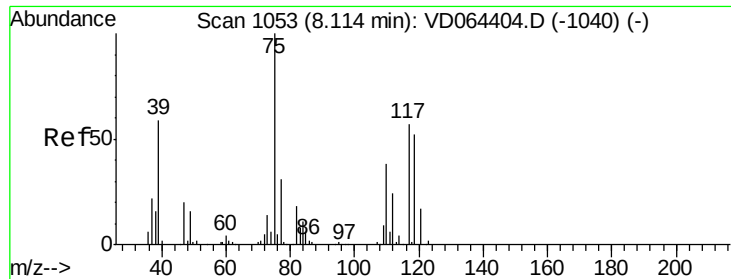
#35
 Dibromofluoromethane
 Concen: 47.424 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064489.D
 Acq: 10 Dec 2019 17:48

Tgt Ion:113 Resp: 195496
 Ion Ratio Lower Upper
 113 100
 111 101.7 79.4 119.2
 192 22.6 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

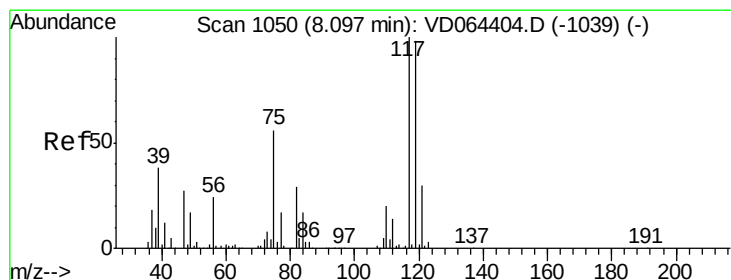
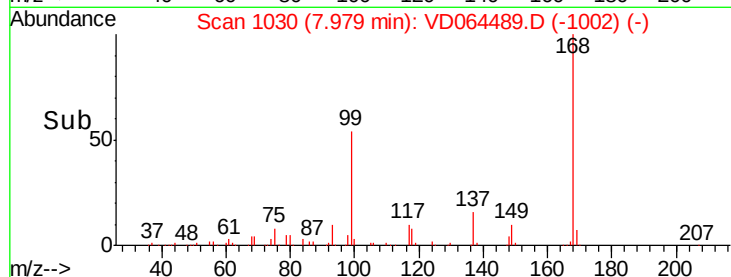
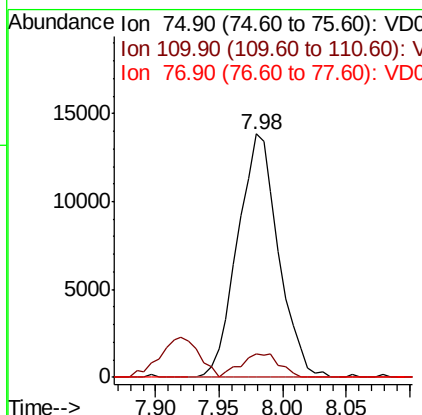
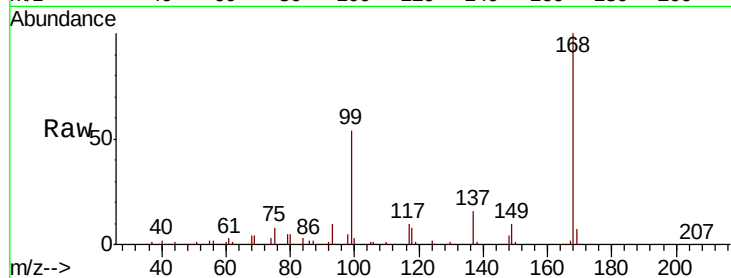




#36
 1,1-Dichloropropene
 Concen: 4.993 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064489.D
 Acq: 10 Dec 2019 17:48

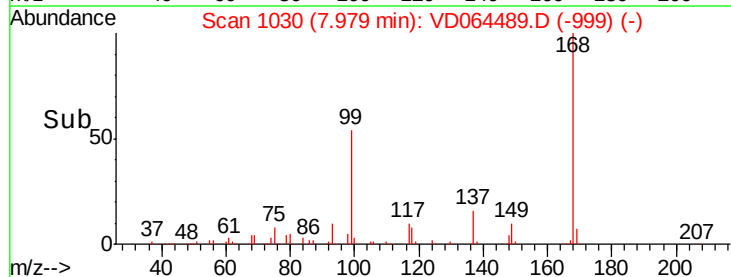
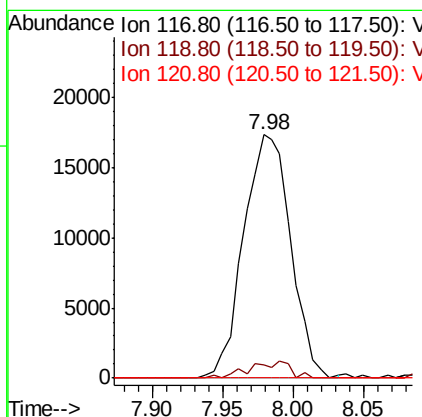
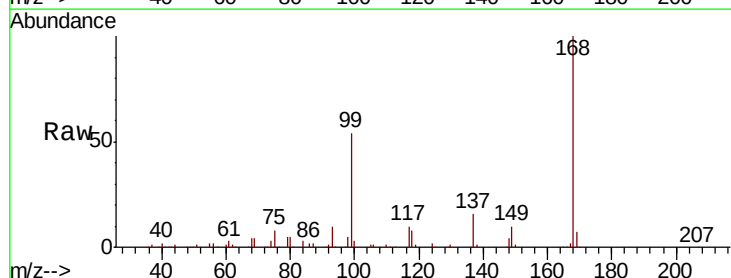
Instrument :
 MSVOA_D
 ClientSampleId :

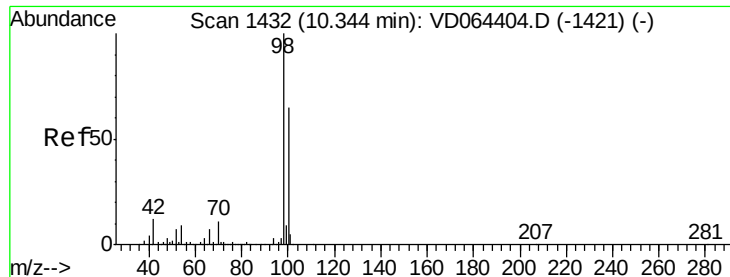
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.6	55.8#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.186 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064489.D
 Acq: 10 Dec 2019 17:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.8	118.2#
121	0.0	24.2	36.2#

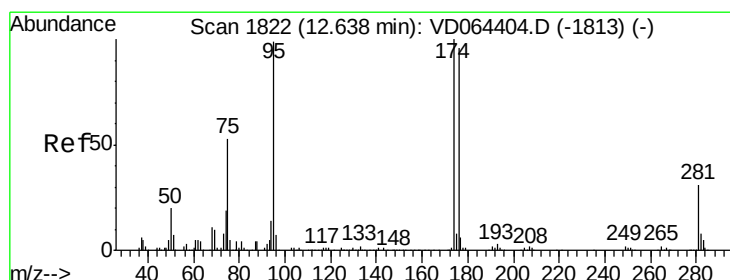
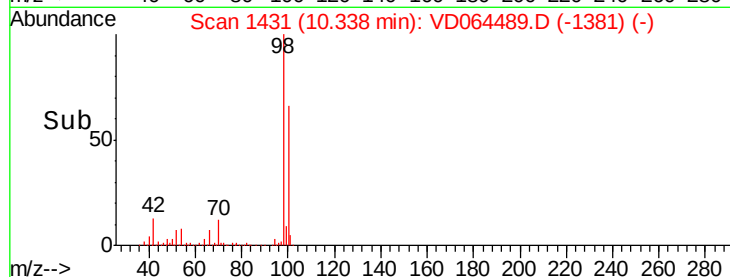
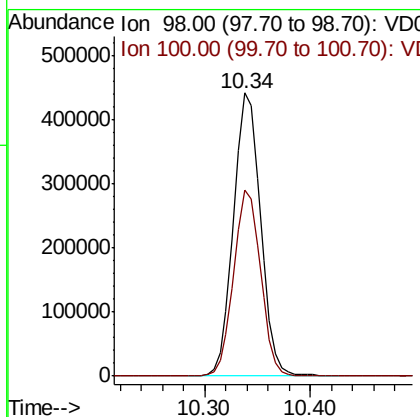
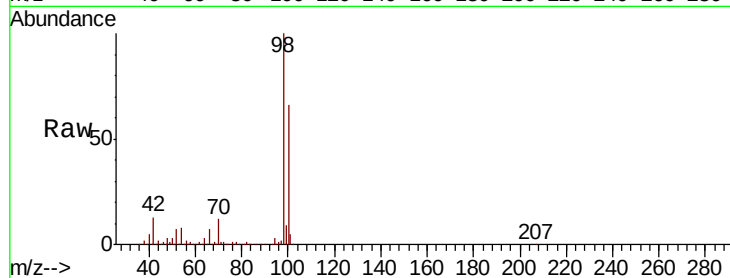




#50
Toluene-d8
Concen: 50.411 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064489.D
Acq: 10 Dec 2019 17:48

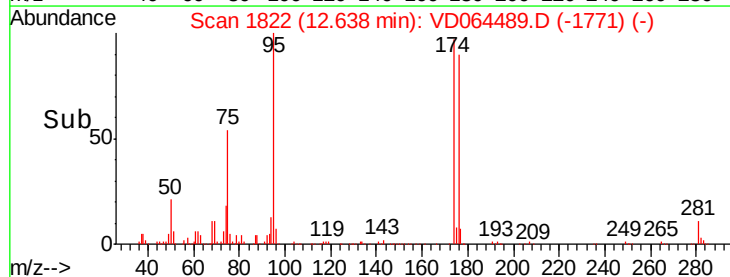
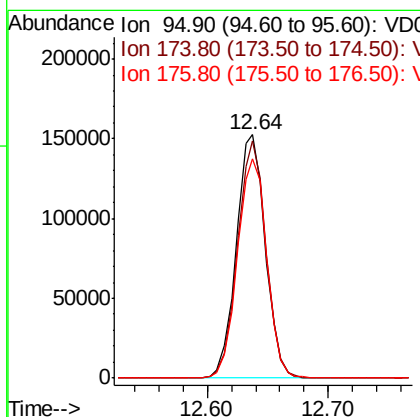
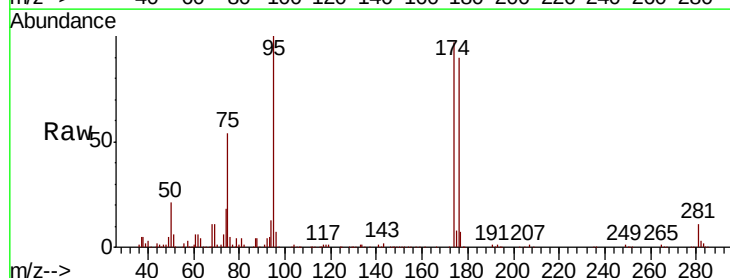
Instrument :
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ClientSampleId :

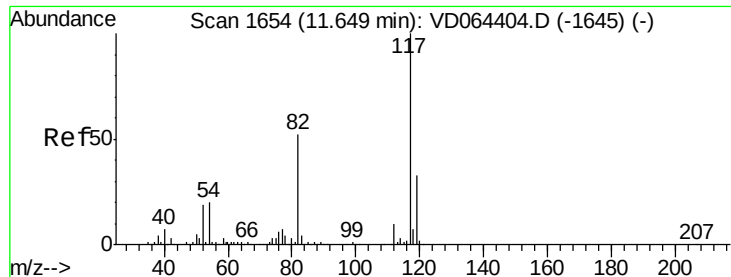
Tot Ion: 98 Resp: 782795
Ion Ratio Lower Upper
98 100
100 65.6 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 51.102 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064489.D
Acq: 10 Dec 2019 17:48

Tgt Ion: 95 Resp: 255015
Ion Ratio Lower Upper
95 100
174 95.6 0.0 197.2
176 91.2 0.0 189.6

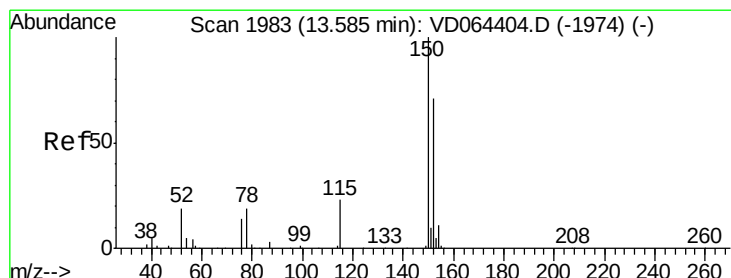
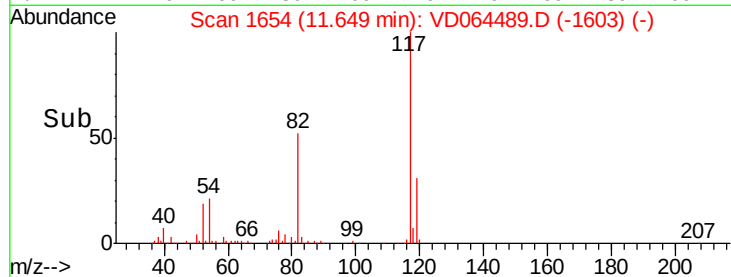
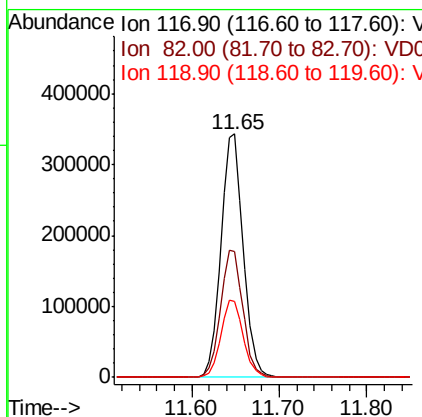
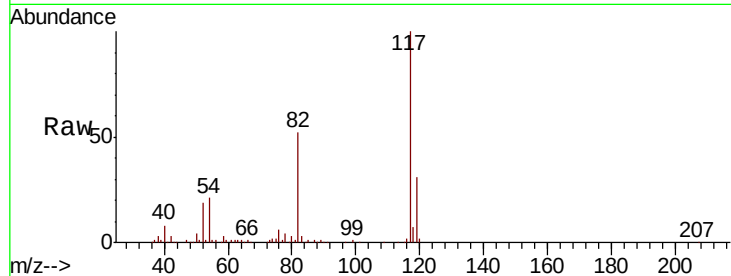




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064489.D
Acq: 10 Dec 2019 17:48

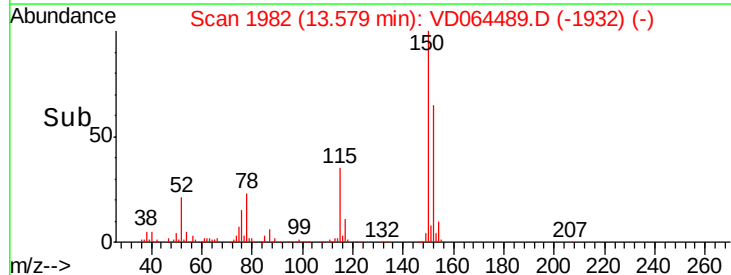
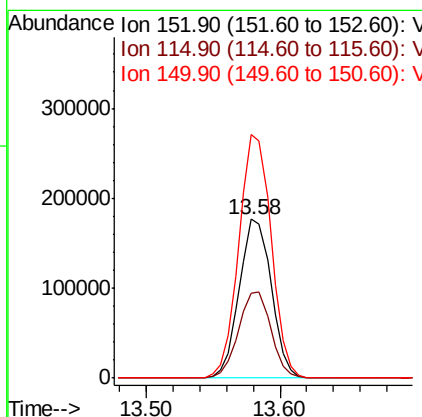
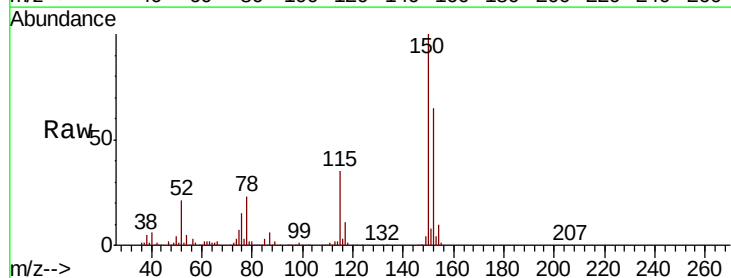
Instrument :
MSVOA_D
ClientSampleId :

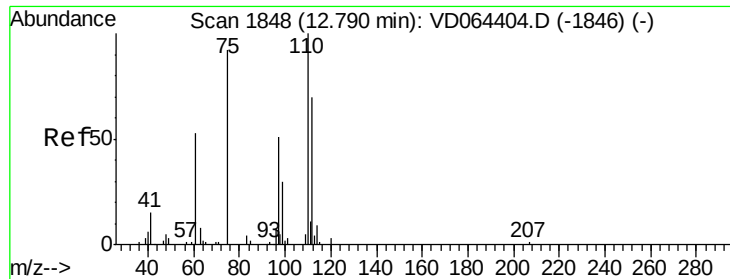
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.4	62.2
119	30.9	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064489.D
Acq: 10 Dec 2019 17:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	26.7	80.1
150	154.5	0.0	347.2

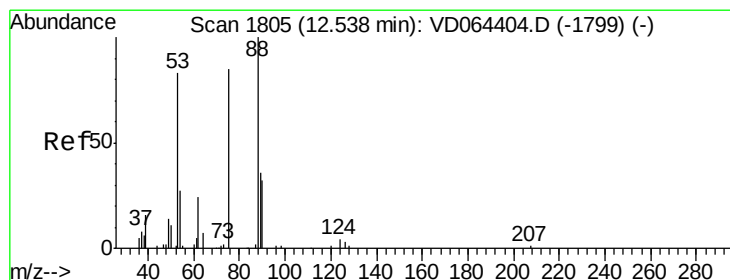
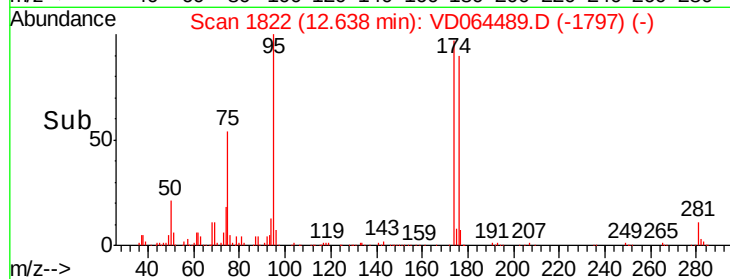
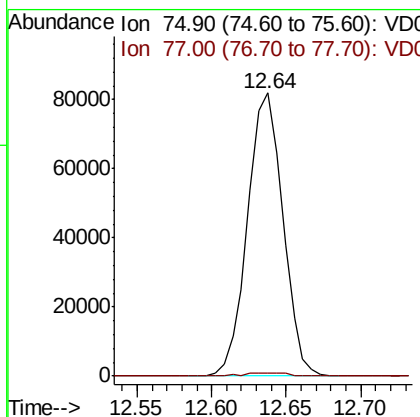
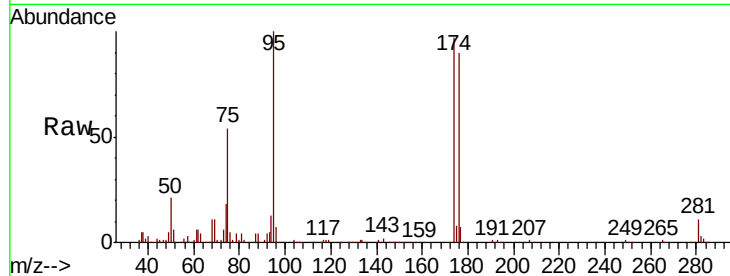




#76
 1,2,3-Trichloropropane
 Concen: 55.604 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064489.D
 Acq: 10 Dec 2019 17:48

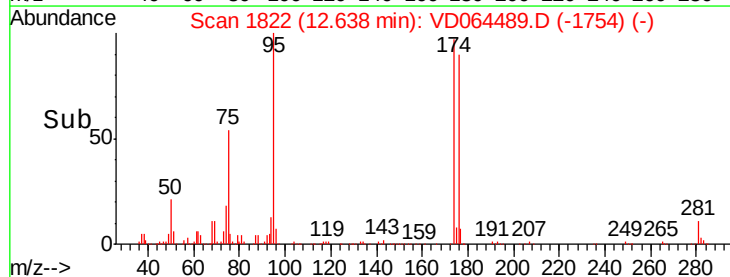
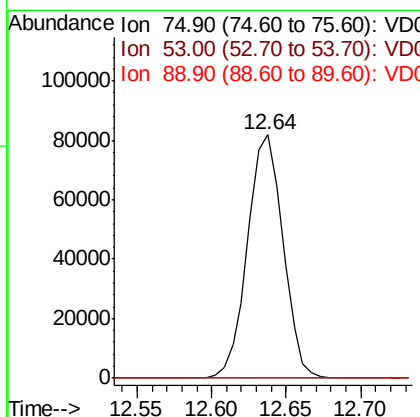
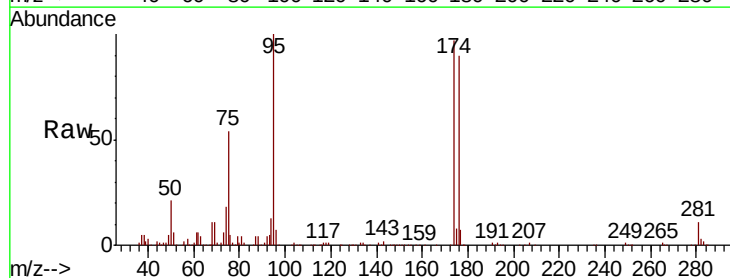
Instrument :
 MSVOA_D
 ClientSampleId :

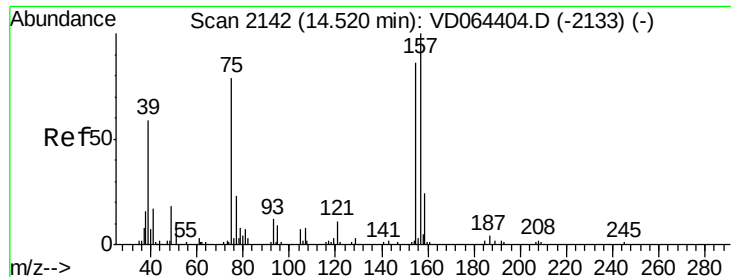
Tot Ion: 75 Resp: 134263
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.245 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD064489.D
 Acq: 10 Dec 2019 17:48

Tgt Ion: 75 Resp: 134263
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.6#
 89 0.0 38.5 57.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2138

Delta R.T. -0.02 min

Lab File: VD064489.D

Acq: 10 Dec 2019 17:48

Instrument :

MSVOA_D

ClientSampleId :

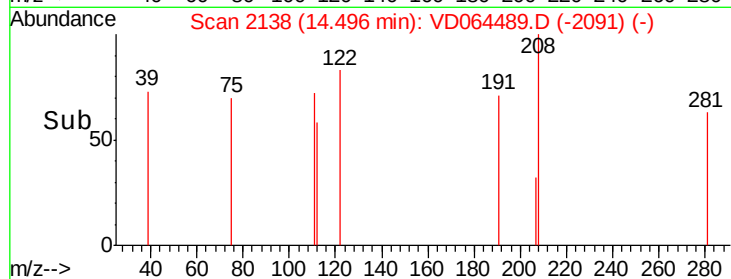
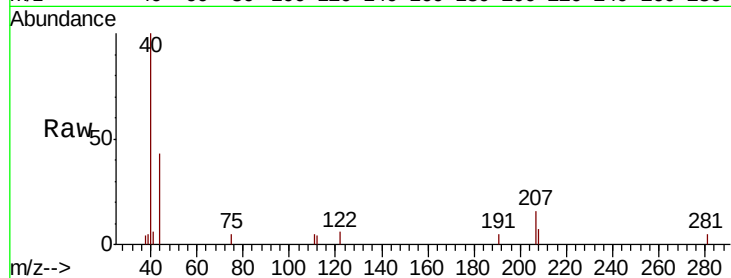
Tot Ion: 75 Resp: 122

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

