

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065295.D
 Acq On : 24 Feb 2020 15:27
 Operator : VA/SY
 Sample : L1635-14
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:23:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	589702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	976041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	871518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	378309	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	290579	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
35) Dibromofluoromethane	7.92	113	311843	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
50) Toluene-d8	10.34	98	1176784	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.64	95	343509	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	

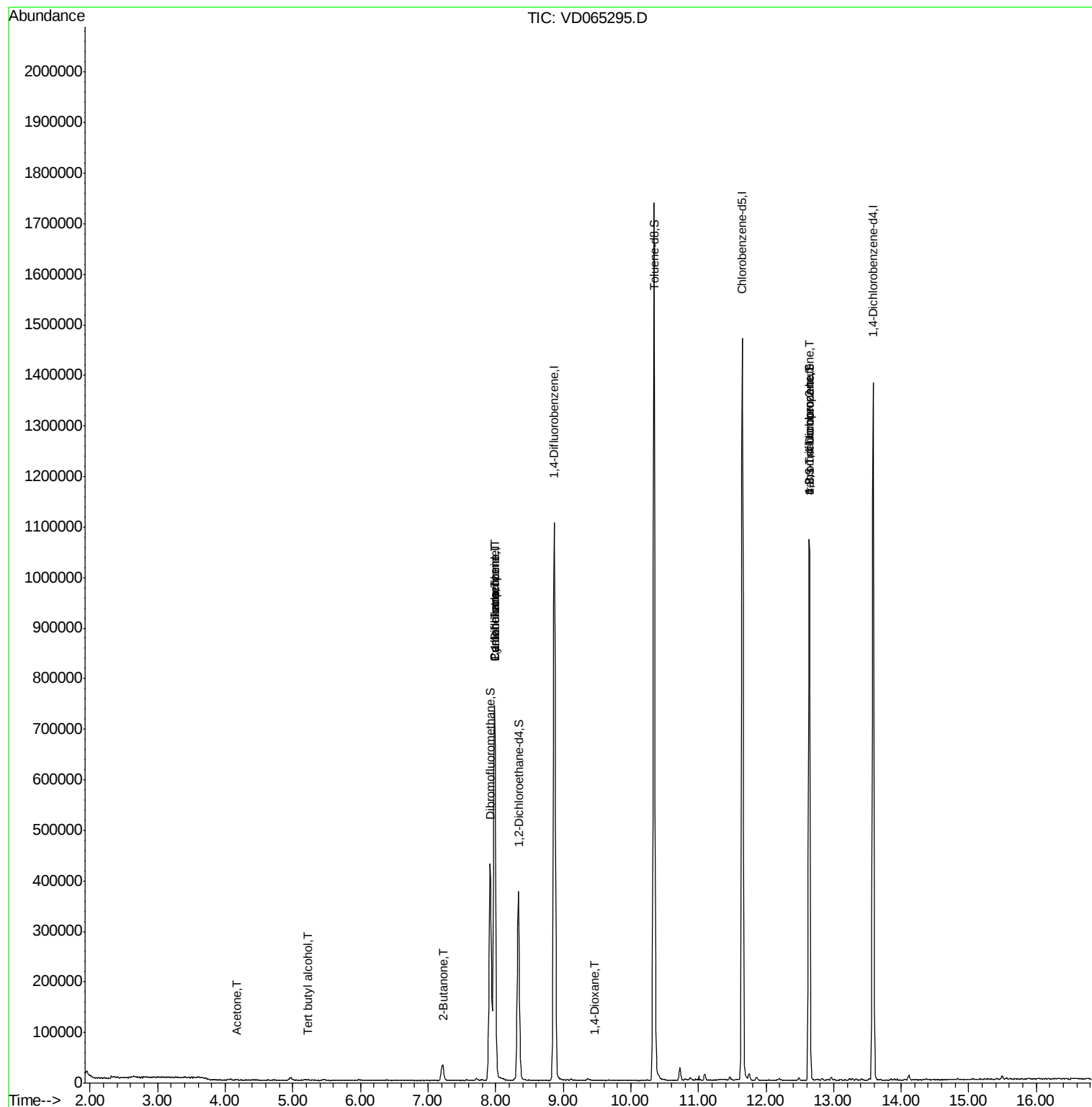
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	1261	3.978	ug/l #	72
16) Acetone	4.17	43	2547	1.964	ug/l #	82
20) Methylene Chloride	4.96	84	3759	Below Cal	#	79
25) 2-Butanone	7.22	43	2195	1.338	ug/l #	49
31) Cyclohexane	7.98	56	13255	1.271	ug/l #	5
36) 1,1-Dichloropropene	7.99	75	42875	4.515	ug/l #	49
38) Carbon Tetrachloride	7.99	117	55560	5.747	ug/l #	16
49) 1,4-Dioxane	9.47	88	53	1.318	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	167754	52.118	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	167754	112.531	ug/l #	11

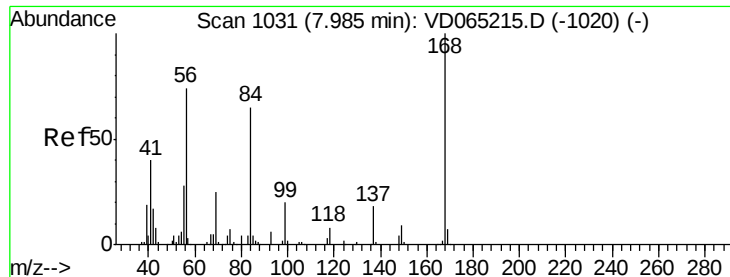
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 19 03:26:54 2020
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: VD065295.D

Acq: 24 Feb 2020 15:27

Instrument :

MSVOA_D

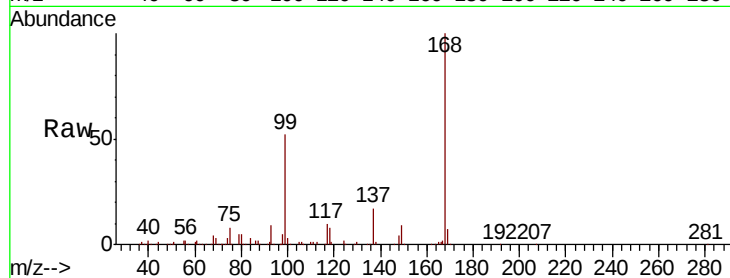
ClientSampleId :

Tot Ion:168 Resp: 589702

Ion Ratio Lower Upper

168 100

99 51.6 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

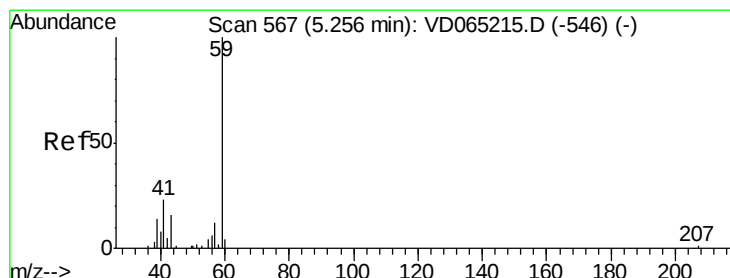
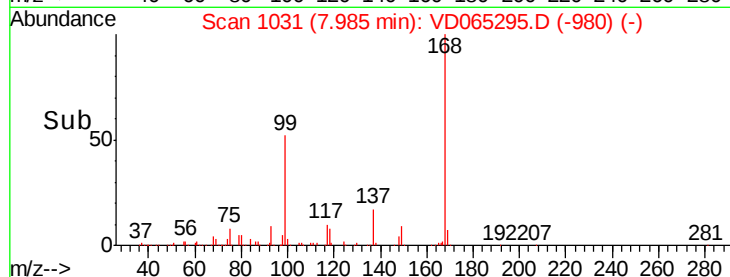
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.978 ug/l

RT: 5.23 min Scan# 563

Delta R.T. -0.02 min

Lab File: VD065295.D

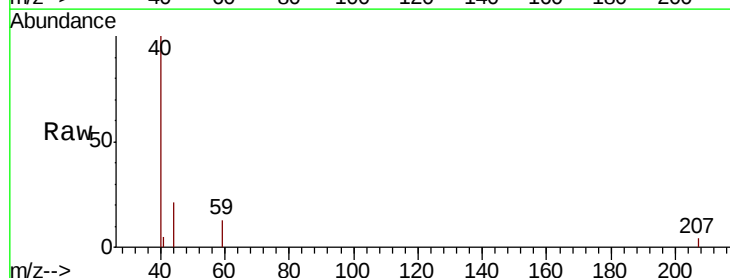
Acq: 24 Feb 2020 15:27

Tgt Ion: 59 Resp: 1261

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

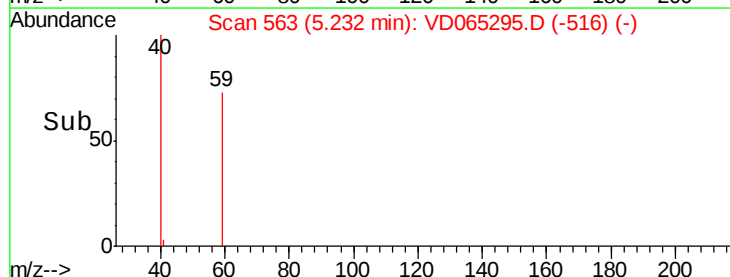
600

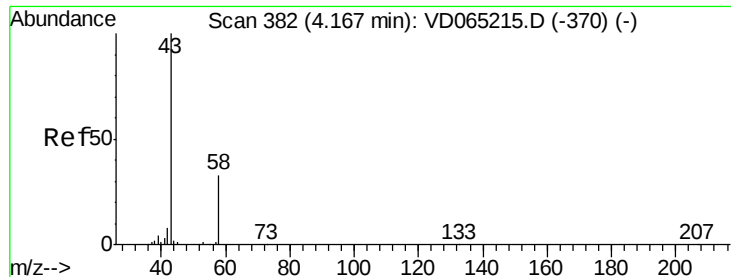
400

200

0

Time-->





#16

Acetone

Concen: 1.964 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

Instrument :

MSVOA_D

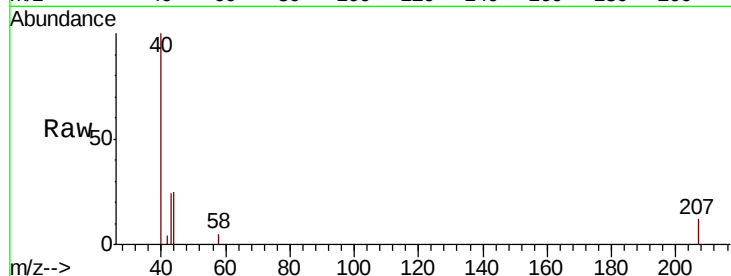
ClientSampleId :

Tot Ion: 43 Resp: 2547

Ion Ratio Lower Upper

43 100

58 22.4 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1200

1000

800

600

400

200

0

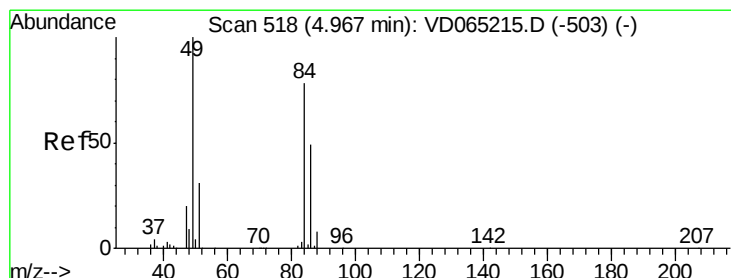
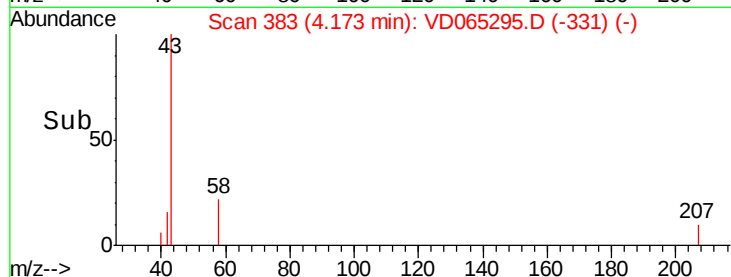
4.10

4.15

4.20

4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

Tgt Ion: 84 Resp: 3759

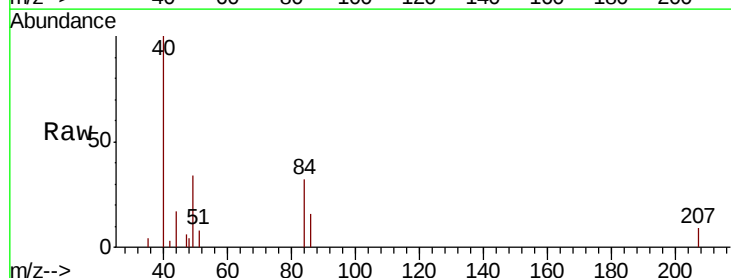
Ion Ratio Lower Upper

84 100

49 106.0 103.1 154.7

51 24.3 31.7 47.5#

86 48.3 50.9 76.3#



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

2500

2000

1500

1000

500

0

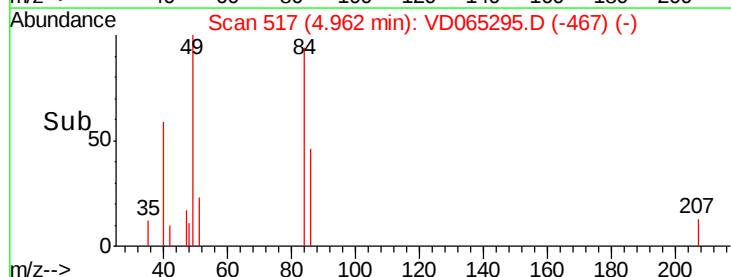
4.90

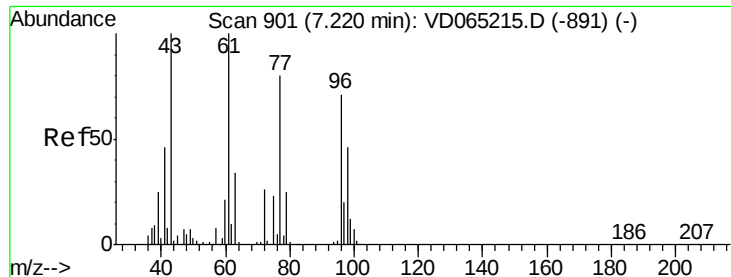
4.95

5.00

5.05

Time-->





#25

2-Butanone

Concen: 1.338 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

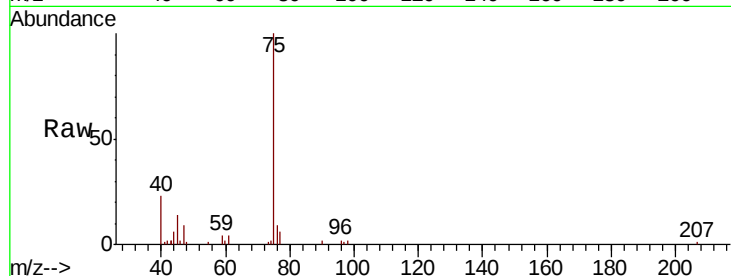
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2195

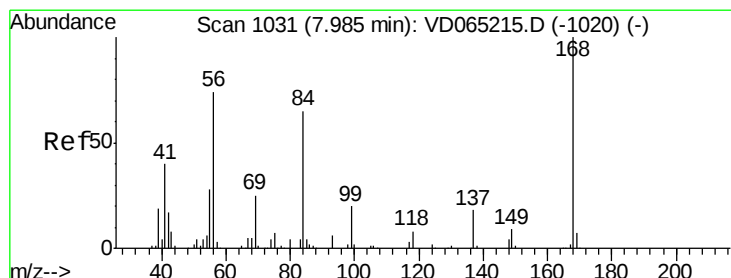
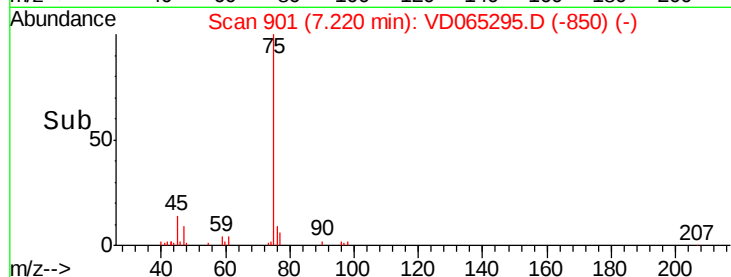
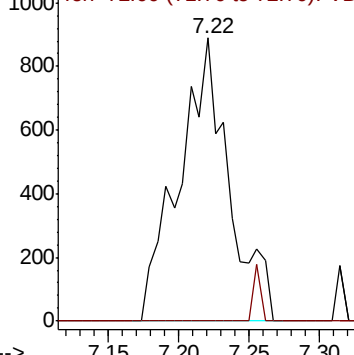
Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

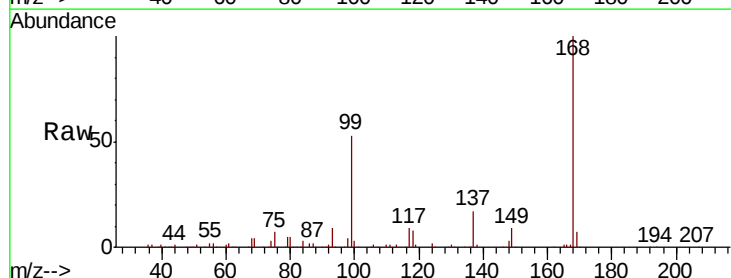
Tgt Ion: 56 Resp: 13255

Ion Ratio Lower Upper

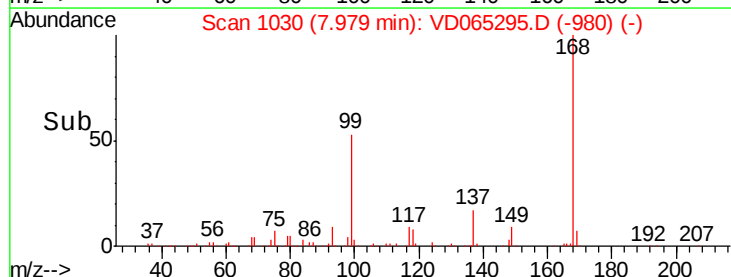
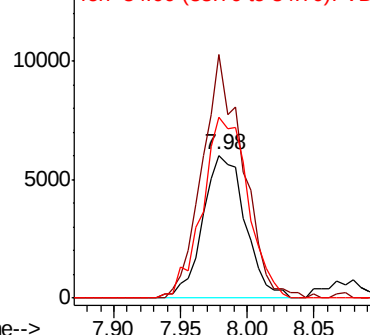
56 100

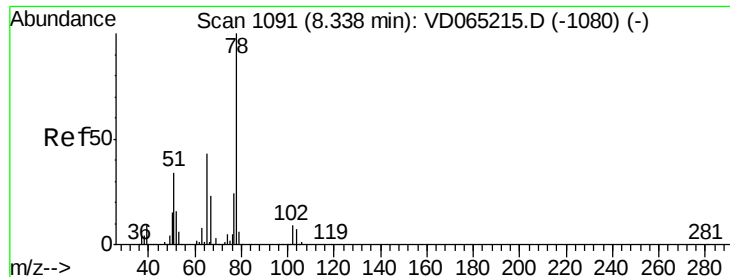
69 170.8 27.4 41.0#

84 126.6 71.1 106.7#



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: 54.774 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

Instrument :

MSVOA_D

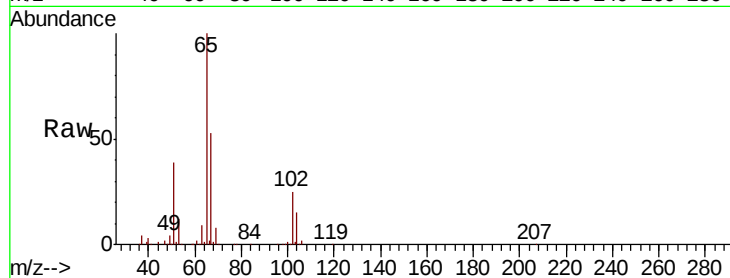
ClientSampleId :

Tot Ion: 65 Resp: 290579

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

150000

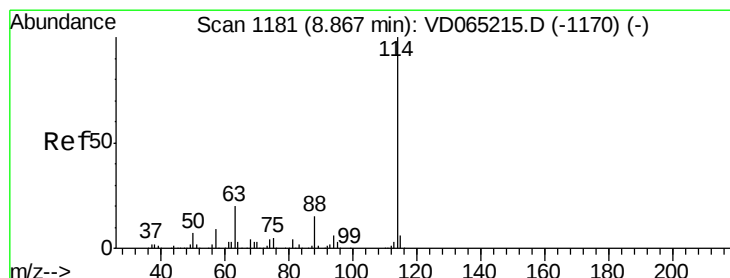
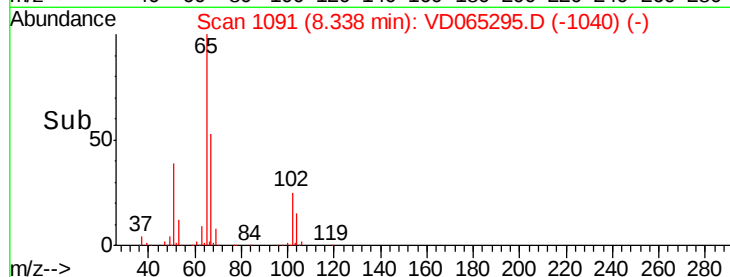
100000

50000

0

8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

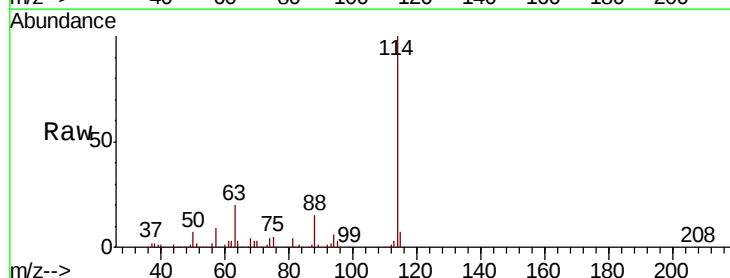
Tgt Ion: 114 Resp: 976041

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

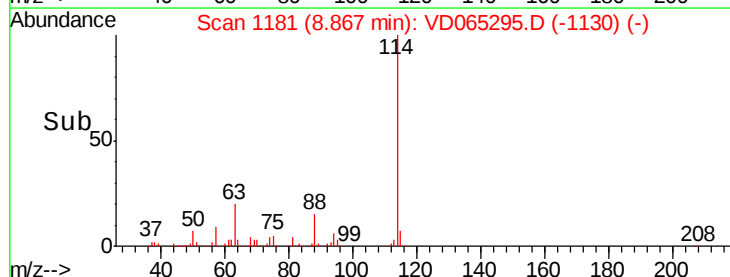
200000

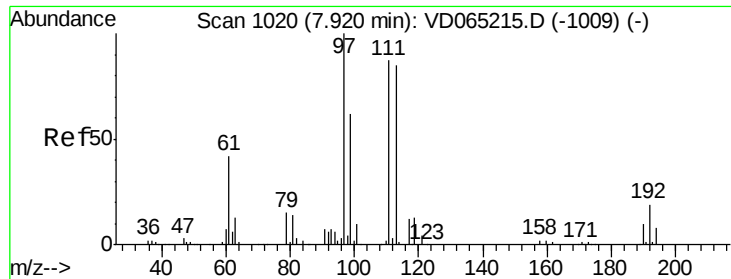
100000

0

8.80 8.90 9.00

Time-->

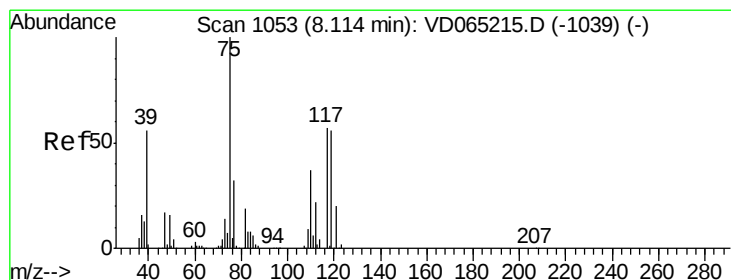
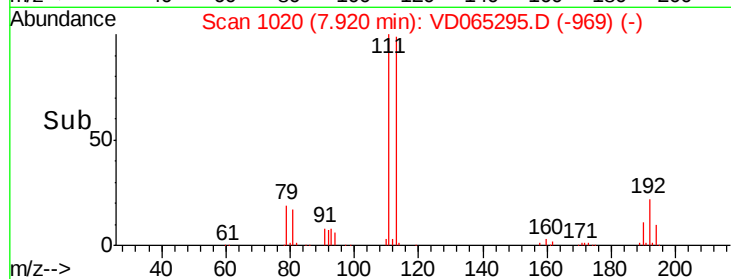
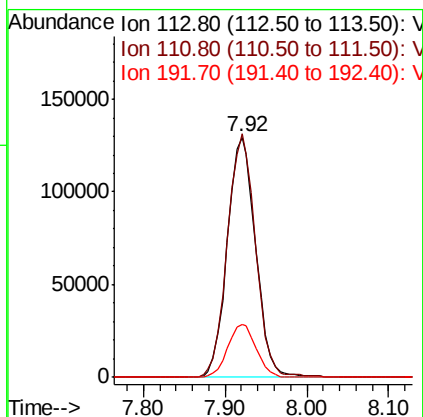
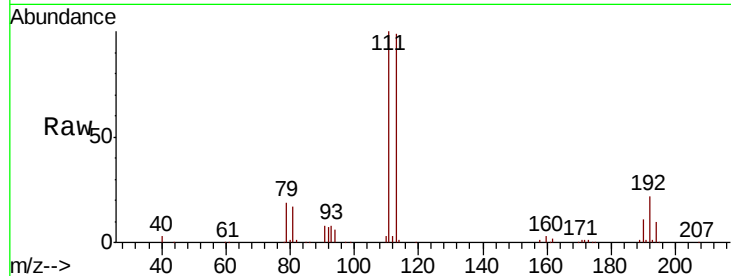




#35
 Dibromofluoromethane
 Concen: 52.399 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065295.D
 Acq: 24 Feb 2020 15:27

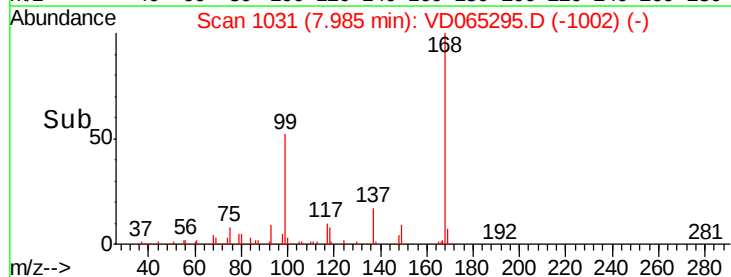
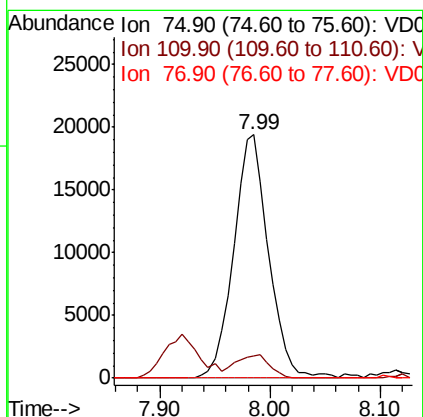
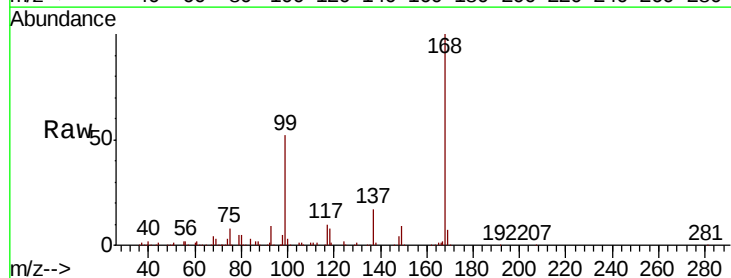
Instrument :
 MSVOA_D
 ClientSampleId :

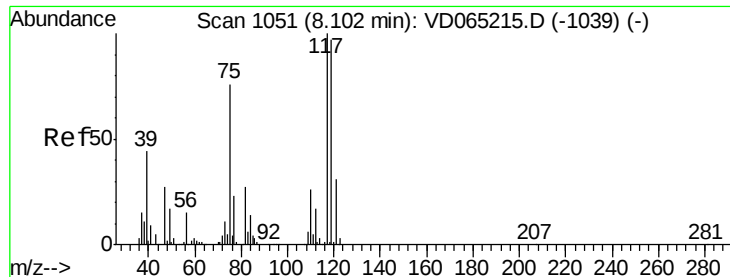
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.9	124.3
192	22.0	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.515 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065295.D
 Acq: 24 Feb 2020 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.9	53.7#
77	0.0	25.1	37.7#

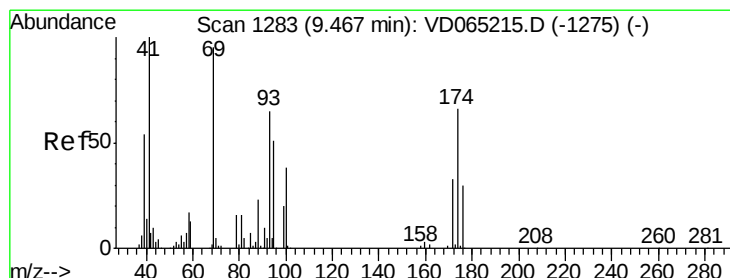
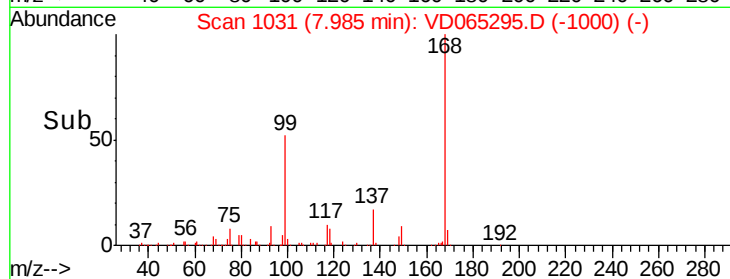
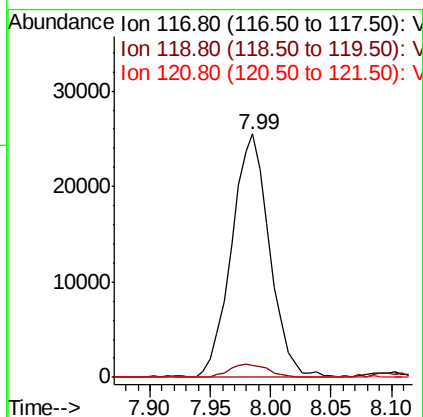
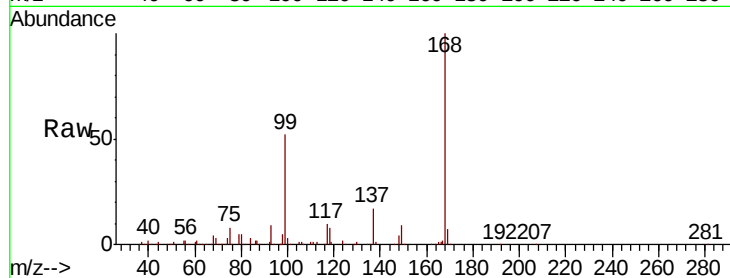




#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065295.D
Acq: 24 Feb 2020 15:27

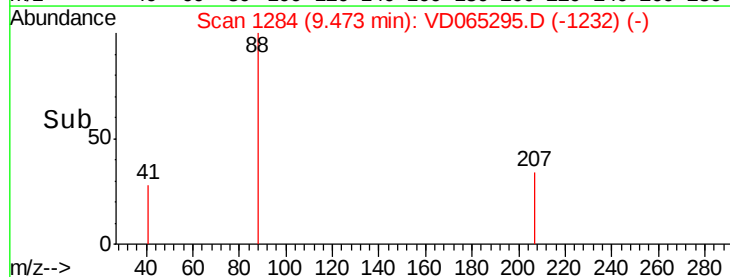
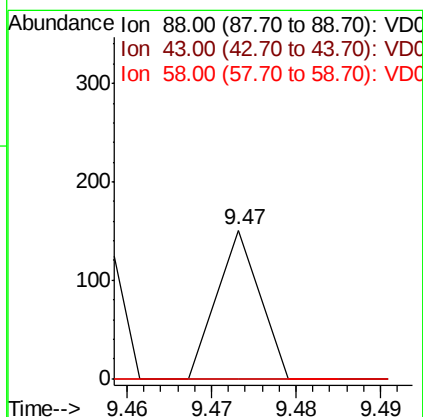
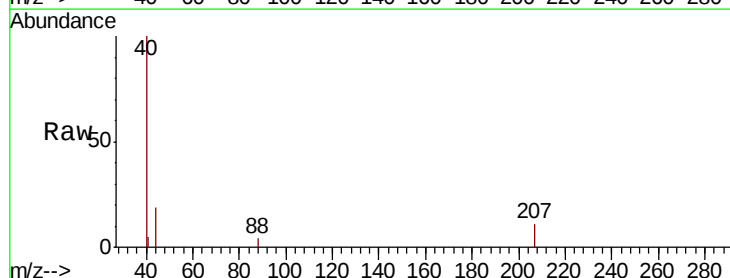
Instrument :
MSVOA_D
ClientSampleId :

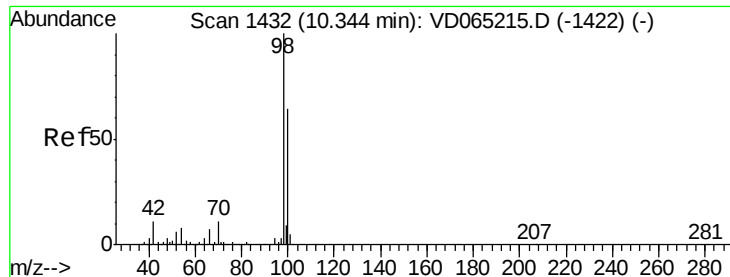
Tot Ion:117 Resp: 55560
Ion Ratio Lower Upper
117 100
119 5.2 77.6 116.4#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.318 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065295.D
Acq: 24 Feb 2020 15:27

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 28.5 42.7#
58 0.0 58.6 87.8#

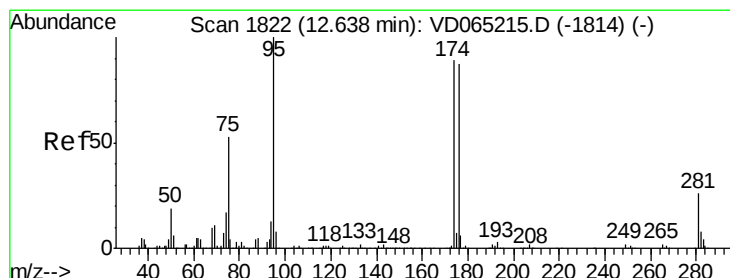
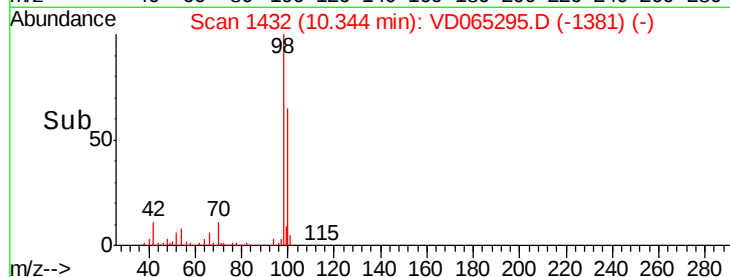
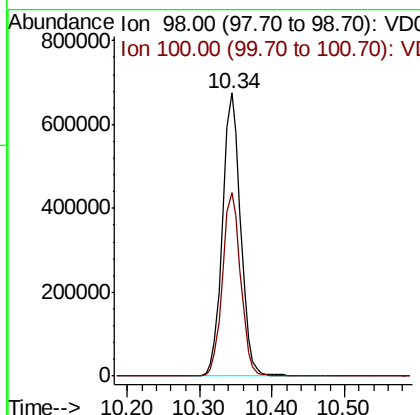
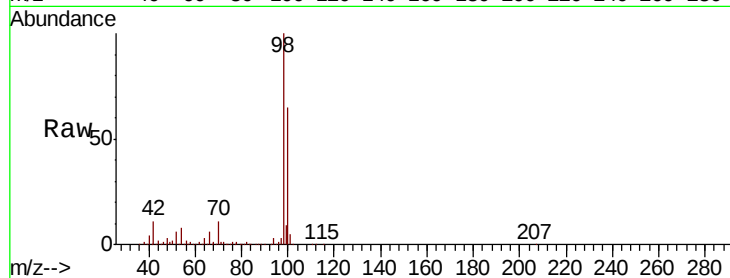




#50
Toluene-d8
Concen: 51.724 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065295.D
Acq: 24 Feb 2020 15:27

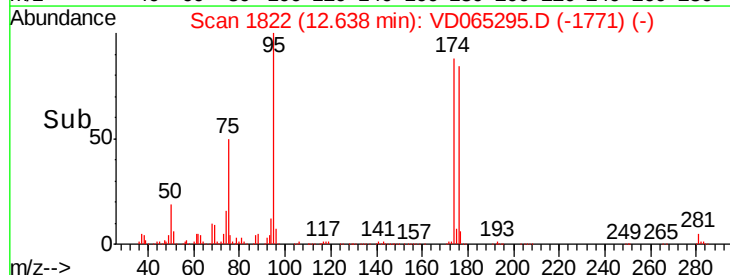
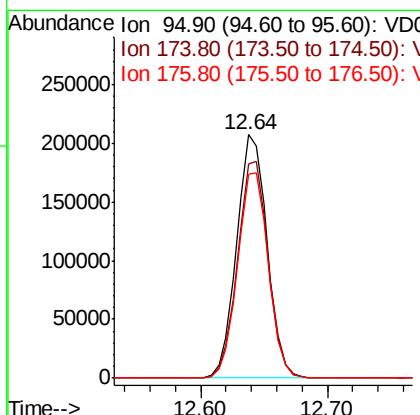
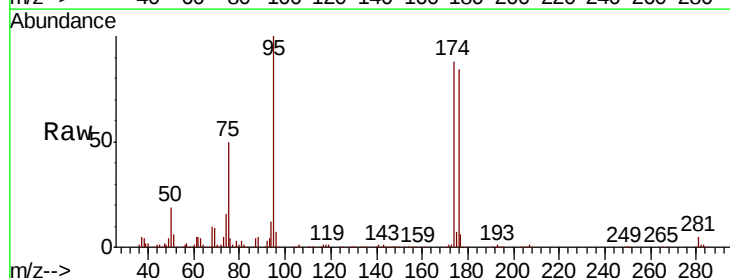
Instrument :
MSVOA_D
ClientSampleId :

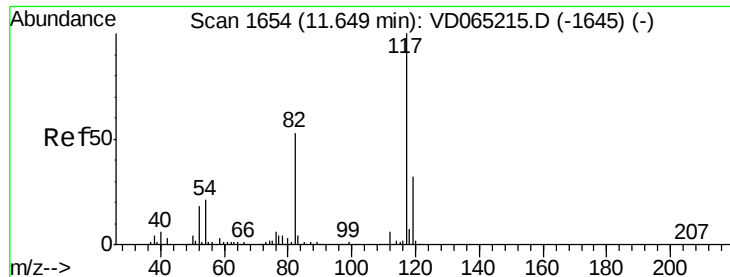
Tot Ion: 98 Resp: 1176784
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 47.660 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065295.D
Acq: 24 Feb 2020 15:27

Tgt Ion: 95 Resp: 343509
Ion Ratio Lower Upper
95 100
174 90.1 0.0 178.0
176 85.5 0.0 174.4

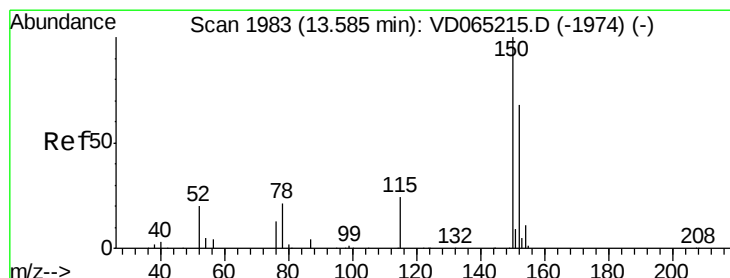
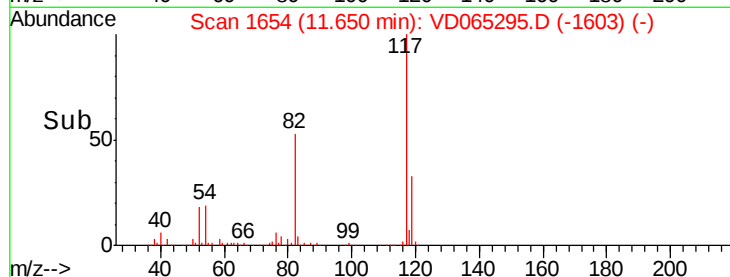
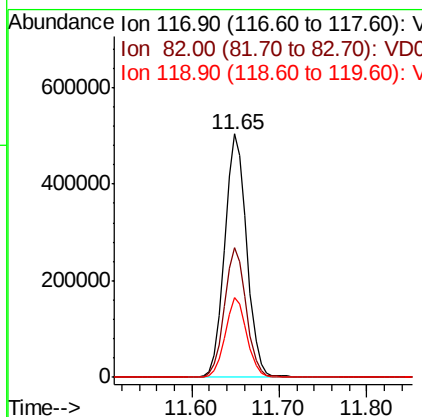
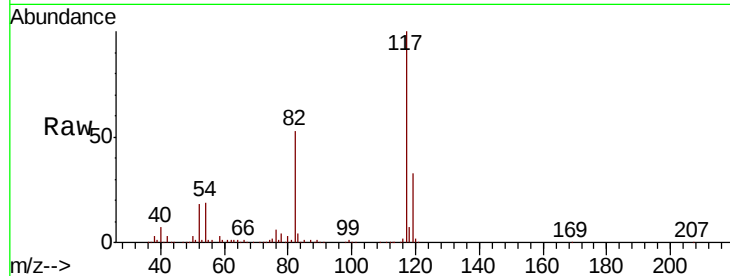




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065295.D
Acq: 24 Feb 2020 15:27

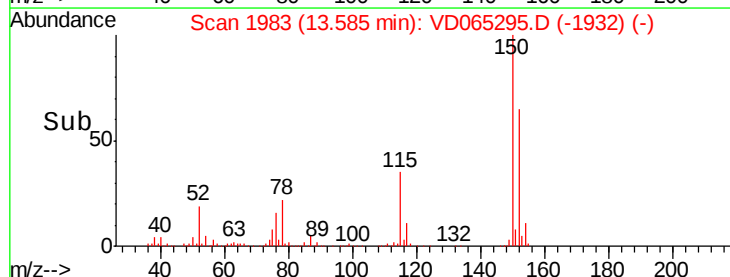
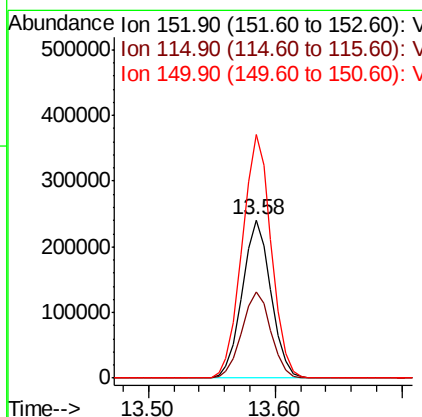
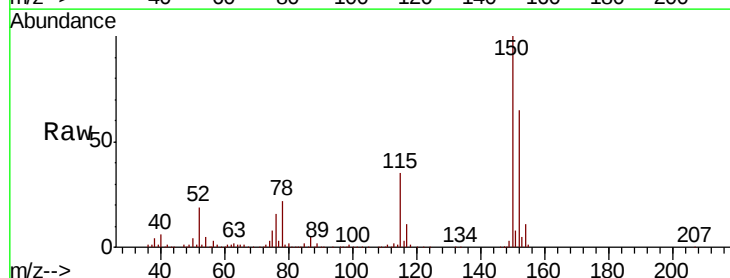
Instrument :
MSVOA_D
ClientSampleId :

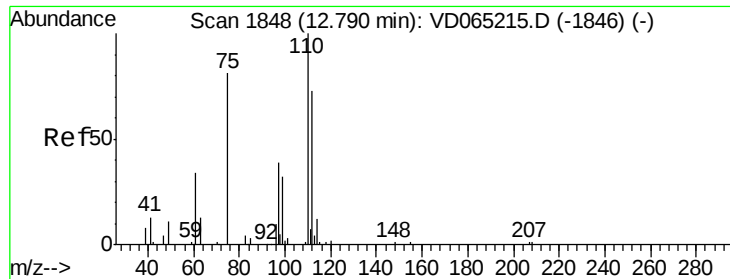
Tot Ion:117 Resp: 871518
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065295.D
Acq: 24 Feb 2020 15:27

Tgt Ion:152 Resp: 378309
Ion Ratio Lower Upper
152 100
115 55.1 27.6 82.8
150 156.2 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 52.118 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

Instrument :

MSVOA_D

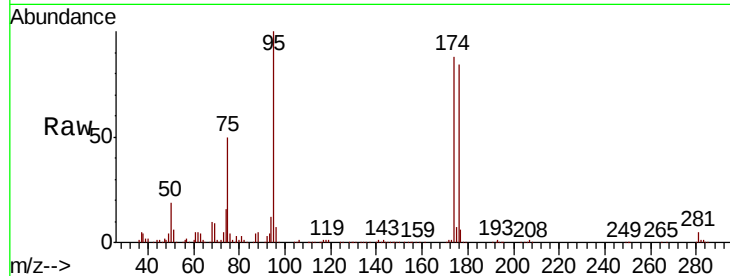
ClientSampleId :

Tot Ion: 75 Resp: 167754

Ion Ratio Lower Upper

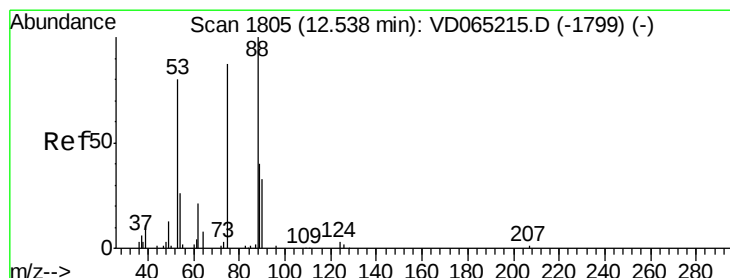
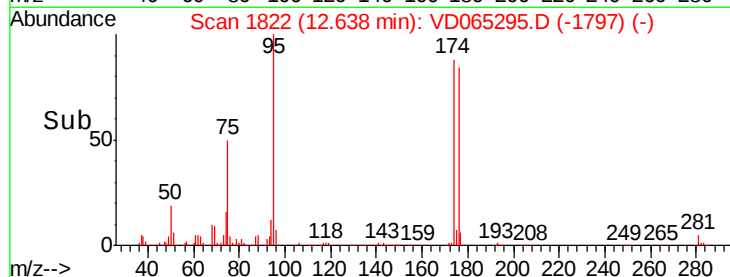
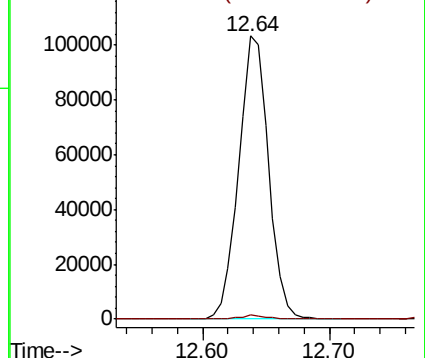
75 100

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: 112.531 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065295.D

Acq: 24 Feb 2020 15:27

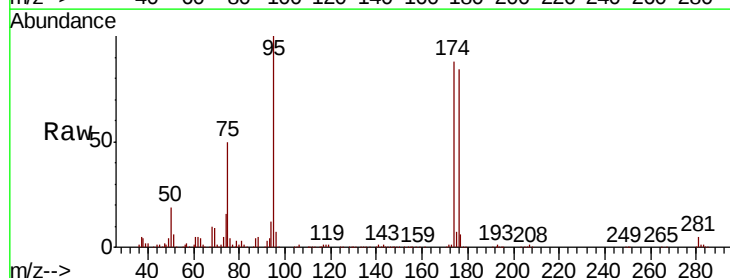
Tgt Ion: 75 Resp: 167754

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.2 55.8#



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

