

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065301.D
 Acq On : 24 Feb 2020 18:18
 Operator : VA/SY
 Sample : L1635-16RE
 Misc : 6.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 25 01:25:35 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	7.98	168	591726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	987629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	871617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	370819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	301765	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	7.92	113	315418	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	10.34	98	1182273	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.64	95	348200	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	

Target Compounds

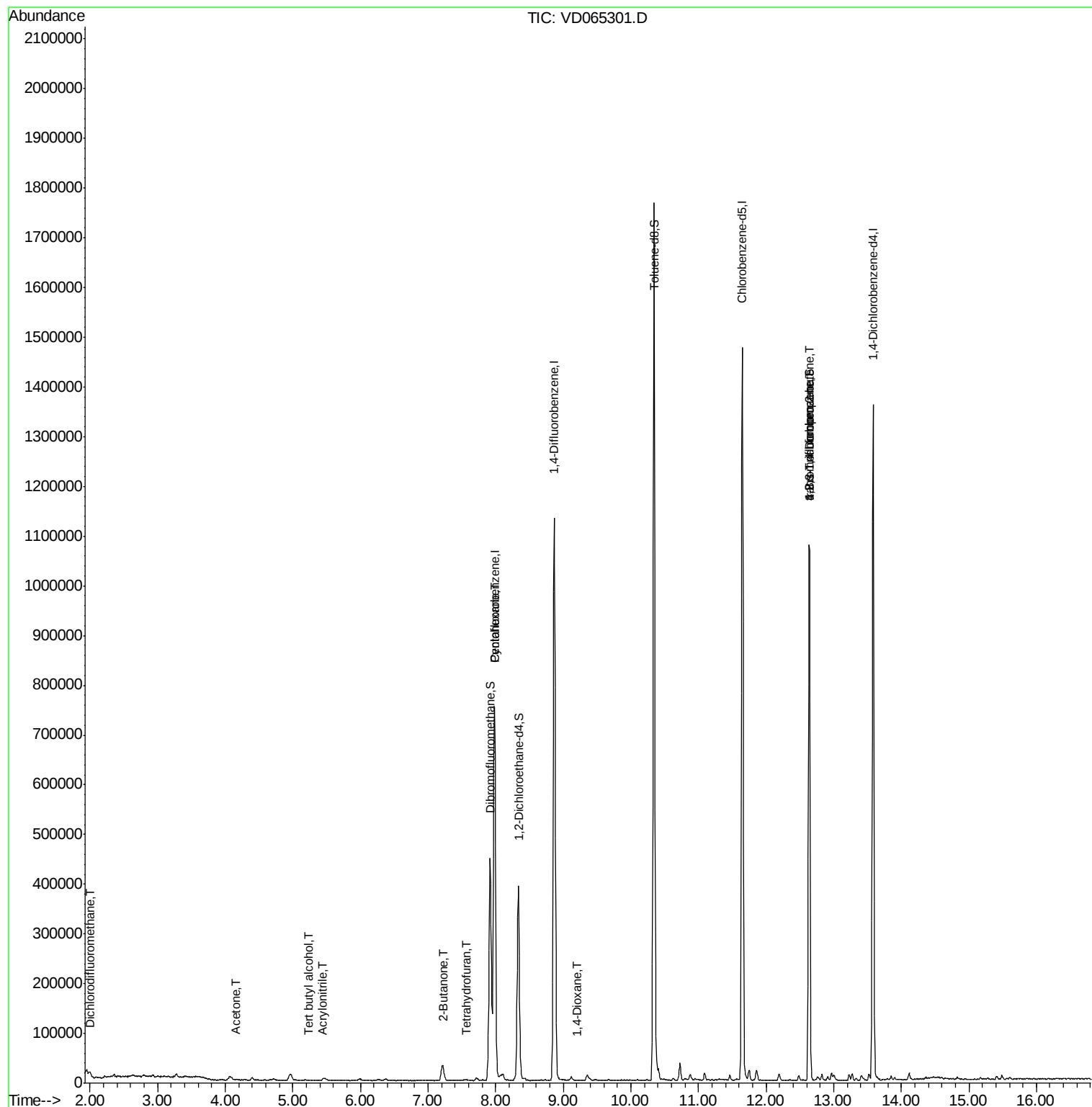
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	6786	1.367	ug/l	90
11) Tert butyl alcohol	5.24	59	1193	3.750	ug/l #	72
15) Acrylonitrile	5.43	53	1280	1.041	ug/l #	78
16) Acetone	4.16	43	3120	2.398	ug/l	95
20) Methylene Chloride	4.96	84	10713	Below Cal		92
25) 2-Butanone	7.23	43	1691	1.027	ug/l #	49
29) Tetrahydrofuran	7.57	42	1085	1.125	ug/l #	40
31) Cyclohexane	7.98	56	15626	1.493	ug/l #	25
49) 1,4-Dioxane	9.20	88	65	1.597	ug/l #	22
76) 1,2,3-Trichloropropane	12.64	75	166564	52.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	166564	113.989	ug/l #	11

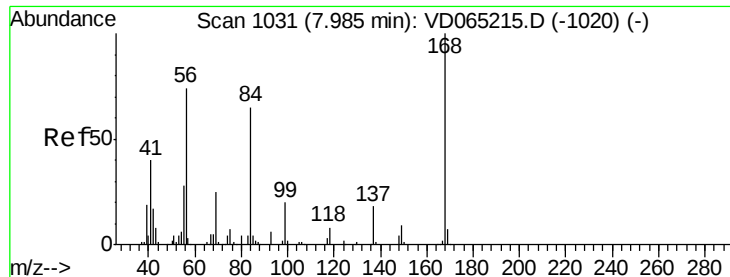
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022420\
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Quant Time: Feb 25 01:25:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

Instrument :

MSVOA_D

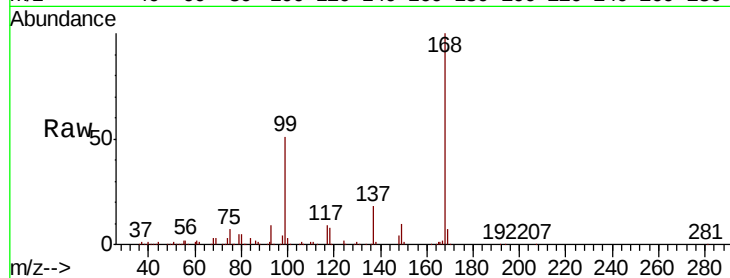
ClientSampleId :

Tot Ion:168 Resp: 591726

Ion Ratio Lower Upper

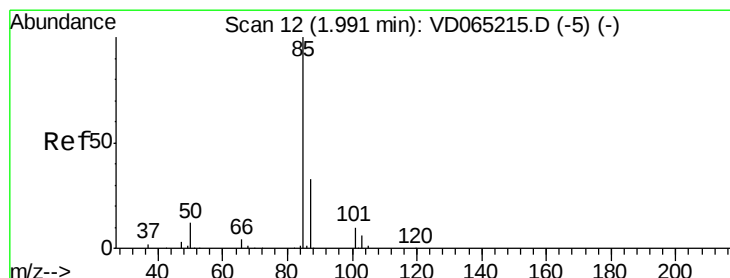
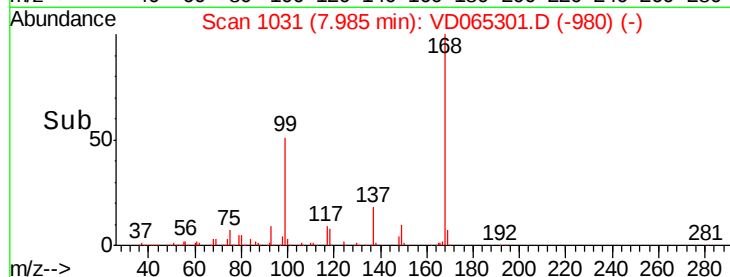
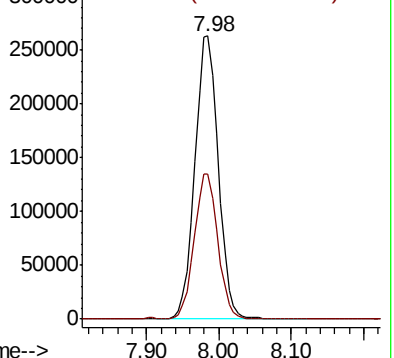
168 100

99 51.4 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 1.367 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD065301.D

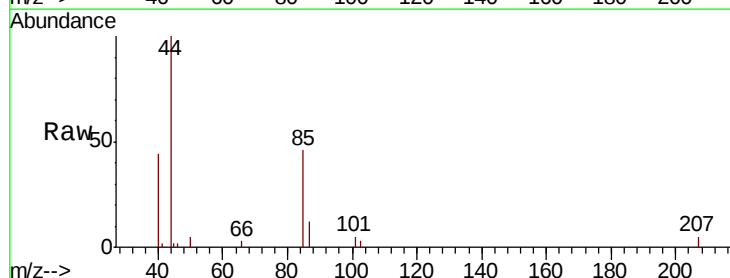
Acq: 24 Feb 2020 18:18

Tgt Ion: 85 Resp: 6786

Ion Ratio Lower Upper

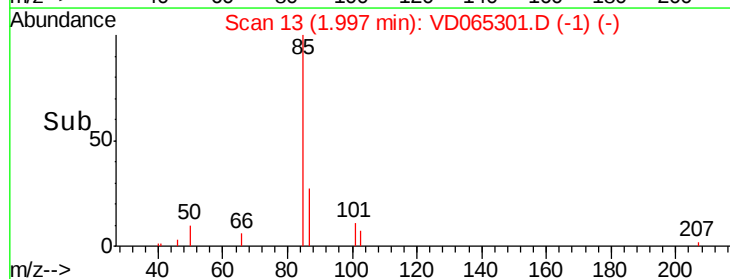
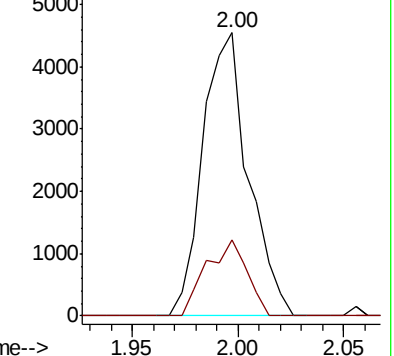
85 100

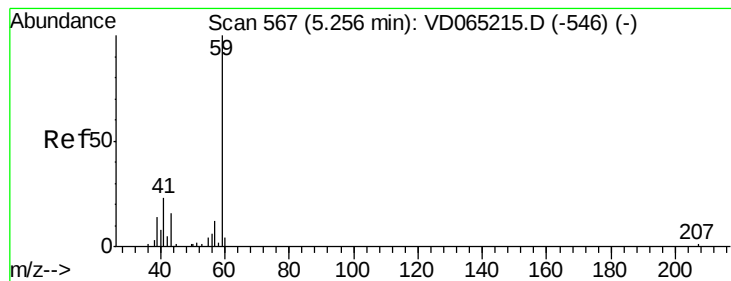
87 27.0 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



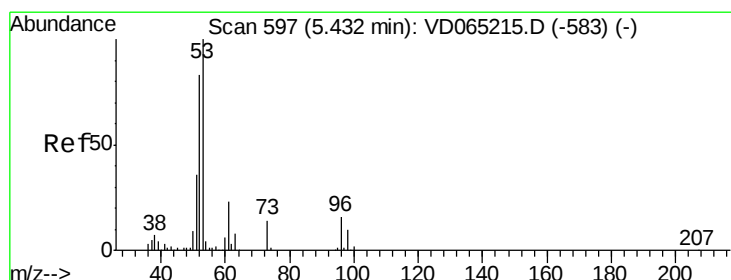
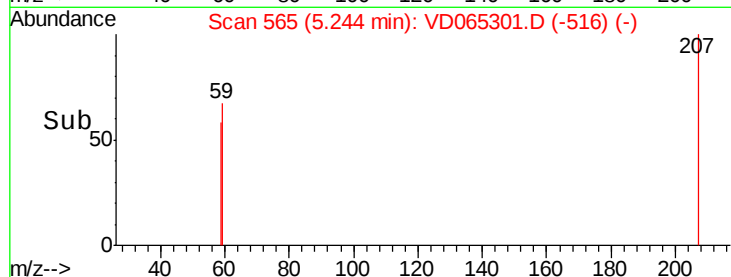
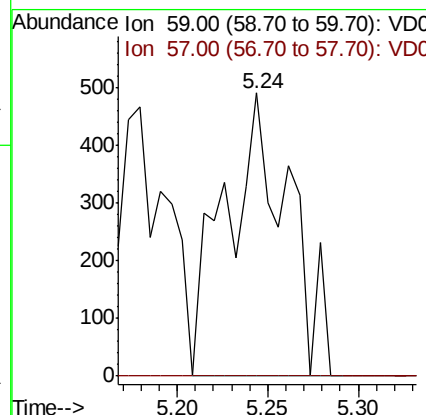
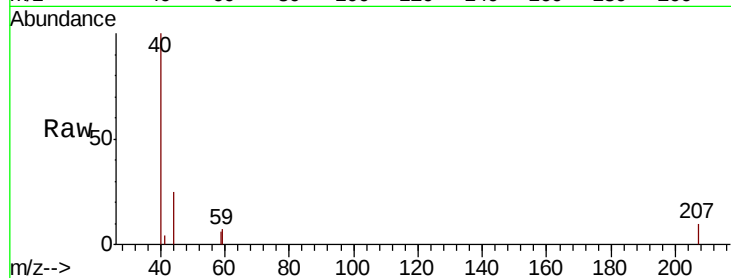


#11

Tert butyl alcohol
Concen: 3.750 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065301.D
Acq: 24 Feb 2020 18:18

Instrument :
MSVOA_D
ClientSampled :

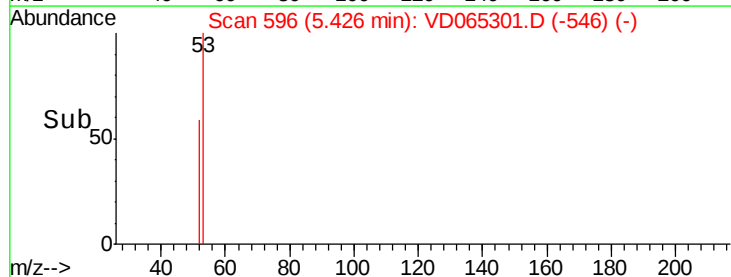
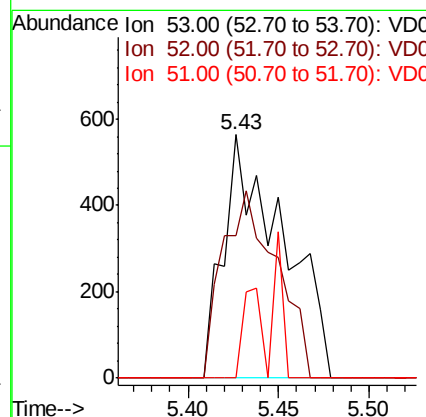
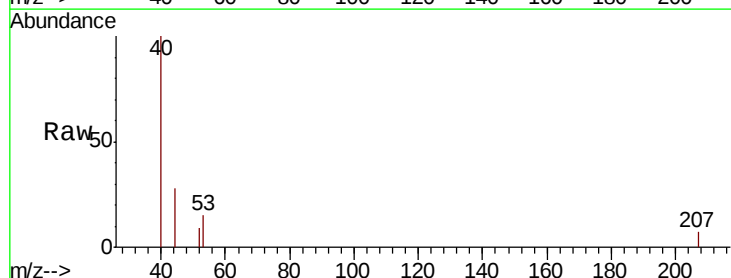
Tot Ion: 59 Resp: 1193
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

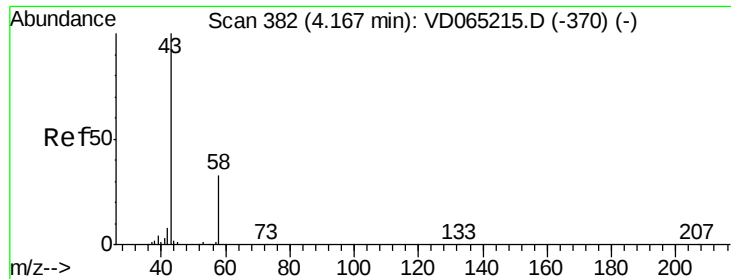


#15

Acrylonitrile
Concen: 1.041 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD065301.D
Acq: 24 Feb 2020 18:18

Tgt Ion: 53 Resp: 1280
Ion Ratio Lower Upper
53 100
52 70.2 65.4 98.2
51 11.3 29.5 44.3#





#16

Acetone

Concen: 2.398 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

Instrument :

MSVOA_D

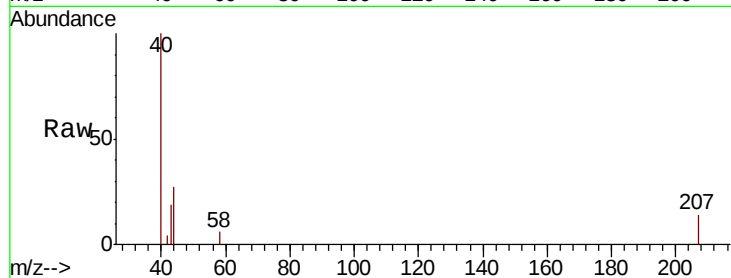
ClientSampleId :

Tot Ion: 43 Resp: 3120

Ion Ratio Lower Upper

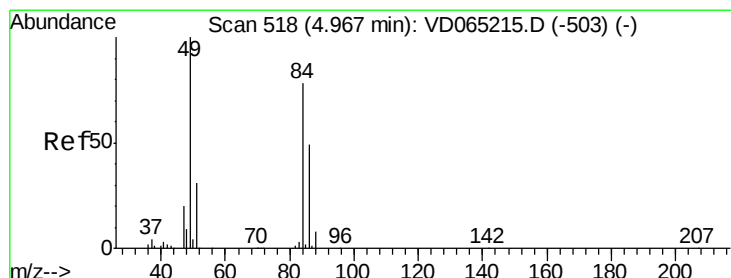
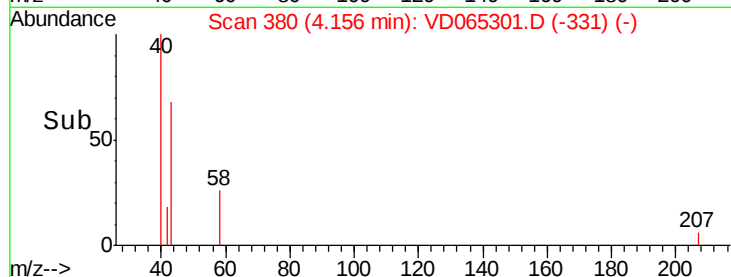
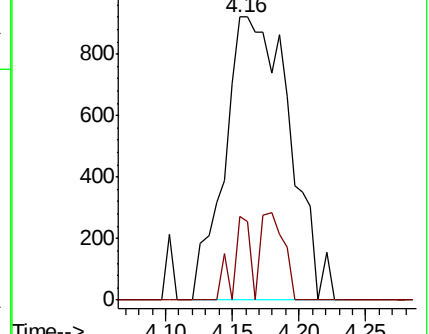
43 100

58 29.6 26.2 39.2



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: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

Tgt Ion: 84 Resp: 10713

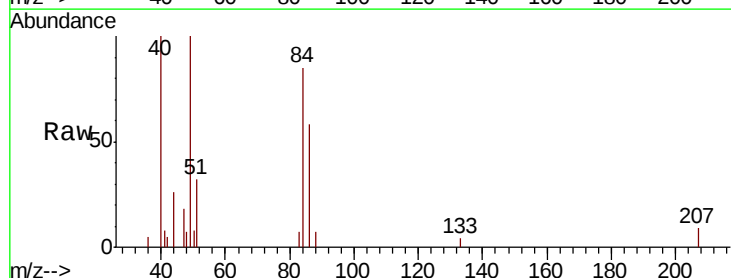
Ion Ratio Lower Upper

84 100

49 118.2 103.1 154.7

51 37.4 31.7 47.5

86 69.2 50.9 76.3

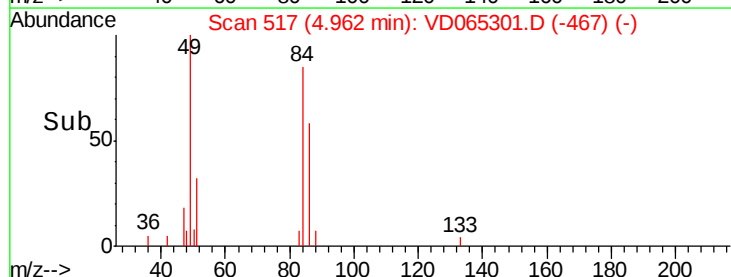
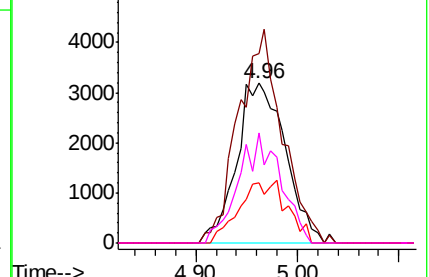


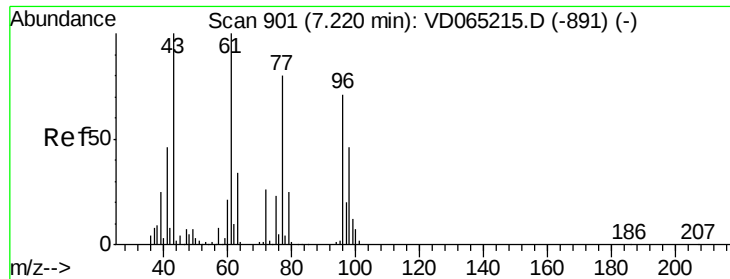
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 1.027 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

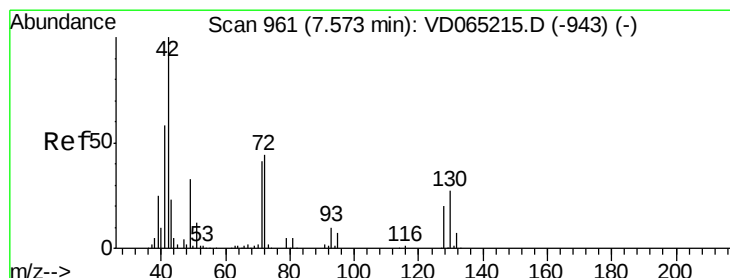
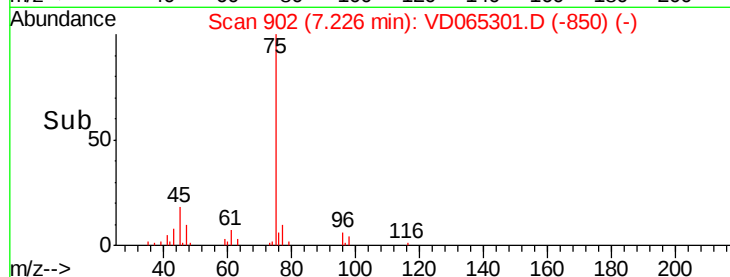
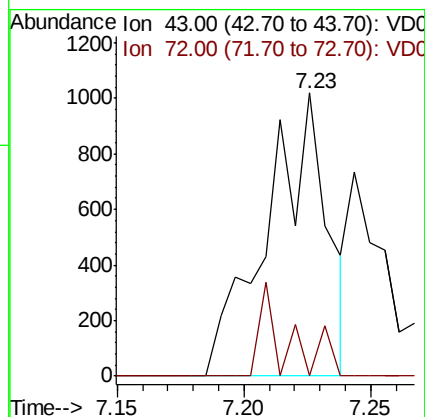
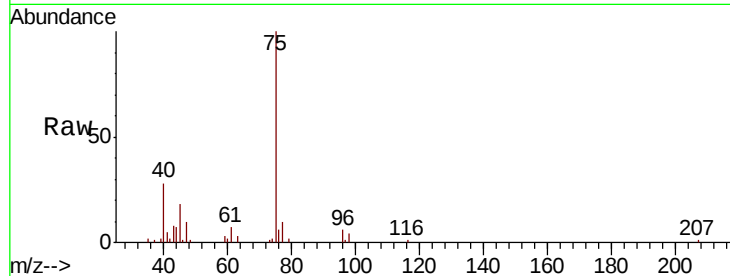
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1691

Ion Ratio Lower Upper

43 100

72 0.0 20.9 31.3#



#29

Tetrahydrofuran

Concen: 1.125 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

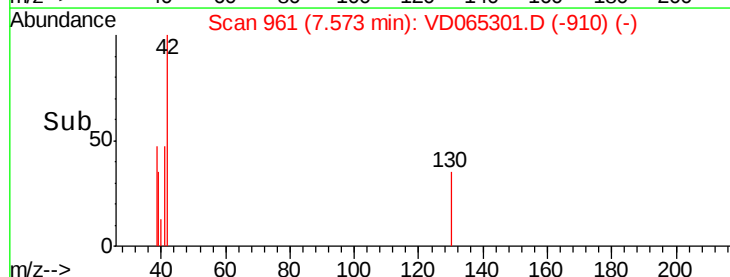
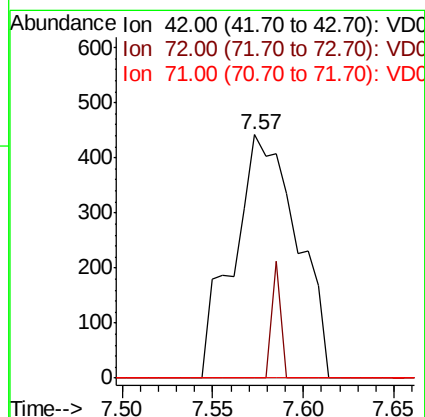
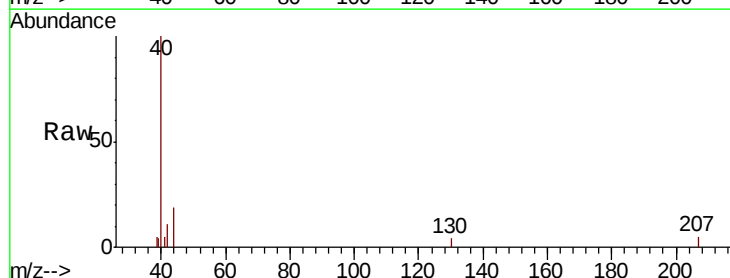
Tgt Ion: 42 Resp: 1085

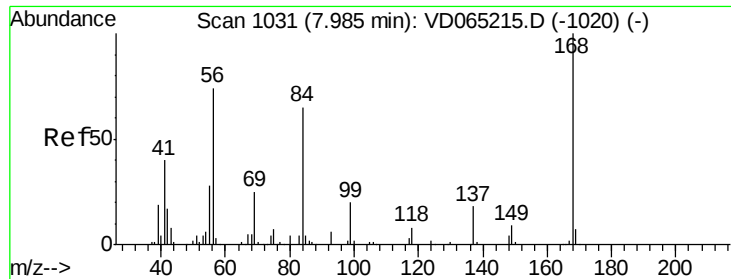
Ion Ratio Lower Upper

42 100

72 6.9 33.7 50.5#

71 0.0 31.4 47.2#

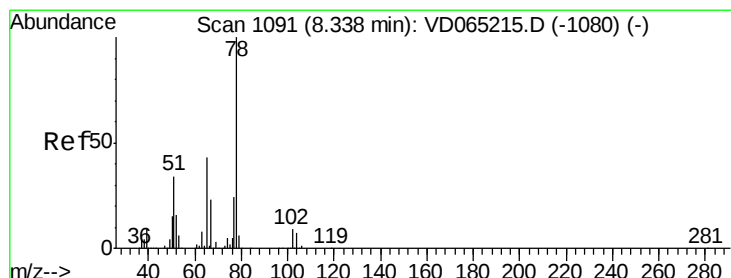
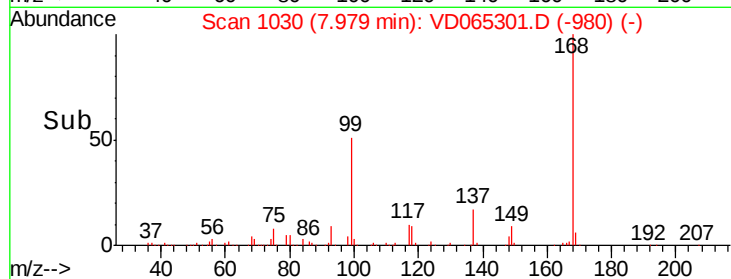
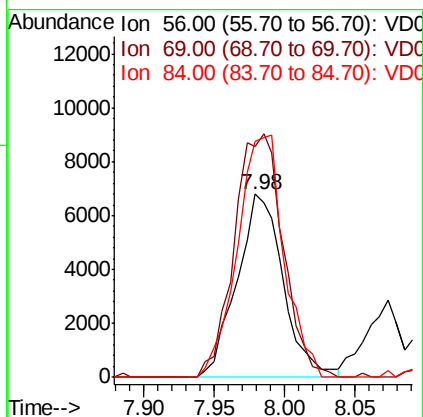
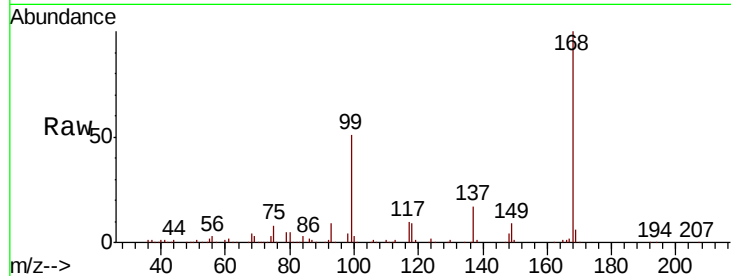




#31
Cyclohexane
Concen: 1.493 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065301.D
Acq: 24 Feb 2020 18:18

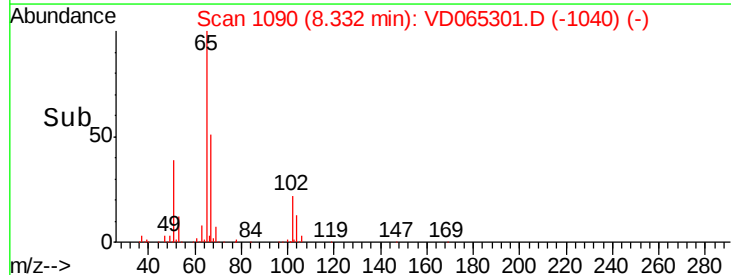
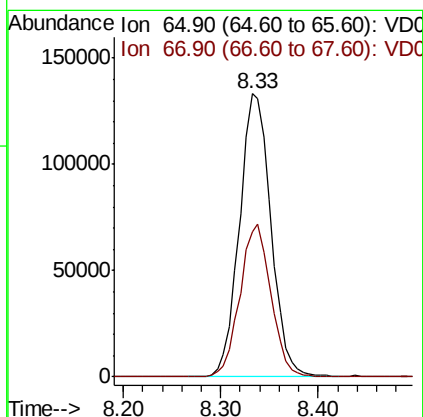
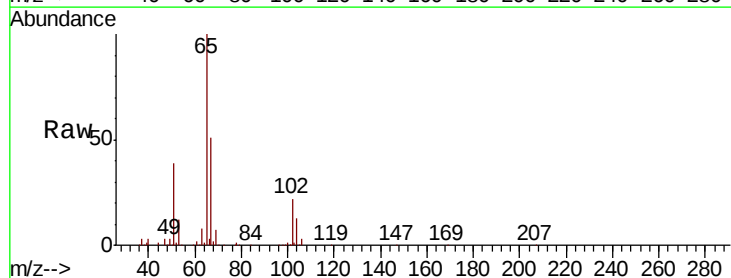
Instrument :
MSVOA_D
ClientSampleId :

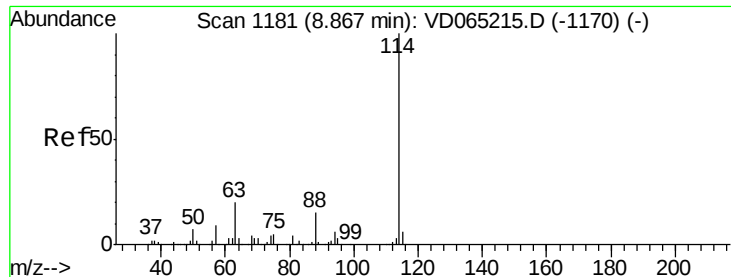
Tot Ion: 56 Resp: 15626
Ion Ratio Lower Upper
56 100
69 126.1 27.4 41.0#
84 128.8 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 56.688 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065301.D
Acq: 24 Feb 2020 18:18

Tgt Ion: 65 Resp: 301765
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

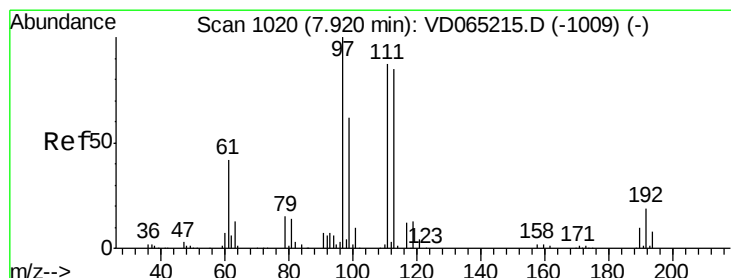
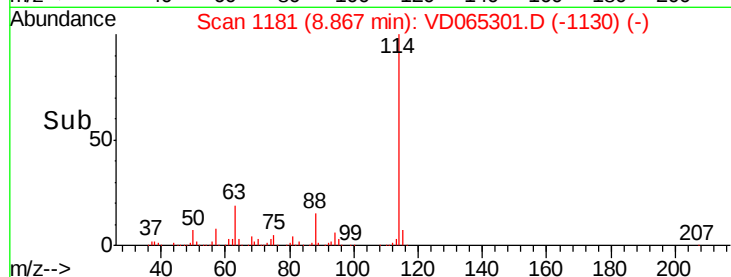
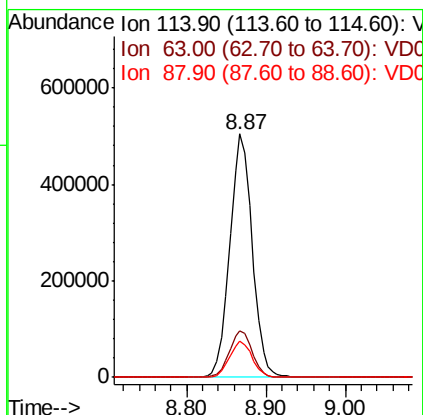
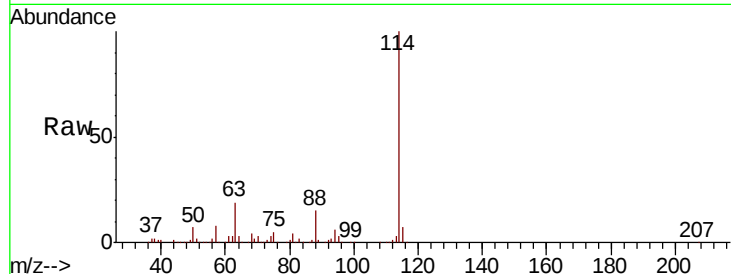




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065301.D
 Acq: 24 Feb 2020 18:18

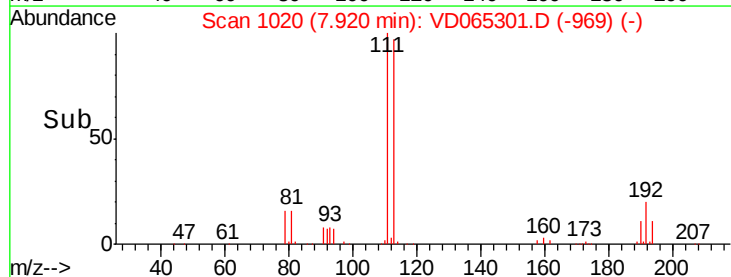
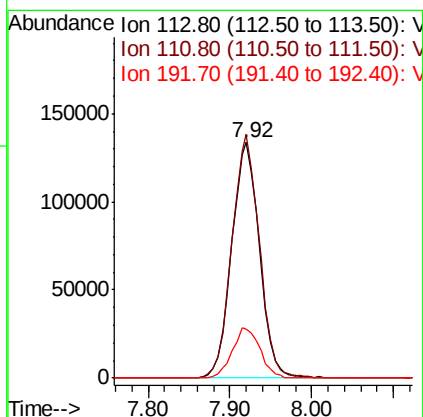
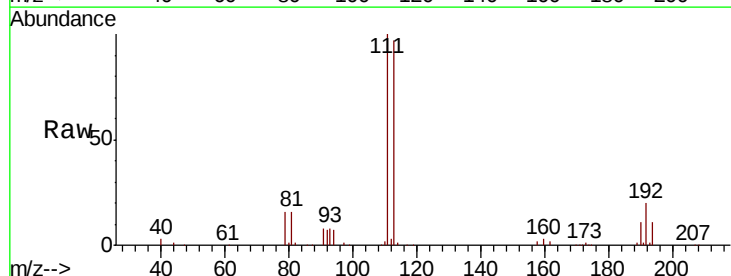
Instrument :
 MSVOA_D
 ClientSampleId :

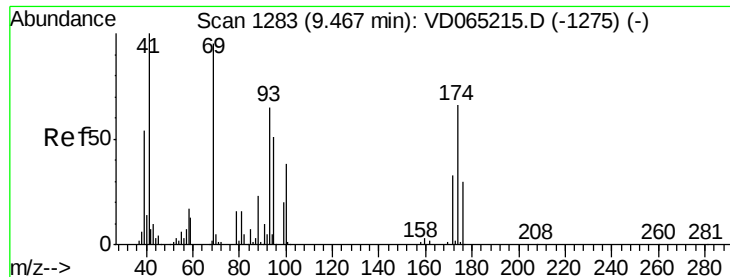
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.4
88	15.1	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 52.378 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065301.D
 Acq: 24 Feb 2020 18:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	21.6	17.3	25.9

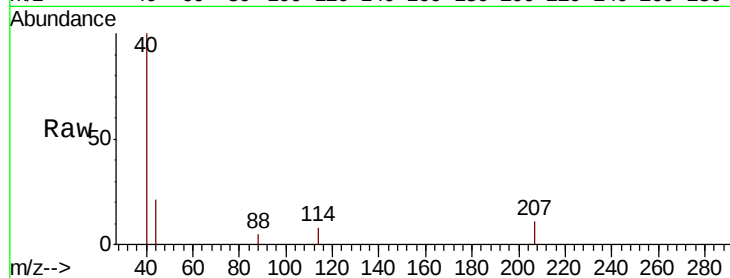




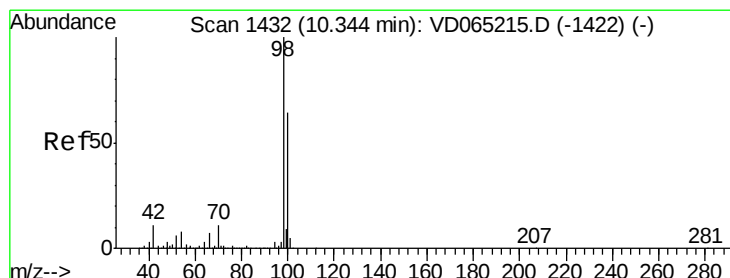
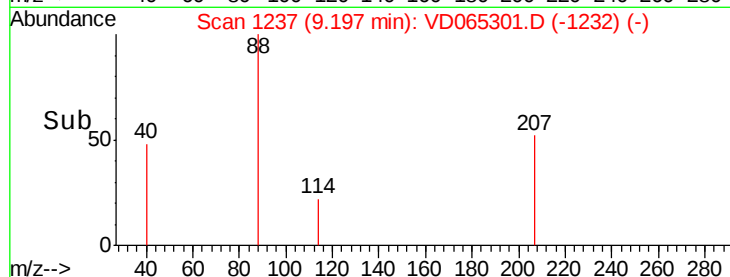
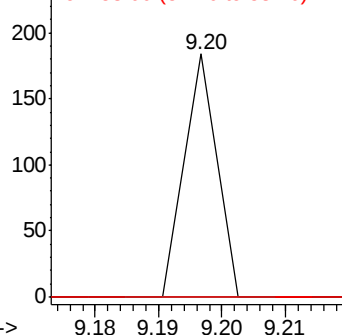
#49
1,4-Dioxane
Concen: 1.597 ug/l
RT: 9.20 min Scan# 1237
Delta R.T. -0.27 min
Lab File: VD065301.D
Acq: 24 Feb 2020 18:18

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 28.5 42.7#
58 0.0 58.6 87.8#

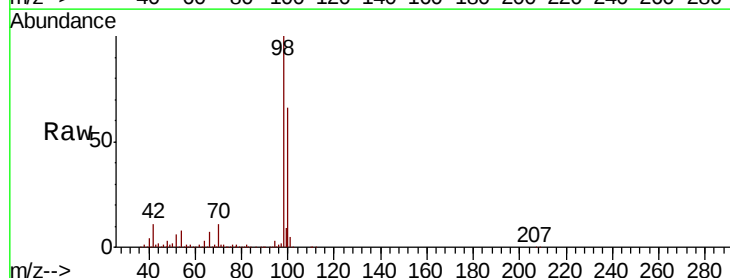


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

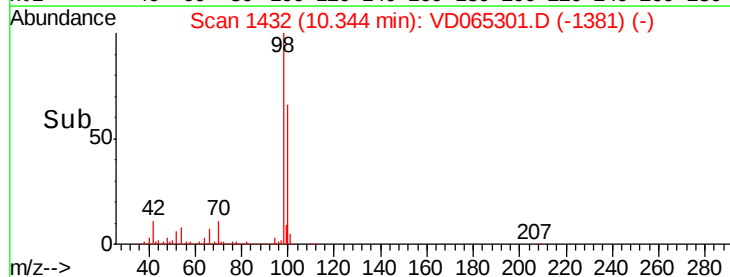
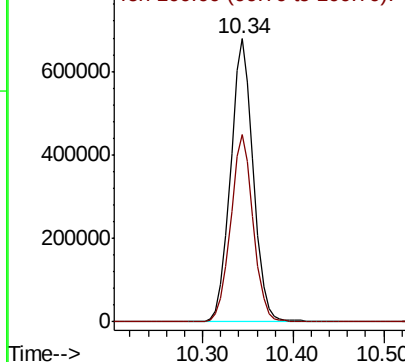


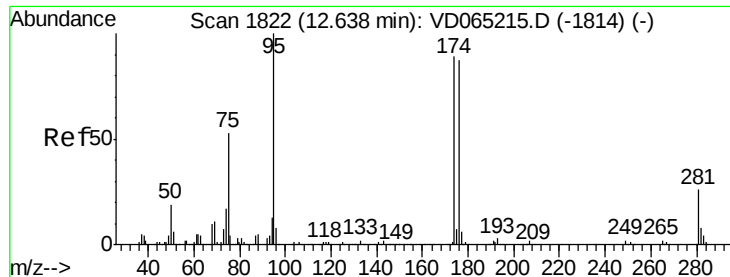
#50
Toluene-d8
Concen: 51.355 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065301.D
Acq: 24 Feb 2020 18:18

Tgt Ion: 98 Resp: 1182273
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 47.744 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

Instrument :

MSVOA_D

ClientSampleId :

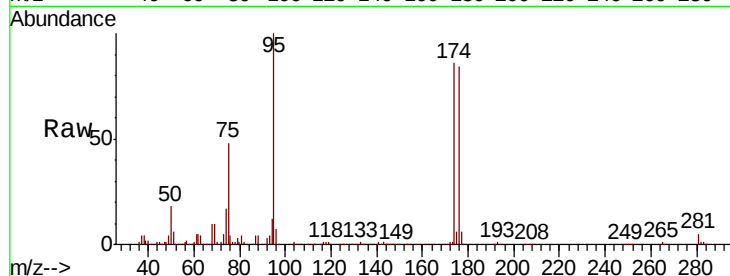
Tot Ion: 95 Resp: 348200

Ion Ratio Lower Upper

95 100

174 88.3 0.0 178.0

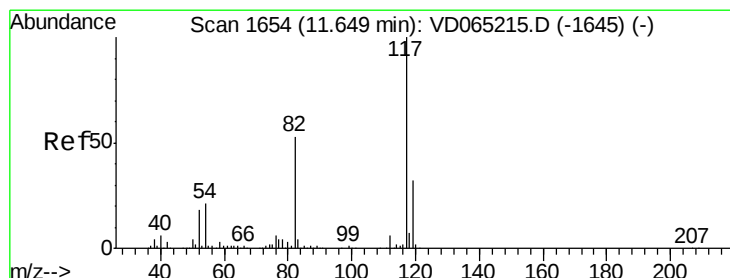
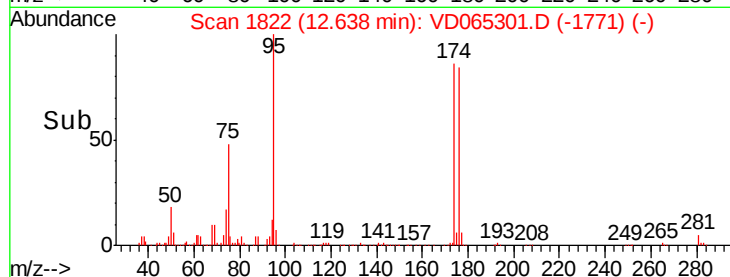
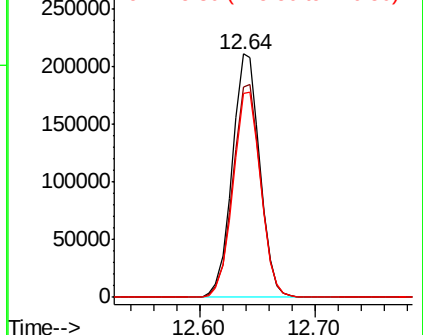
176 84.7 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

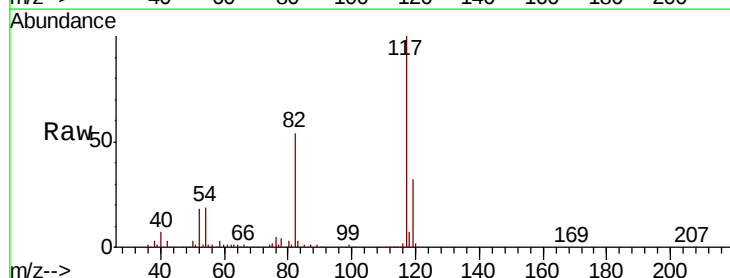
Tgt Ion: 117 Resp: 871617

Ion Ratio Lower Upper

117 100

82 53.6 42.7 64.1

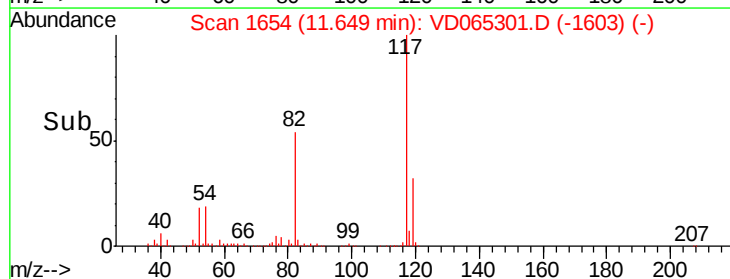
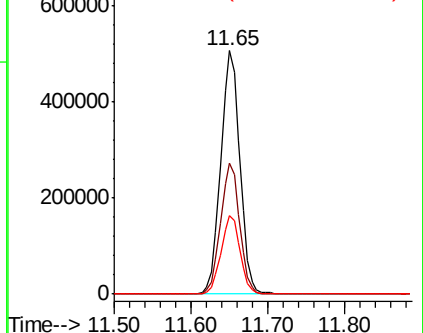
119 32.4 25.5 38.3

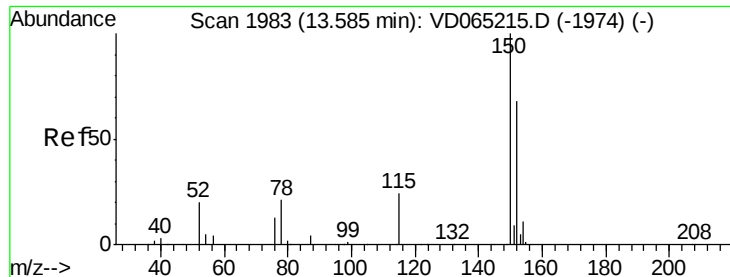


Abundance Ion 116.90 (116.60 to 117.60): V

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. 0.00 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

Instrument :

MSVOA_D

ClientSampleId :

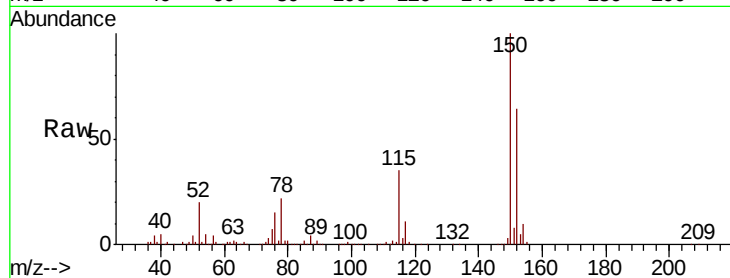
Tot Ion:152 Resp: 370819

Ion Ratio Lower Upper

152 100

115 54.4 27.6 82.8

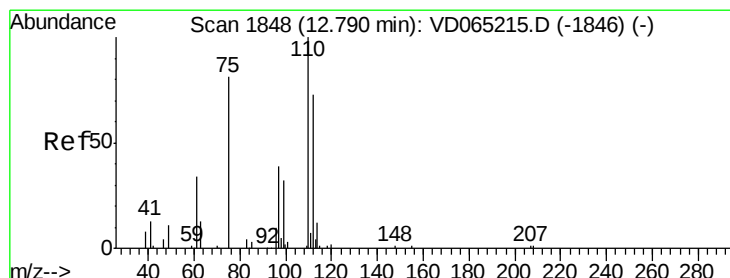
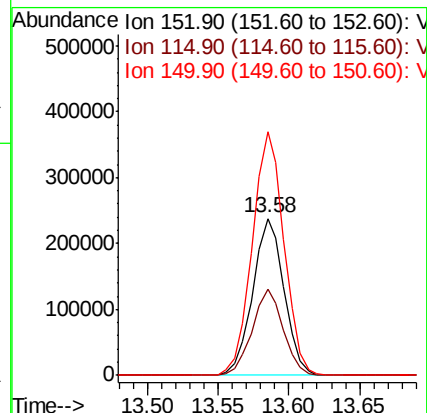
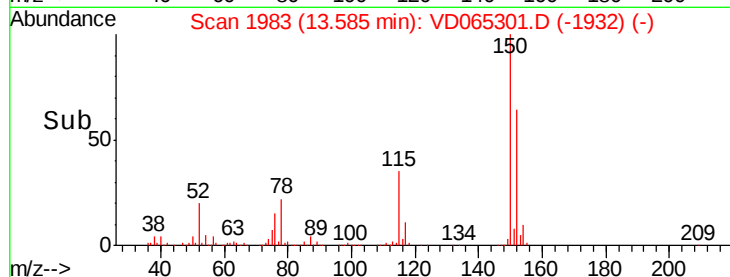
150 157.1 0.0 347.4



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: 52.793 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065301.D

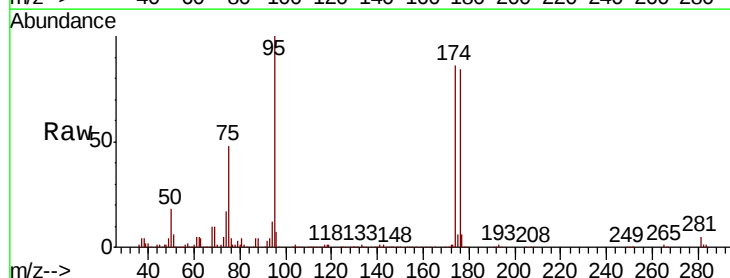
Acq: 24 Feb 2020 18:18

Tgt Ion: 75 Resp: 166564

Ion Ratio Lower Upper

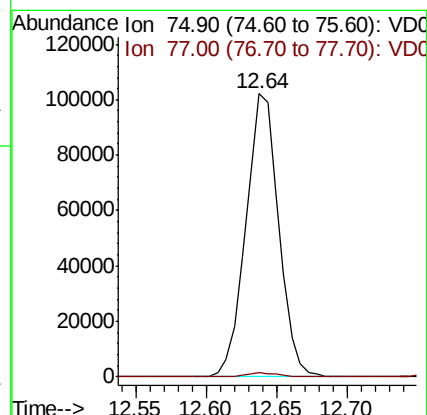
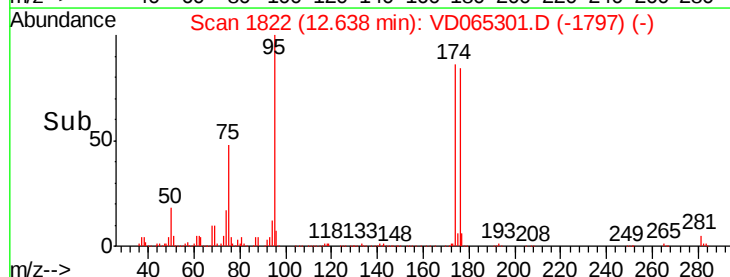
75 100

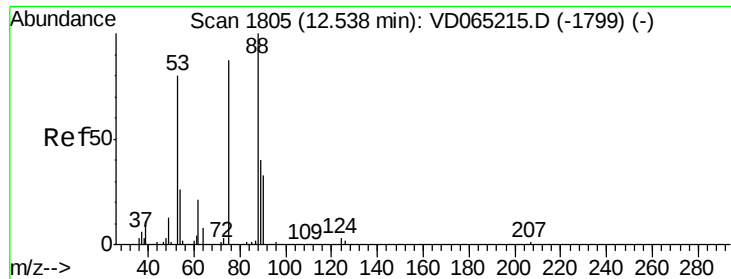
77 1.3 0.0 0.0#



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: 113.989 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065301.D

Acq: 24 Feb 2020 18:18

Instrument :

MSVOA_D

ClientSampleId :

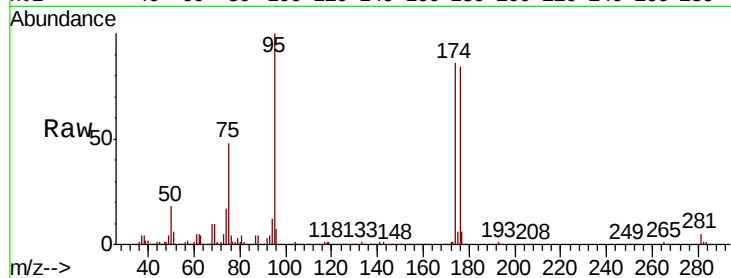
Tot Ion: 75 Resp: 166564

Ion Ratio Lower Upper

75 100

53 0.1 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

