

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064381.D
 Acq On : 26 Nov 2019 13:50
 Operator : VA/SY
 Sample : K5999-03RE
 Misc : 5.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 27 05:50:53 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	7.99	168	767219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1128490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	970528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	433260	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	299234	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
35) Dibromofluoromethane	7.92	113	333949	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
50) Toluene-d8	10.34	98	1319447	53.99	ug/l	0.00
Spiked Amount			Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.64	95	400577	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	

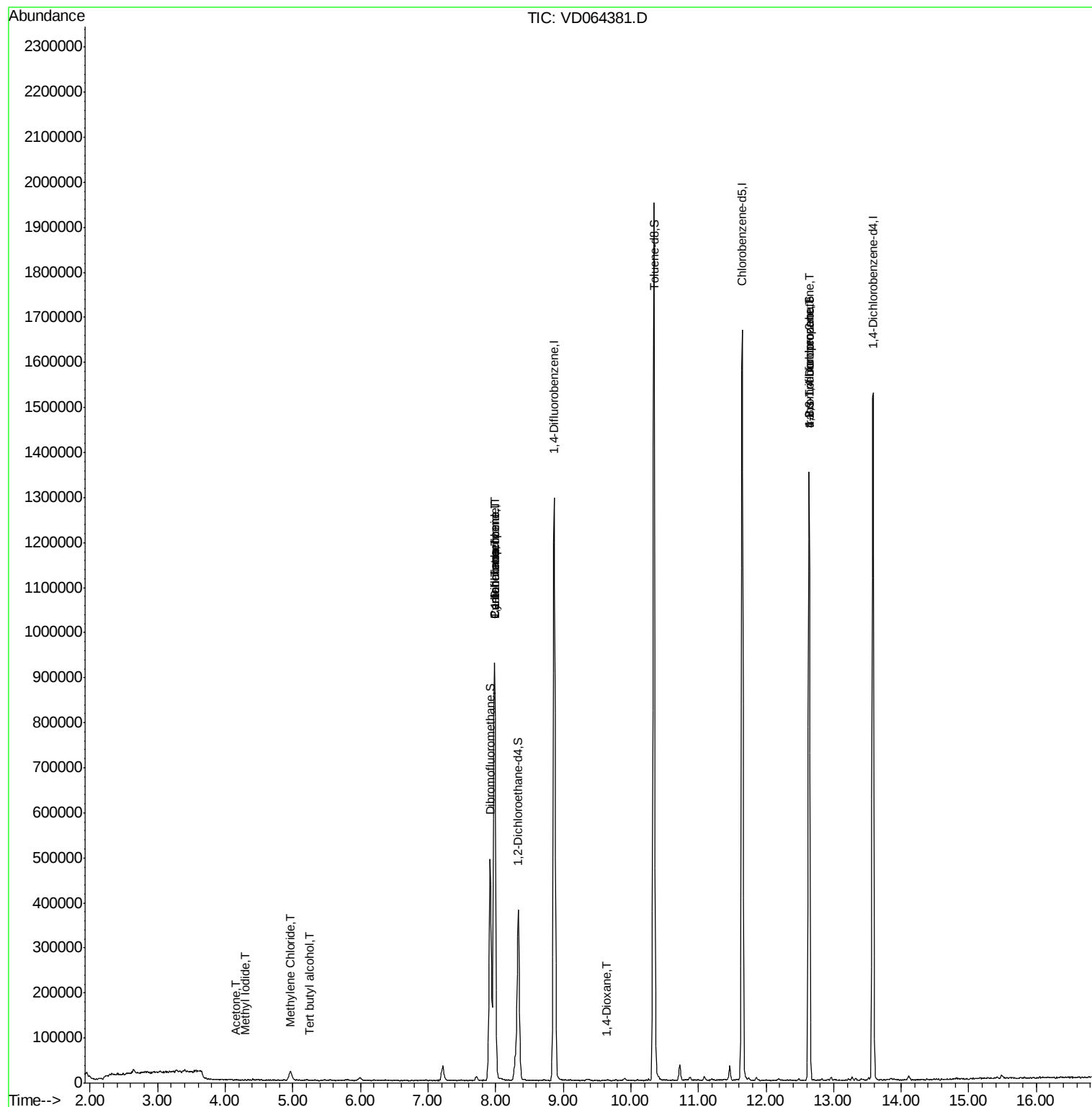
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	202	2.056	ug/l #	83
11) Tert butyl alcohol	5.25	59	446	1.012	ug/l #	69
16) Acetone	4.16	43	1581	1.058	ug/l #	45
20) Methylene Chloride	4.96	84	14480	1.918	ug/l #	87
31) Cyclohexane	7.98	56	15942	1.287	ug/l #	22
36) 1,1-Dichloropropene	7.98	75	53025	5.091	ug/l #	49
38) Carbon Tetrachloride	7.99	117	71260	6.394	ug/l #	16
49) 1,4-Dioxane	9.63	88	57	1.280	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	209474	60.025	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	209474	119.233	ug/l #	10

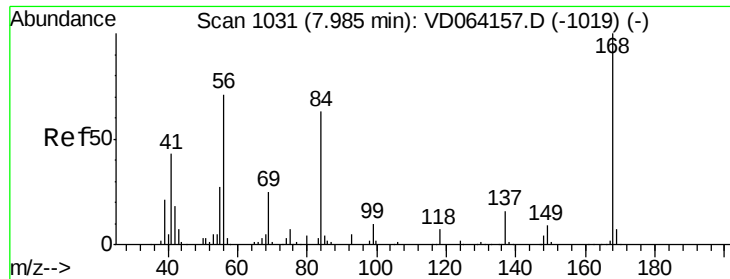
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 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: VD064381.D

Acq: 26 Nov 2019 13:50

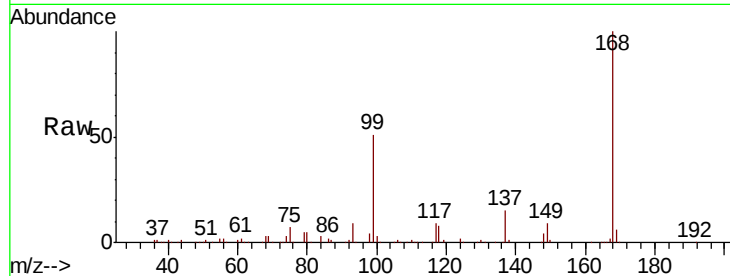
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 767219

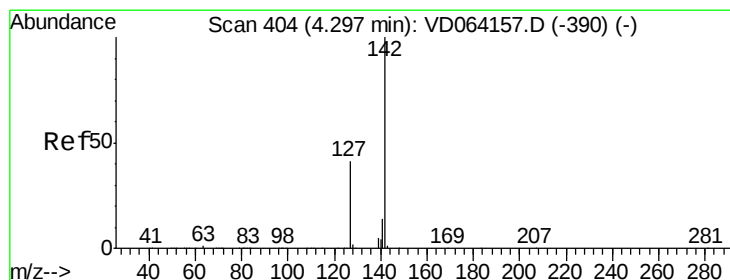
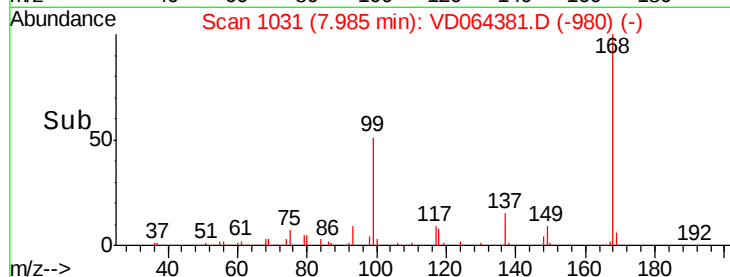
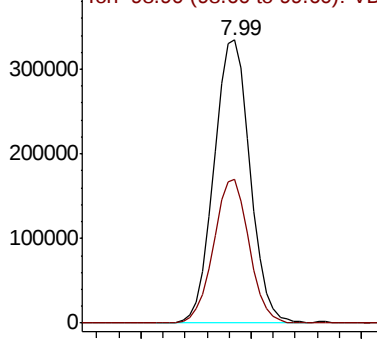
Ion Ratio Lower Upper

168 100

99 50.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.056 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064381.D

Acq: 26 Nov 2019 13:50

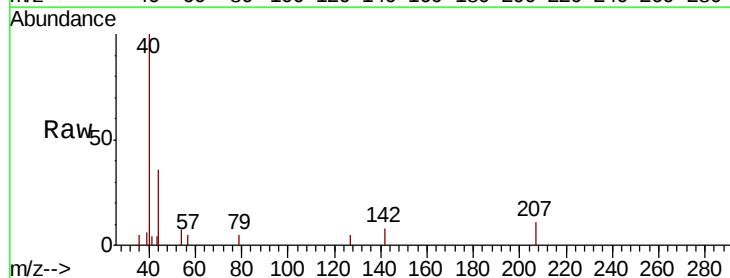
Tgt Ion:142 Resp: 202

Ion Ratio Lower Upper

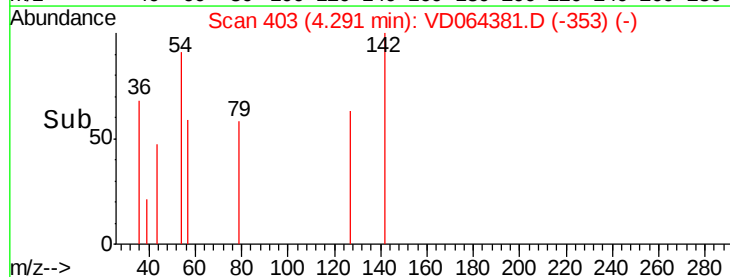
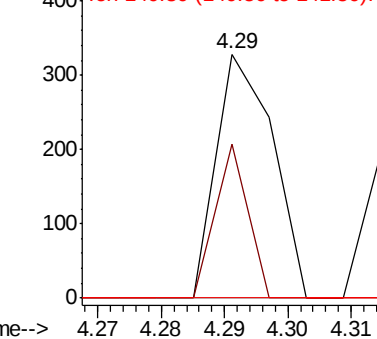
142 100

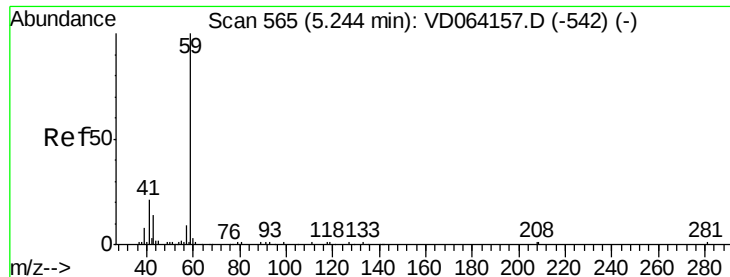
127 36.1 34.4 51.6

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

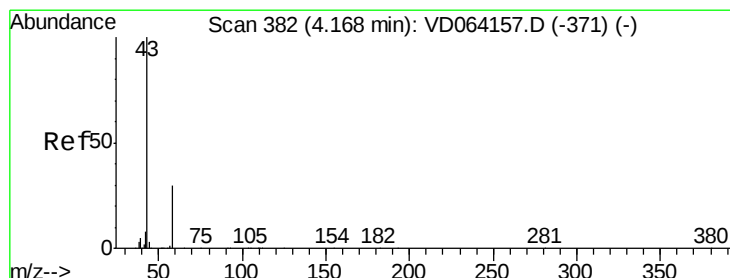
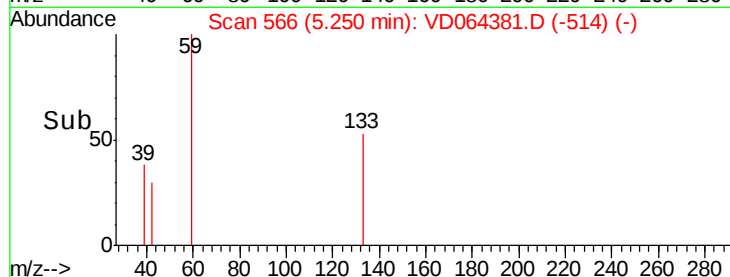
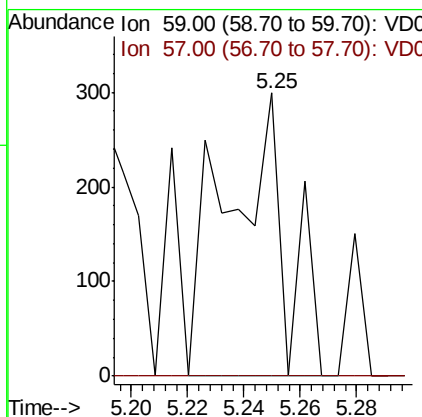
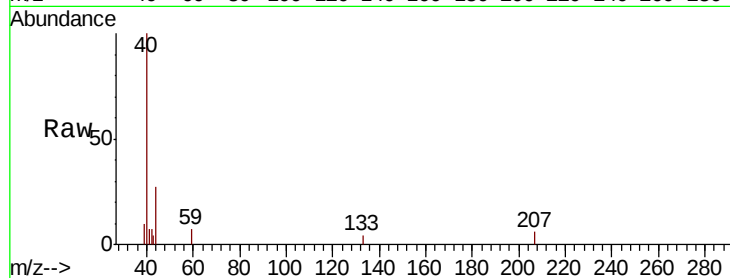




#11
Tert butyl alcohol
Concen: 1.012 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

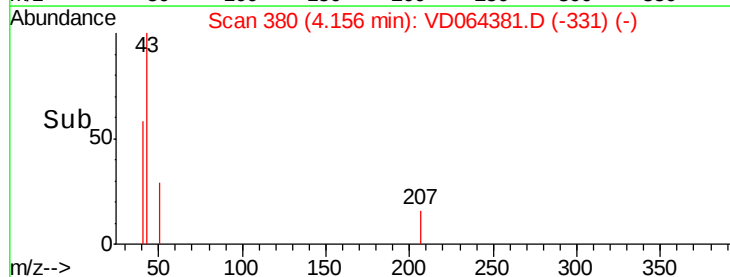
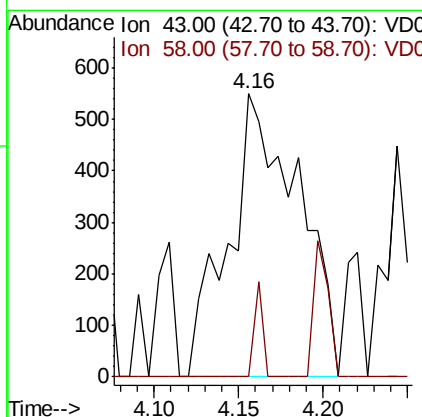
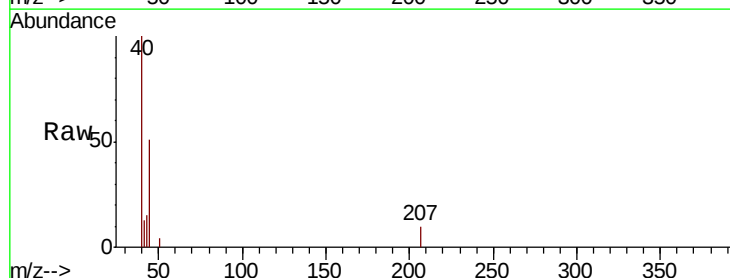
Instrument :
MSVOA_D
ClientSampleID :

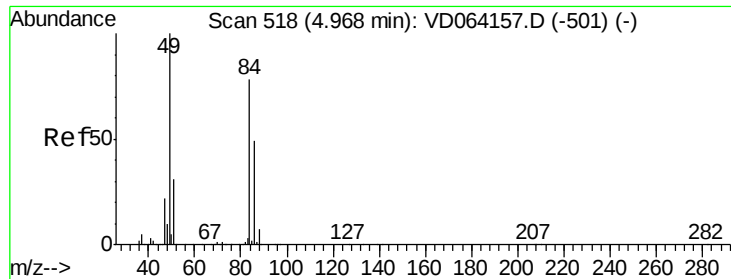
Tot Ion: 59 Resp: 446
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#



#16
Acetone
Concen: 1.058 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

Tgt Ion: 43 Resp: 1581
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#

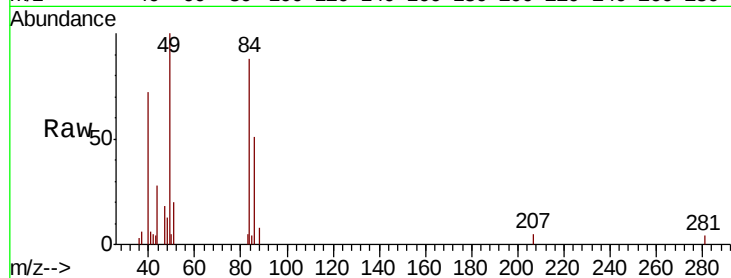




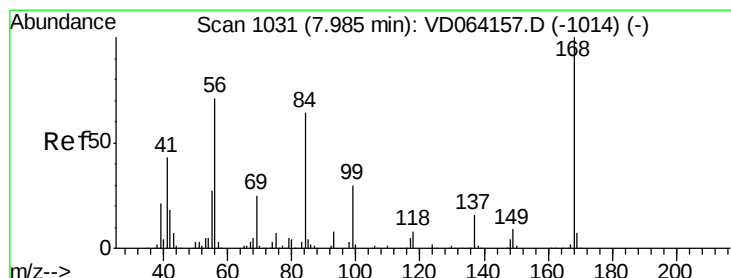
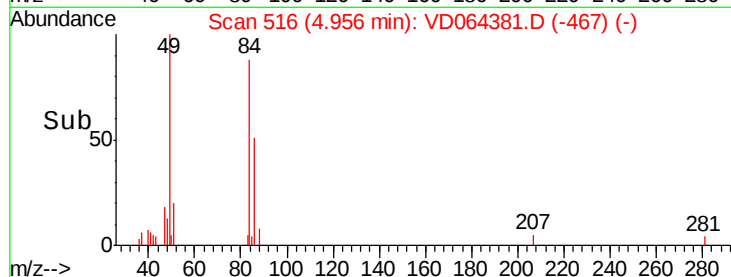
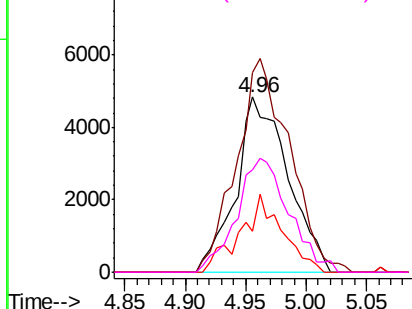
#20
Methvlene Chloride
Concen: 1.918 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 14480
Ion Ratio Lower Upper
84 100
49 114.0 102.1 153.1
51 23.2 32.2 48.2#
86 58.4 49.9 74.9

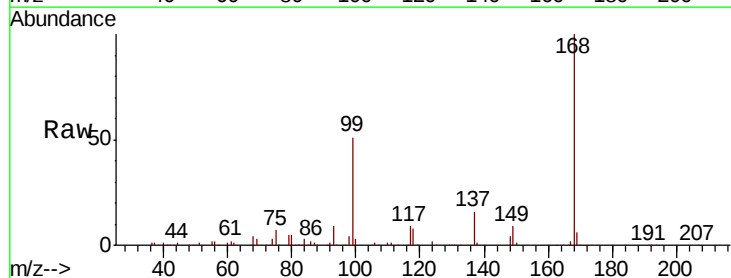


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

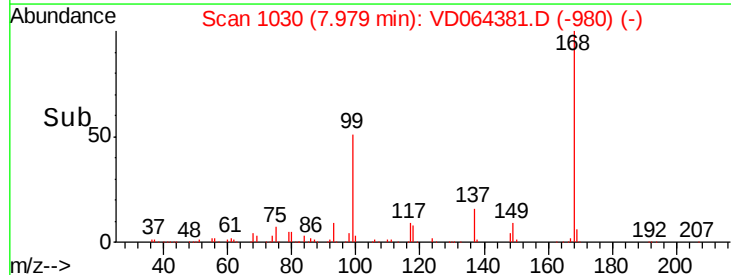
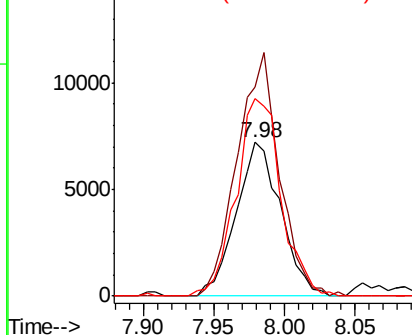


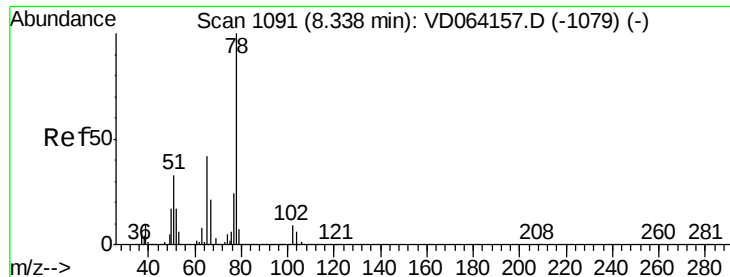
#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

Tgt Ion: 56 Resp: 15942
Ion Ratio Lower Upper
56 100
69 136.0 28.2 42.4#
84 128.2 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: 47.423 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064381.D

Acq: 26 Nov 2019 13:50

Instrument :

MSVOA_D

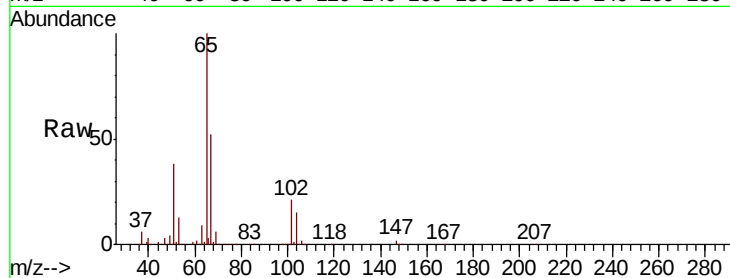
ClientSampleId :

Tot Ion: 65 Resp: 299234

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): V

Ion 66.90 (66.60 to 67.60): V

8.33

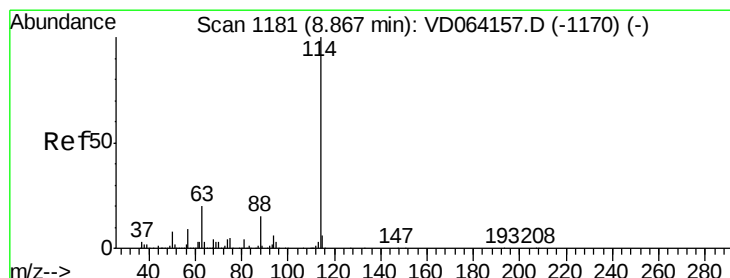
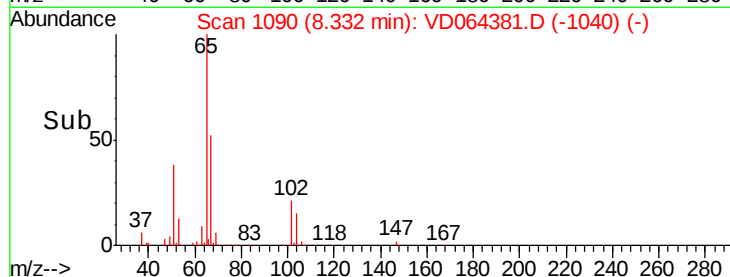
150000

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064381.D

Acq: 26 Nov 2019 13:50

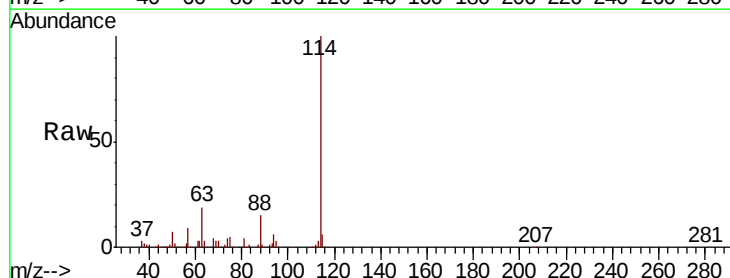
Tgt Ion: 114 Resp: 1128490

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.0

88 14.9 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

8.87

800000

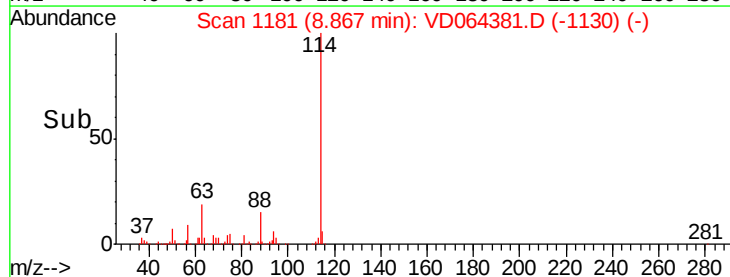
600000

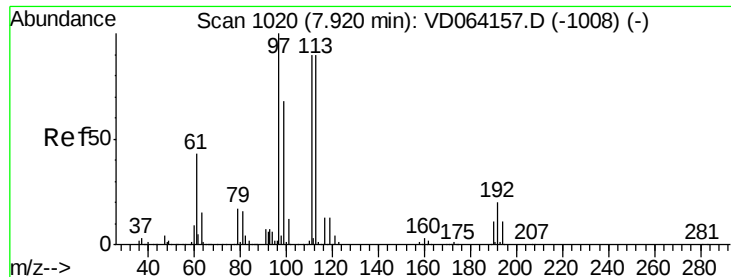
400000

200000

0

Time--> 8.80 8.90 9.00

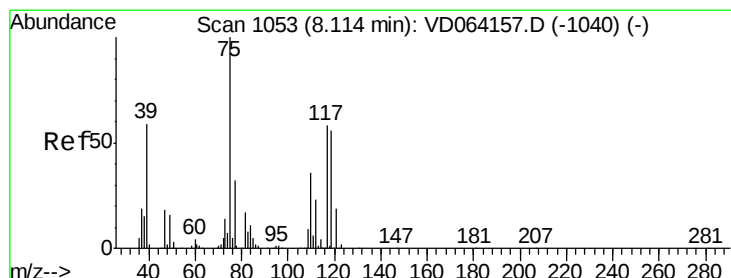
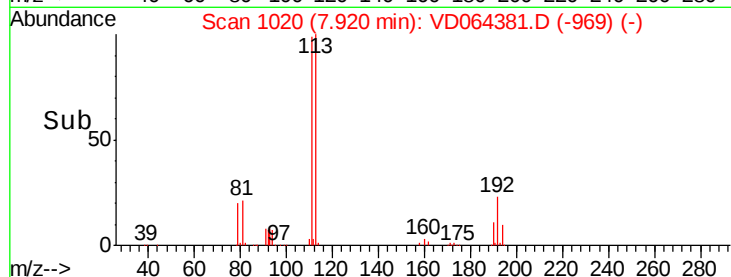
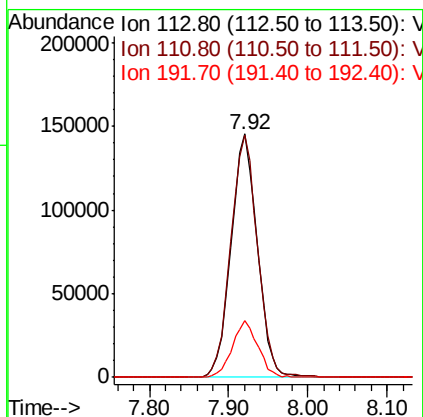
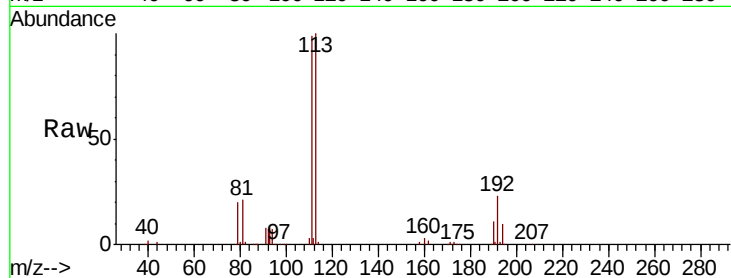




#35
 Dibromofluoromethane
 Concen: 51.553 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064381.D
 Acq: 26 Nov 2019 13:50

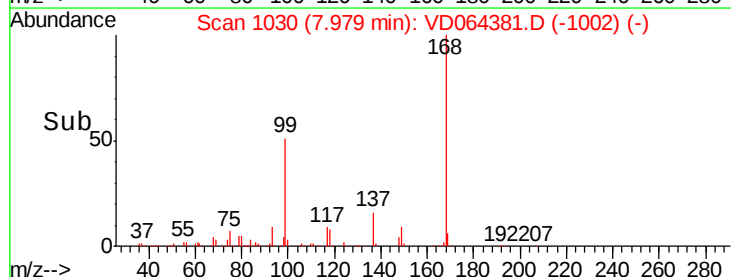
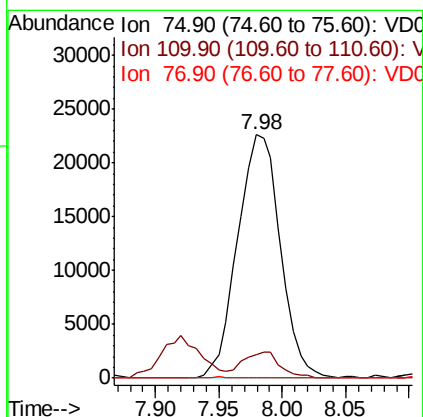
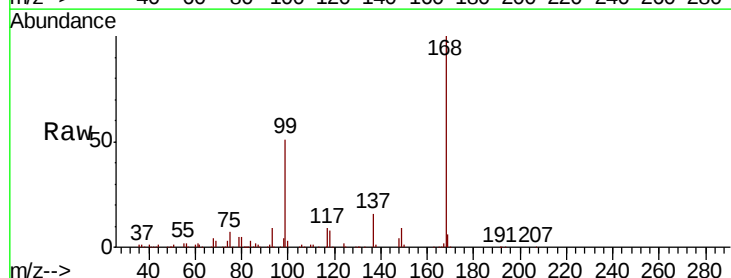
Instrument :
 MSVOA_D
 ClientSampleId :

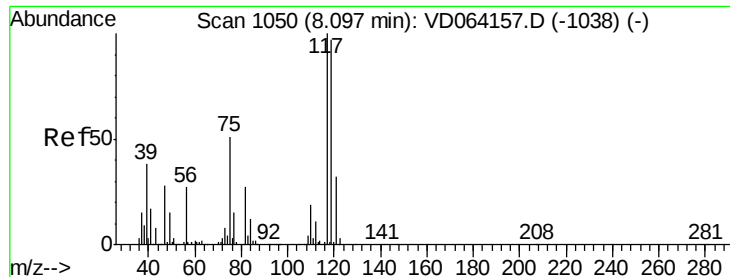
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	22.7	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.091 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064381.D
 Acq: 26 Nov 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.3	54.9#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.394 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064381.D

Acq: 26 Nov 2019 13:50

Instrument :

MSVOA_D

ClientSampleId :

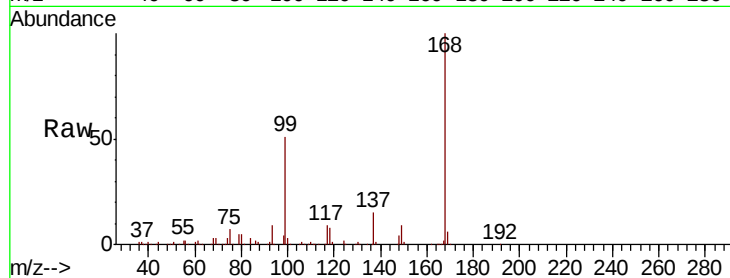
Tot Ion:117 Resp: 71260

Ion Ratio Lower Upper

117 100

119 5.3 77.2 115.8#

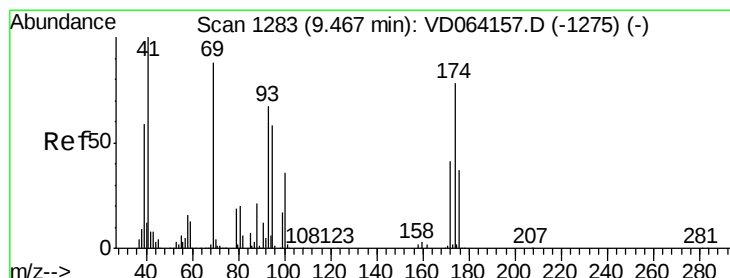
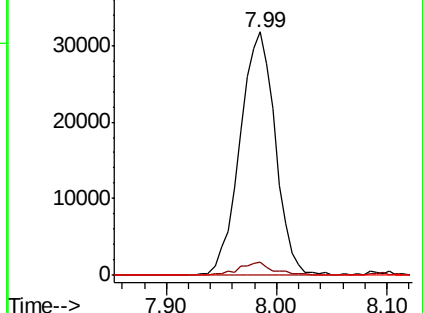
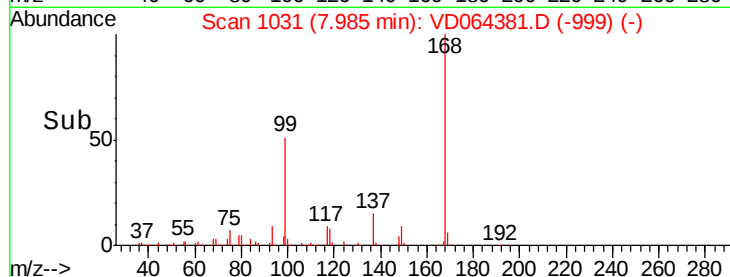
121 0.0 25.5 38.3#



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



#49

1,4-Dioxane

Concen: 1.280 ug/l

RT: 9.63 min Scan# 1311

Delta R.T. 0.16 min

Lab File: VD064381.D

Acq: 26 Nov 2019 13:50

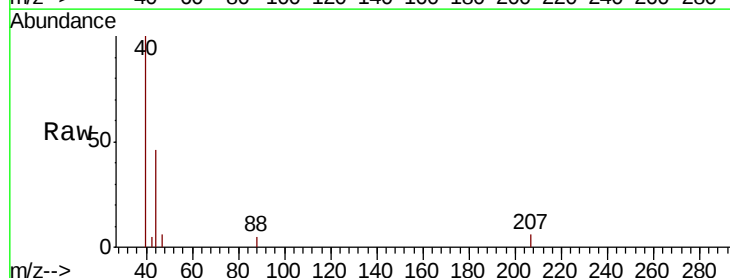
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 350.9 29.8 44.8#

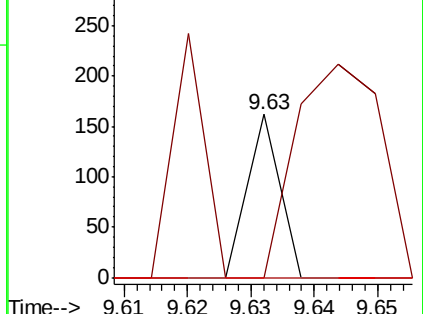
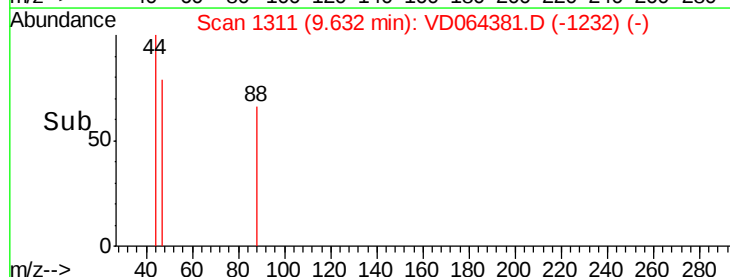
58 0.0 58.1 87.1#

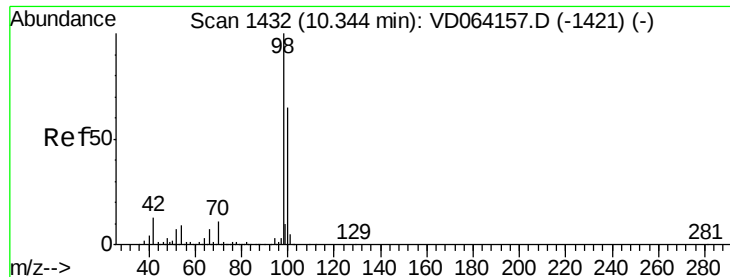


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

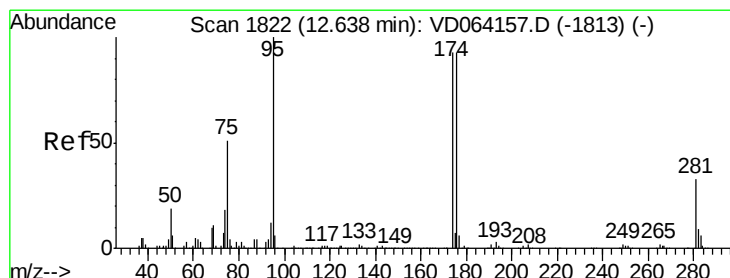
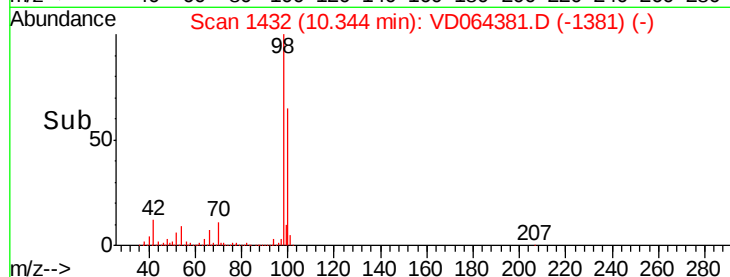
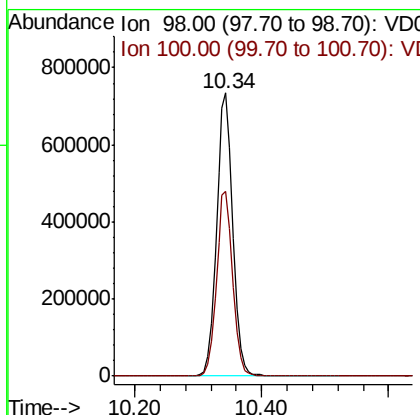
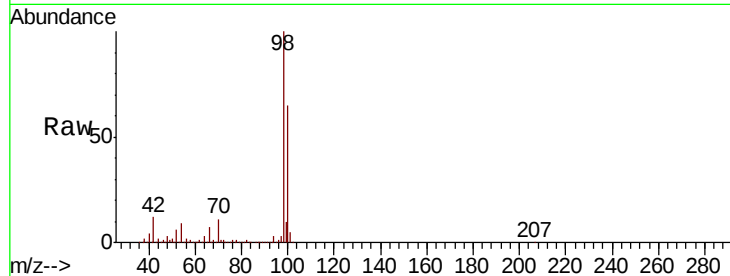




#50
Toluene-d8
Concen: 53.994 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

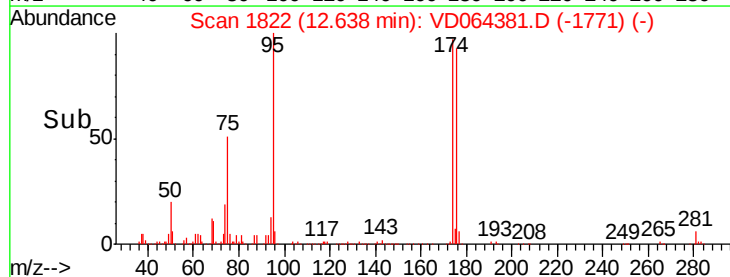
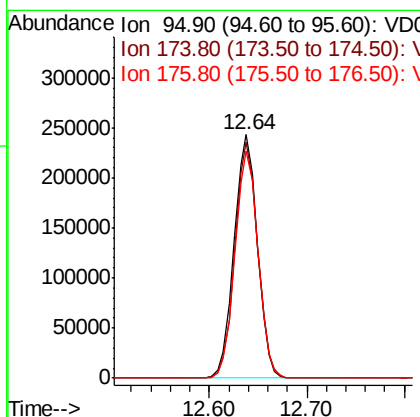
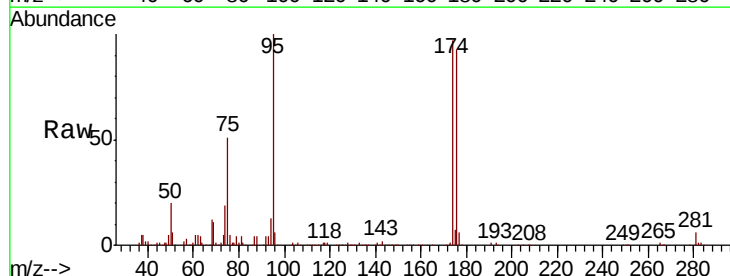
Instrument :
MSVOA_D
ClientSampled :

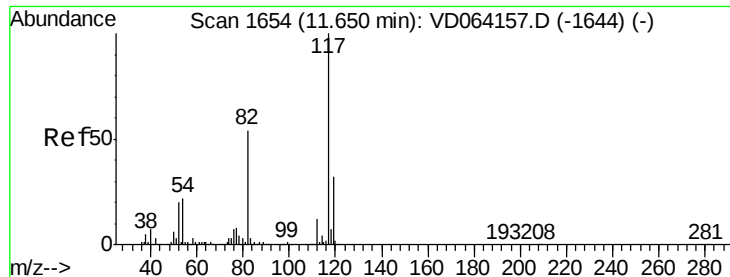
Tot Ion: 98 Resp: 1319447
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.335 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

Tgt Ion: 95 Resp: 400577
Ion Ratio Lower Upper
95 100
174 95.2 0.0 183.6
176 92.7 0.0 180.2

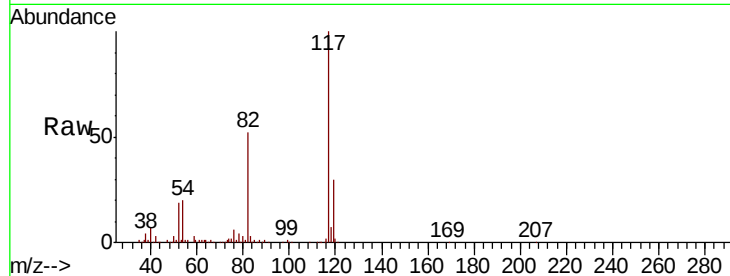




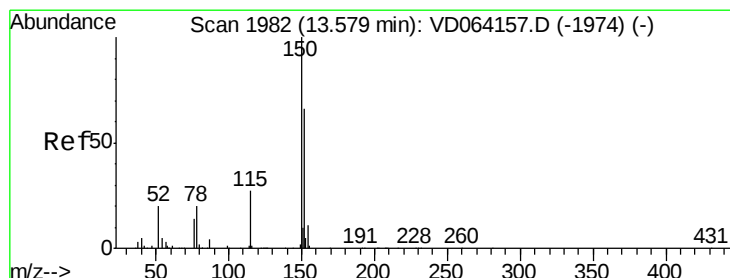
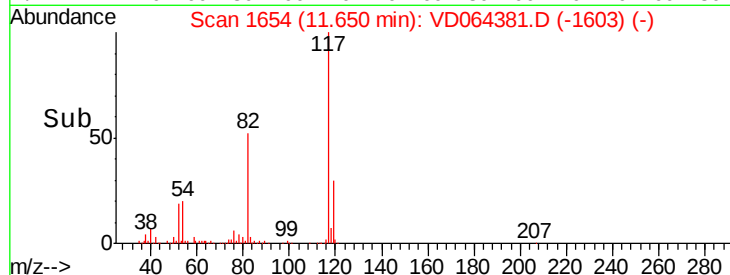
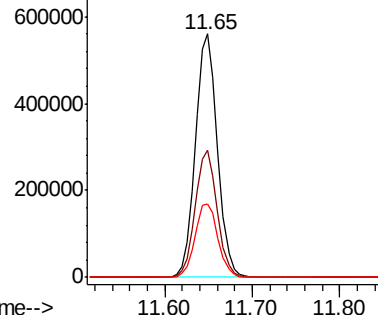
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.8	64.2
119	30.3	25.6	38.4

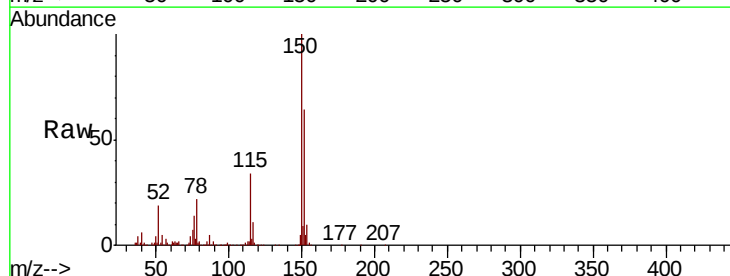


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

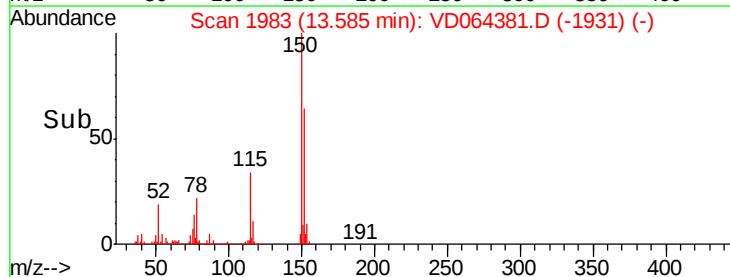
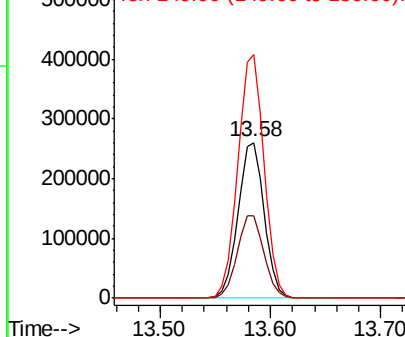


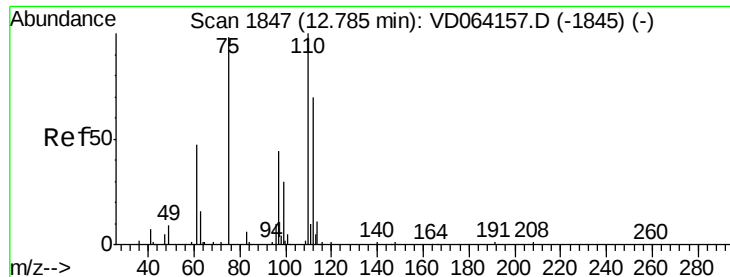
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064381.D
Acq: 26 Nov 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.4	82.2
150	156.7	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: 60.025 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064381.D

Acq: 26 Nov 2019 13:50

Instrument :

MSVOA_D

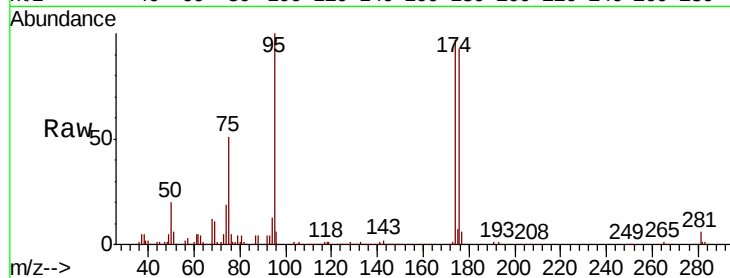
ClientSampleId :

Tot Ion: 75 Resp: 209474

Ion Ratio Lower Upper

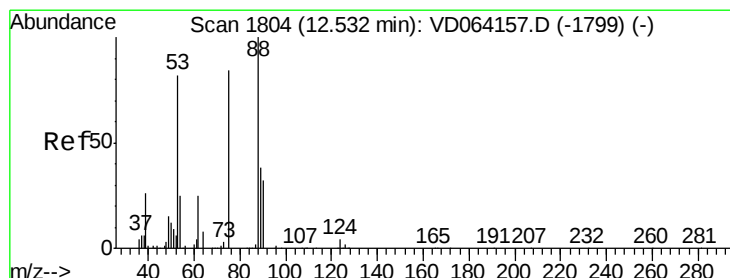
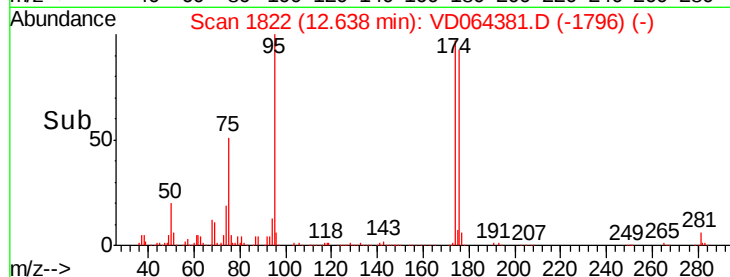
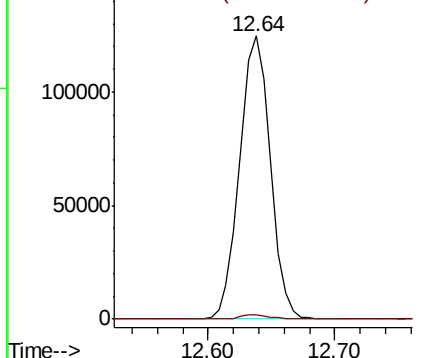
75 100

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: 119.233 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064381.D

Acq: 26 Nov 2019 13:50

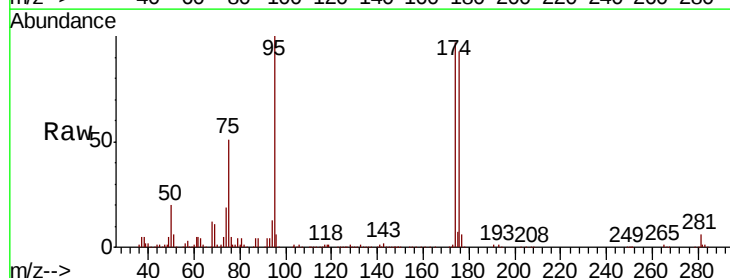
Tgt Ion: 75 Resp: 209474

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

