

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065989.D
 Acq On : 21 Jul 2020 19:24
 Operator : VA/SY
 Sample : L3323-01
 Misc : 4.02G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 225

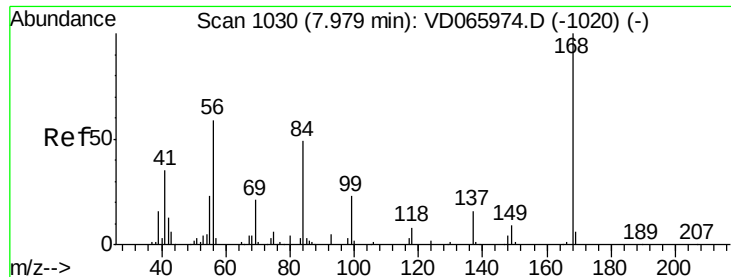
Quant Time: Jul 22 02:13:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	278970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	527097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	522972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	209395	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	141452	62.32	ug/l	0.00
Spiked Amount			Recovery	=	124.64%	
35) Dibromofluoromethane	7.92	113	164721	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.34	98	631500	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.64	95	237494	57.51	ug/l	0.00
Spiked Amount			Recovery	=	115.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	29022	197.527	ug/l #	83
16) Acetone	4.15	43	173395	377.380	ug/l	97
17) Carbon Disulfide	4.41	76	26042	3.481	ug/l	100
20) Methylene Chloride	4.96	84	35141	11.552	ug/l	94
25) 2-Butanone	7.22	43	42423	69.582	ug/l	99
39) Methylcyclohexane	9.36	83	8302	1.524	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	9447	5.588	ug/l	90
52) Toluene	10.41	92	89772	10.938	ug/l	99
59) 2-Hexanone	10.98	43	11213	9.571	ug/l	92
68) m/p-Xylenes	11.86	106	17621	2.782	ug/l	89
69) o-Xylene	12.18	106	11879	2.062	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	45129	4.335	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	51257	4.991	ug/l	100
86) p-Isopropyltoluene	13.52	119	17788	1.561	ug/l	87
95) Naphthalene	15.41	128	61001	12.070	ug/l #	90

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

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ClientSampleId :

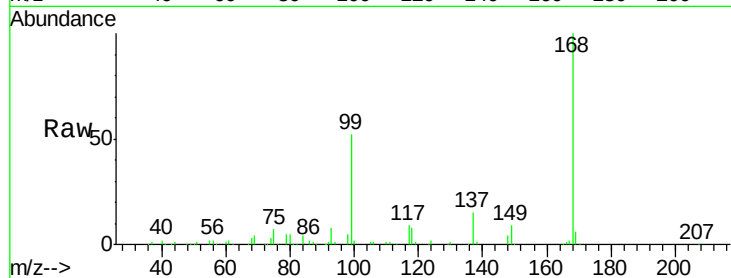
225

Tot Ion:168 Resp: 278970

Ion Ratio Lower Upper

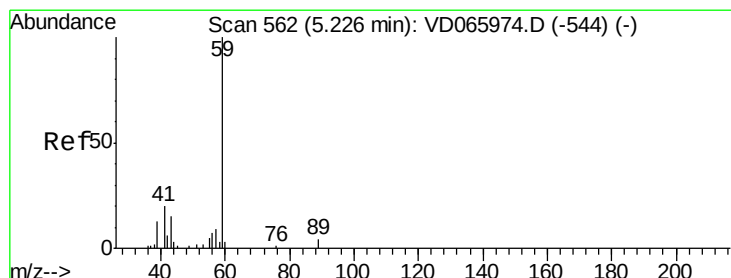
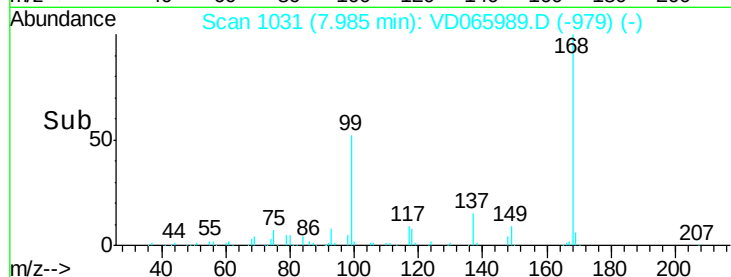
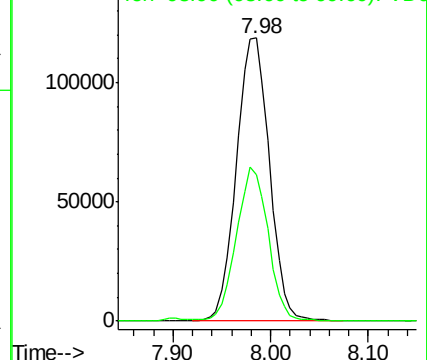
168 100

99 51.6 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: 197.527 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD065989.D

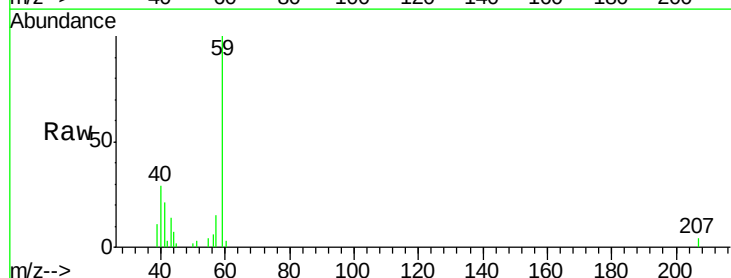
Acq: 21 Jul 2020 19:24

Tgt Ion: 59 Resp: 29022

Ion Ratio Lower Upper

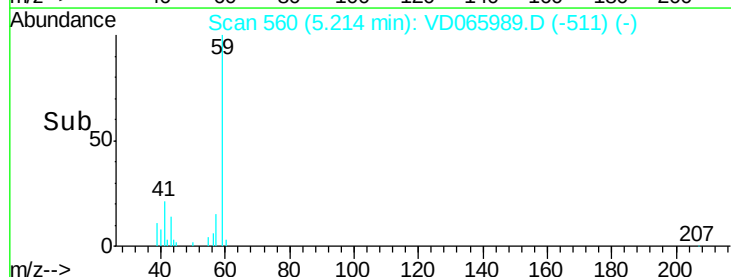
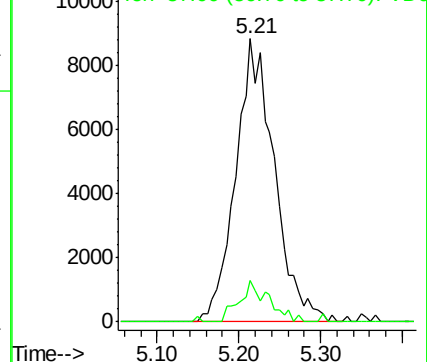
59 100

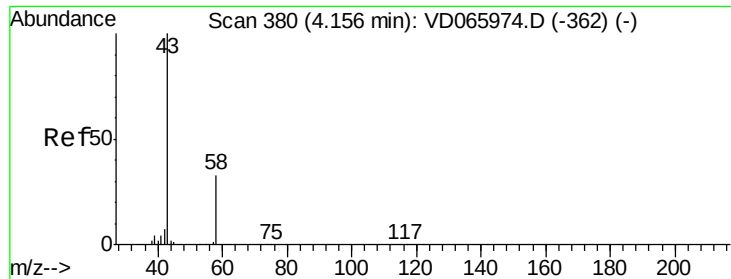
57 11.3 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

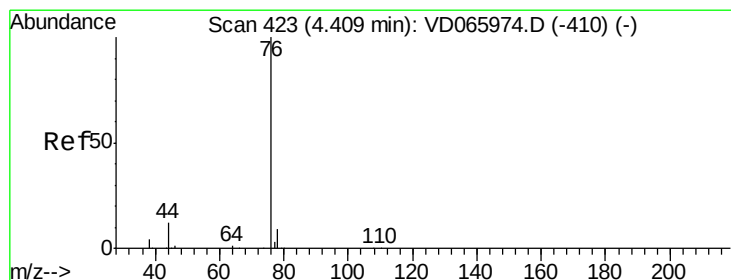
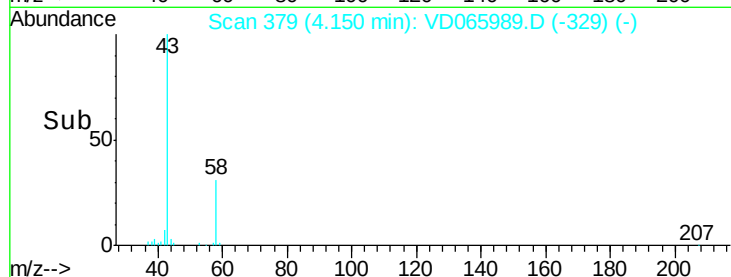
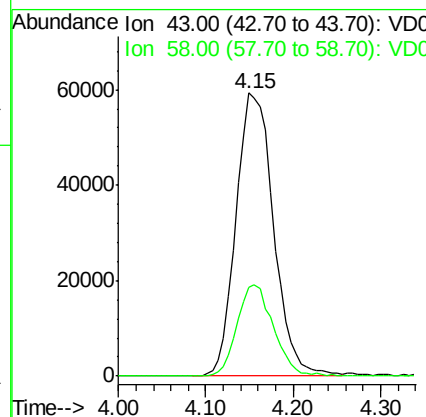
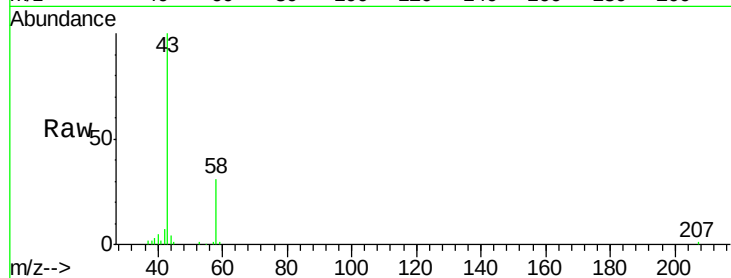




#16
Acetone
Concen: 377.380 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

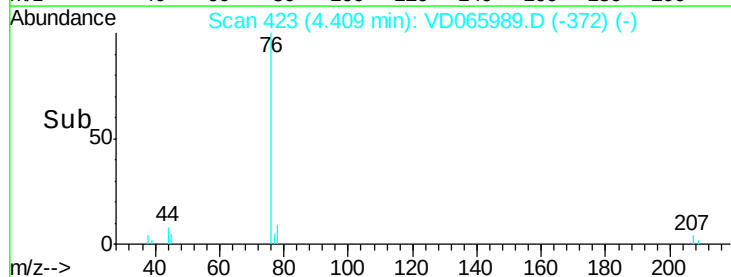
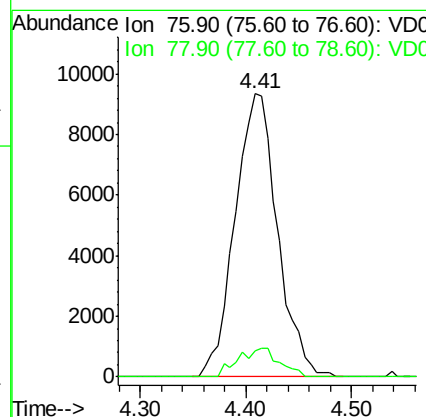
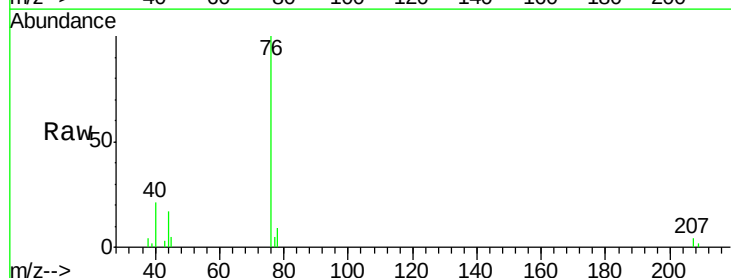
Instrument :
MSVOA_D
ClientSampleId :
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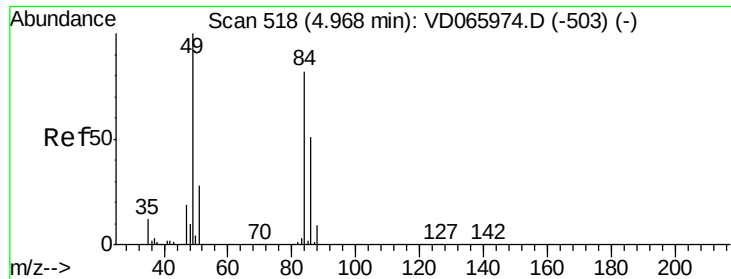
Tot Ion: 43 Resp: 173395
Ion Ratio Lower Upper
43 100
58 31.3 26.3 39.5



#17
Carbon Disulfide
Concen: 3.481 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Tgt Ion: 76 Resp: 26042
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

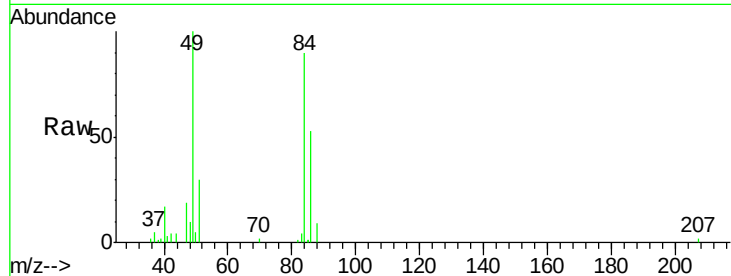




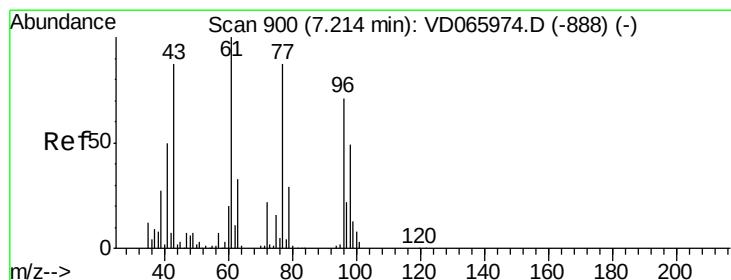
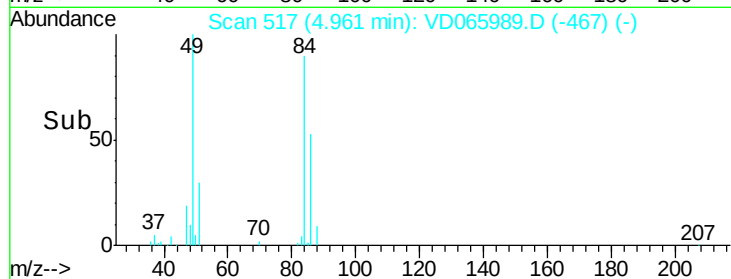
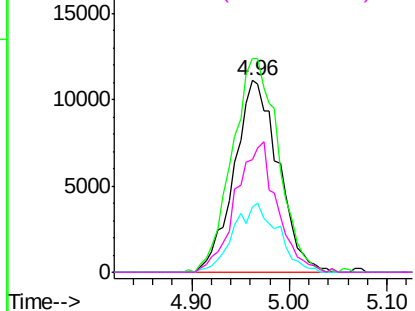
#20
Methylene Chloride
Concen: 11.552 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
225

Tot Ion: 84 Resp: 35141
Ion Ratio Lower Upper
84 100
49 111.4 97.7 146.5
51 33.8 27.4 41.2
86 59.0 49.4 74.2

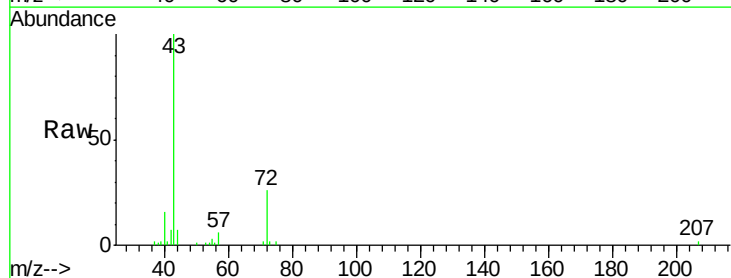


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

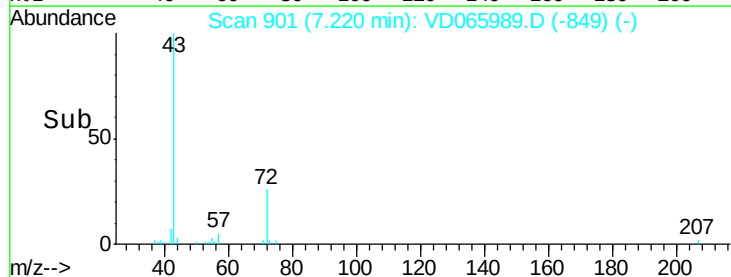
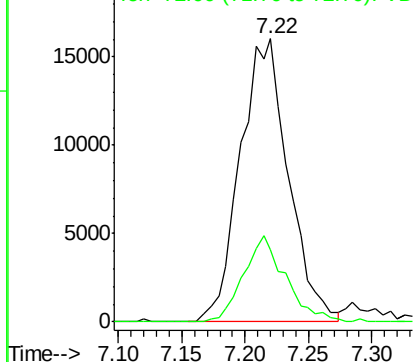


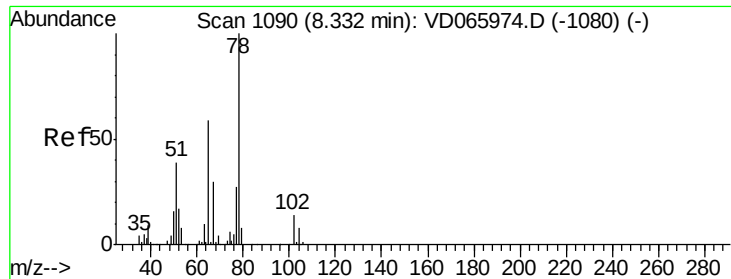
#25
2-Butanone
Concen: 69.582 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Tgt Ion: 43 Resp: 42423
Ion Ratio Lower Upper
43 100
72 25.7 20.2 30.2



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

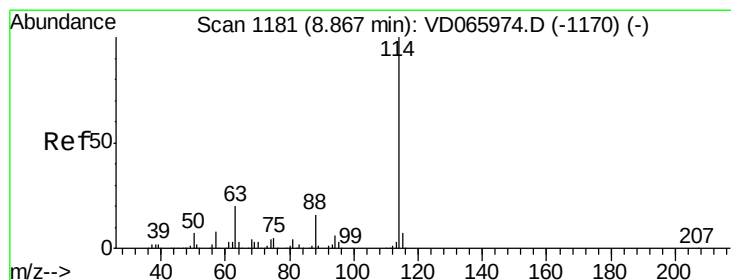
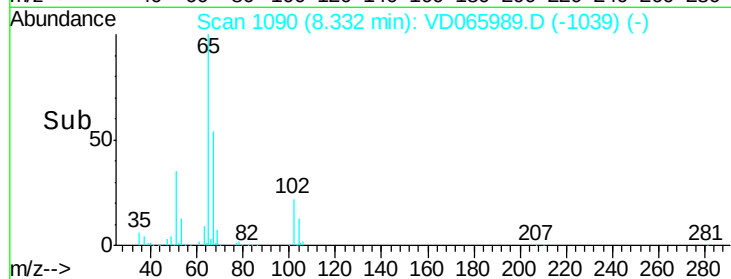
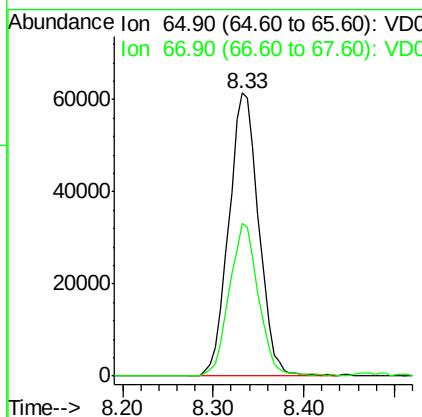
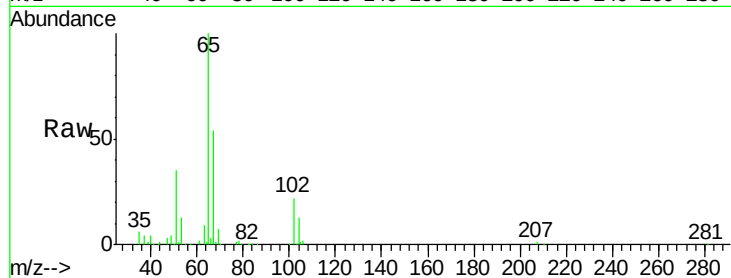




#33
 1,2-Dichloroethane-d4
 Concen: 62.315 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065989.D
 Acq: 21 Jul 2020 19:24

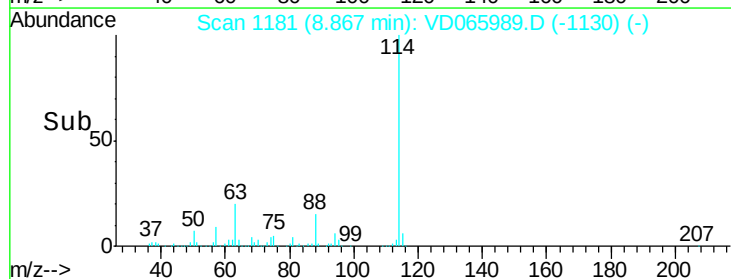
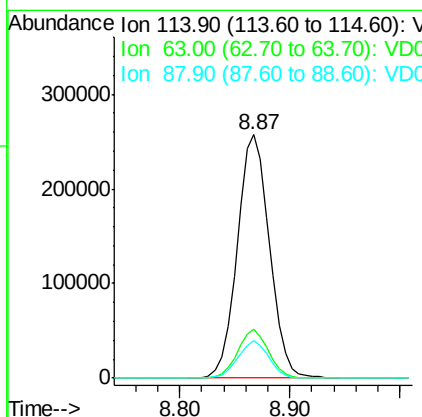
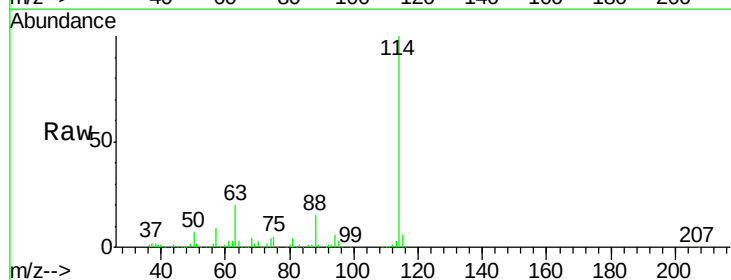
Instrument :
 MSVOA_D
 ClientSampleId :
 225

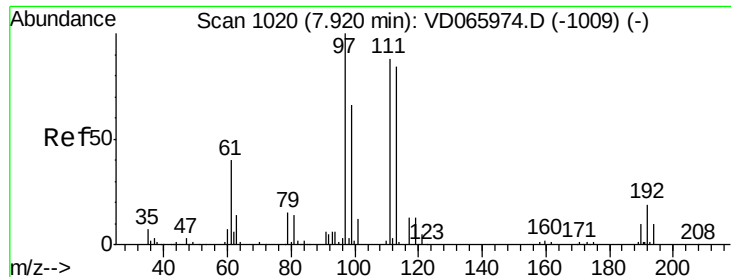
Tot Ion: 65 Resp: 141452
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065989.D
 Acq: 21 Jul 2020 19:24

Tgt Ion: 114 Resp: 527097
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 15.4 0.0 31.2

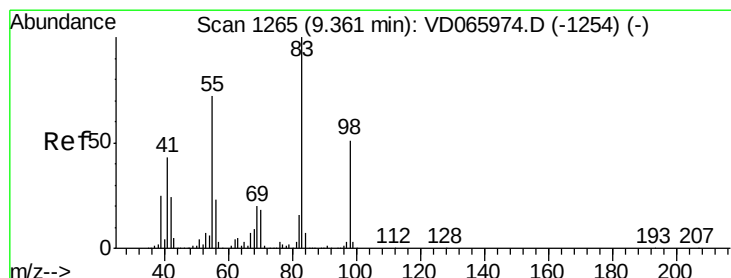
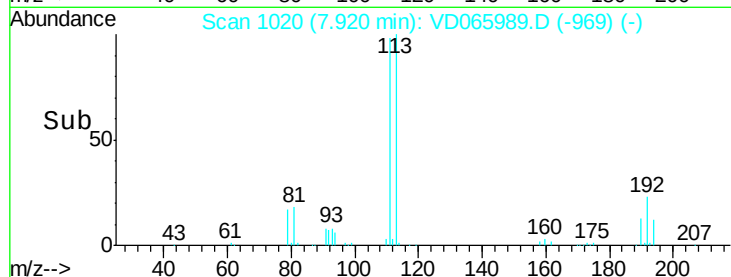
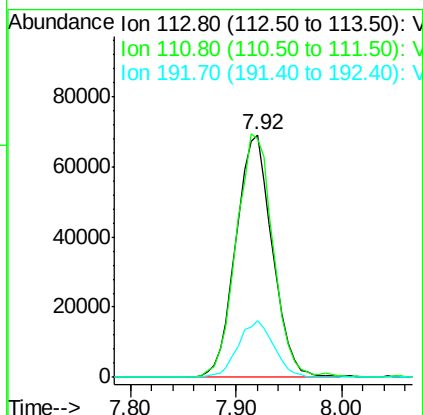
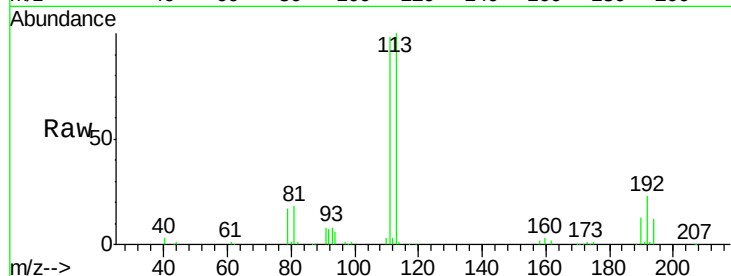




#35
Dibromofluoromethane
Concen: 51.523 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

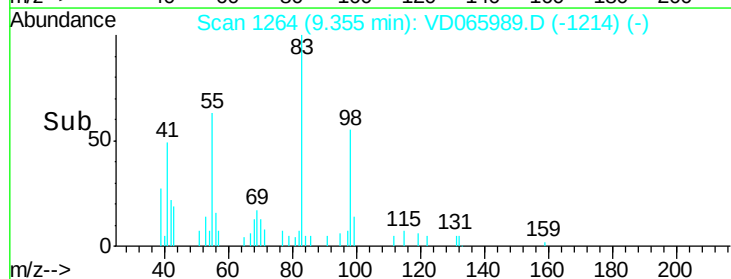
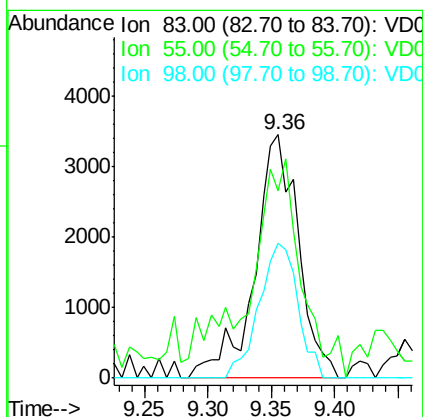
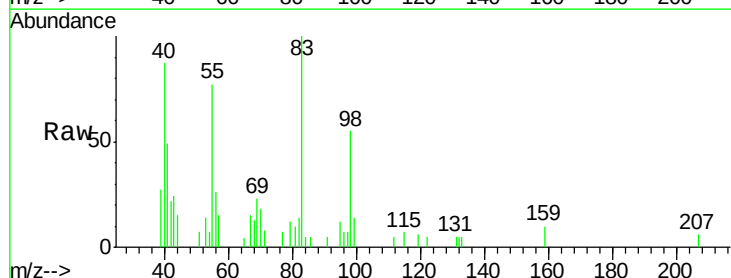
Instrument :
MSVOA_D
ClientSampleId :
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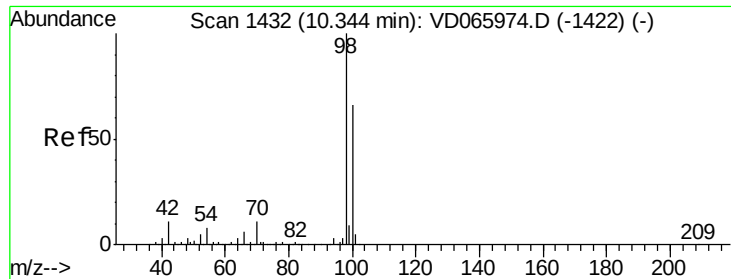
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.2	124.8
192	23.2	18.7	28.1



#39
Methylcyclohexane
Concen: 1.524 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.8	57.3	85.9
98	55.4	41.0	61.6

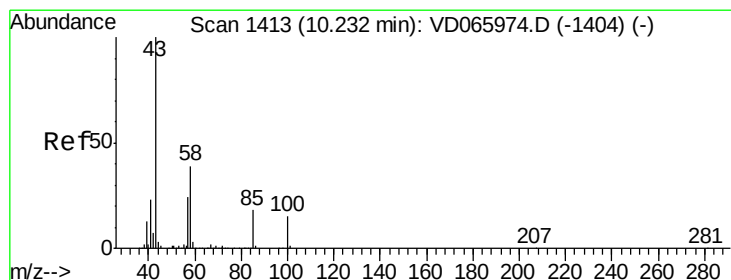
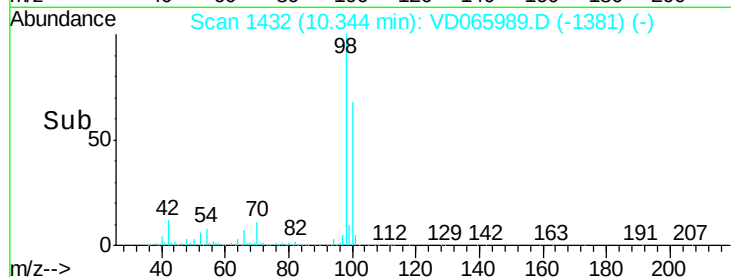
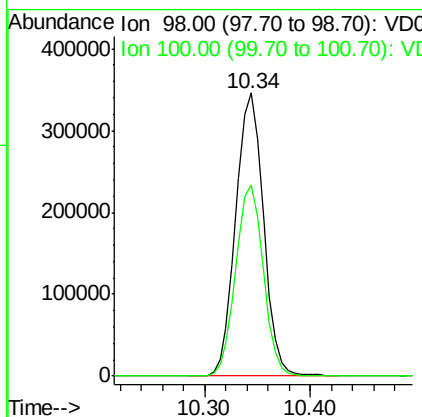
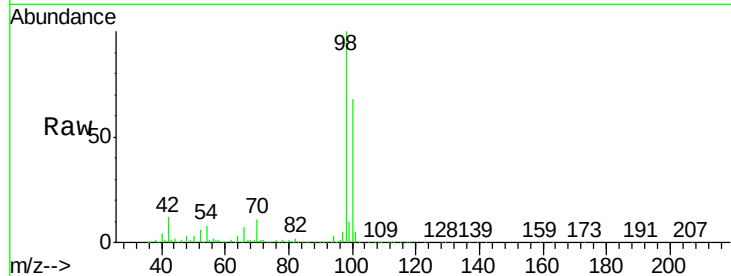




#50
Toluene-d8
Concen: 53.024 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

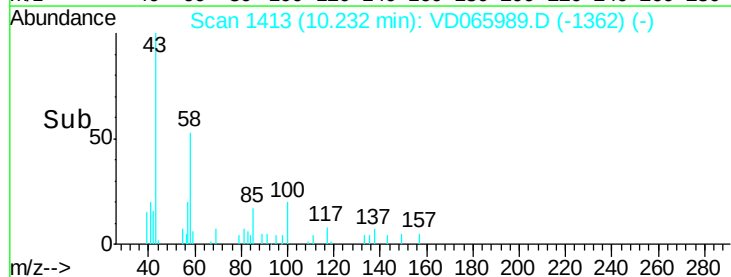
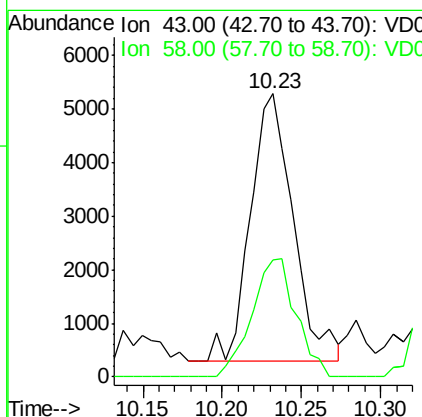
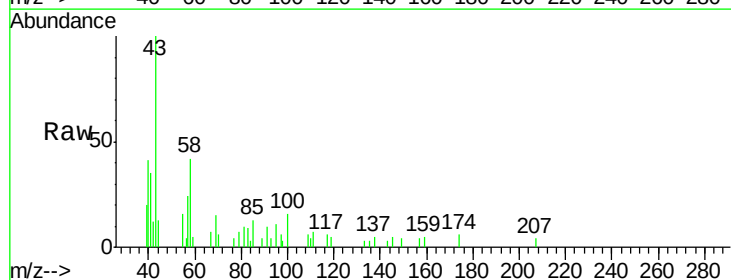
Instrument :
MSVOA_D
ClientSampleId :
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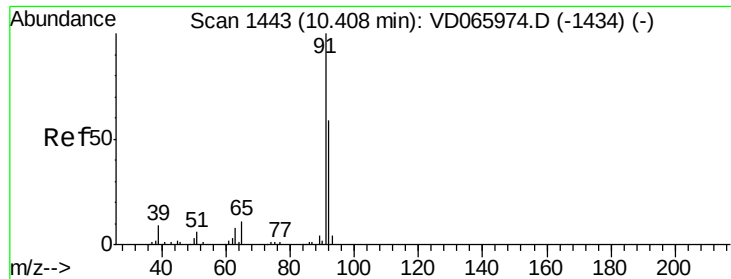
Tot Ion: 98 Resp: 631500
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 5.588 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Tgt Ion: 43 Resp: 9447
Ion Ratio Lower Upper
43 100
58 45.4 31.3 46.9





#52

Toluene

Concen: 10.938 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065989.D

Acq: 21 Jul 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

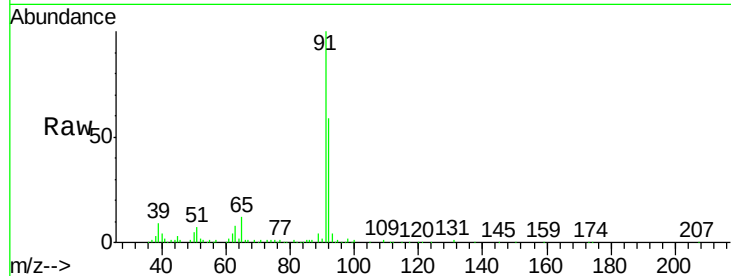
225

Tot Ion: 92 Resp: 89772

Ion Ratio Lower Upper

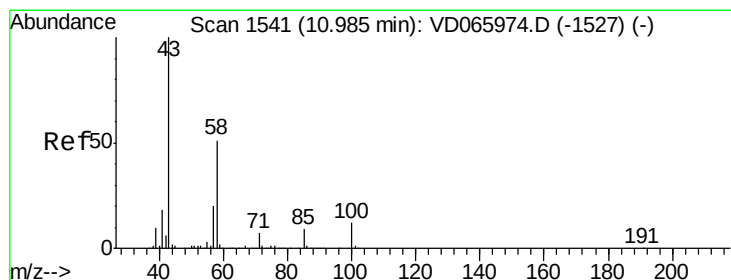
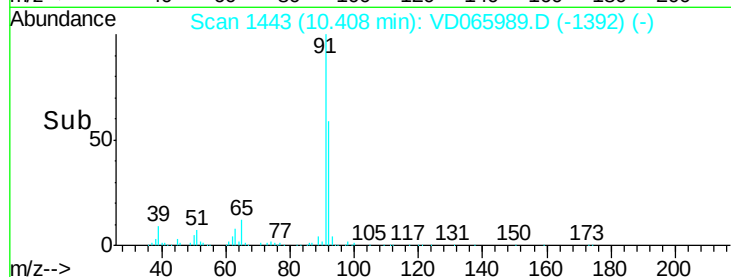
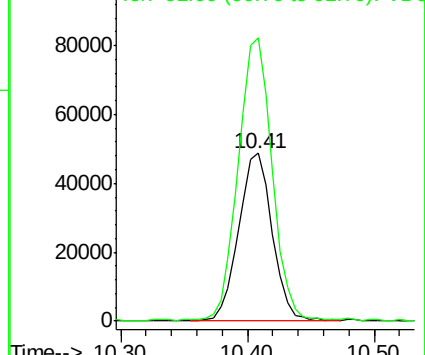
92 100

91 169.0 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#59

2-Hexanone

Concen: 9.571 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD065989.D

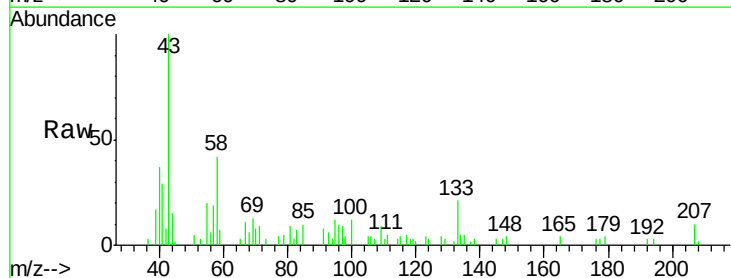
Acq: 21 Jul 2020 19:24

Tgt Ion: 43 Resp: 11213

Ion Ratio Lower Upper

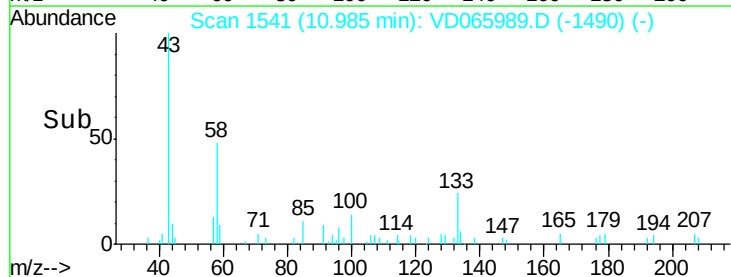
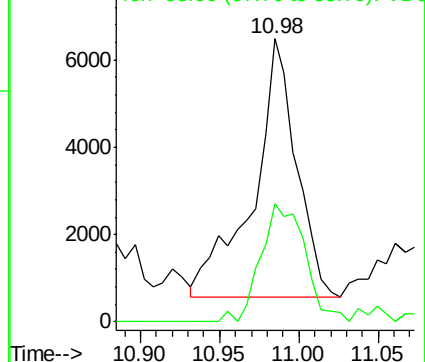
43 100

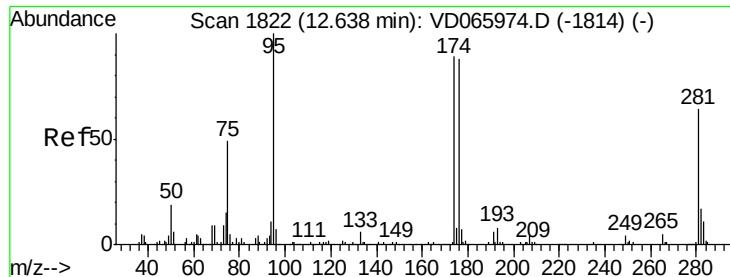
58 46.7 26.2 78.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

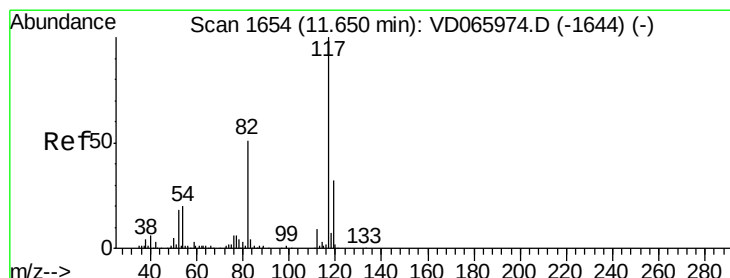
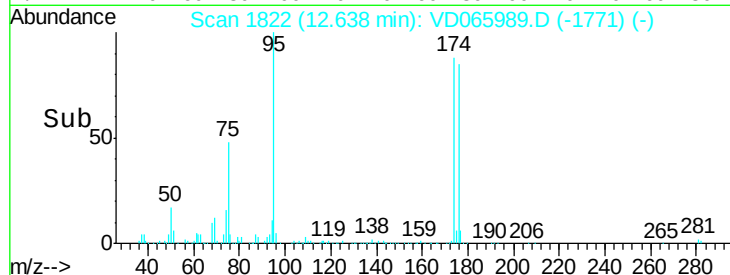
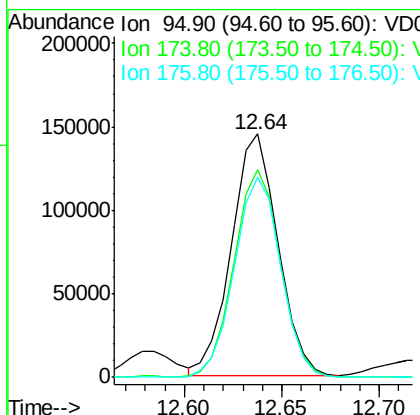
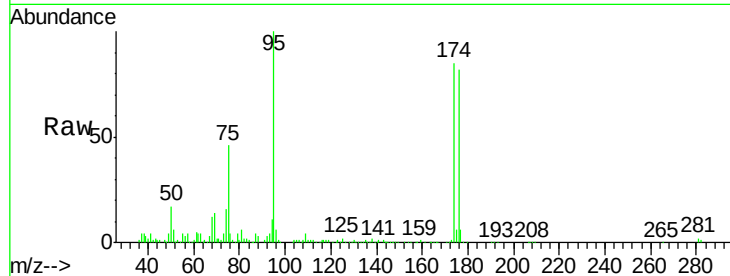




#62
4-Bromofluorobenzene
Concen: 57.511 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

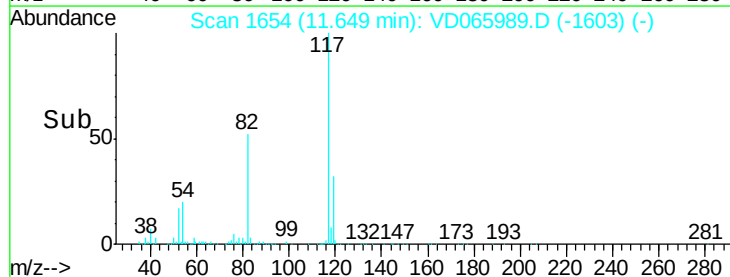
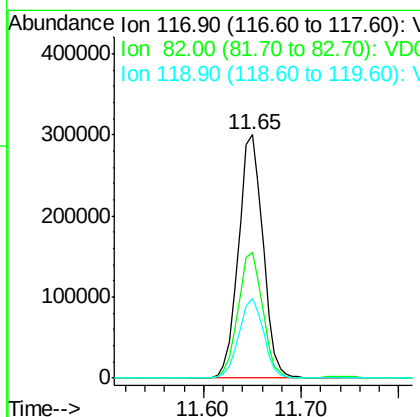
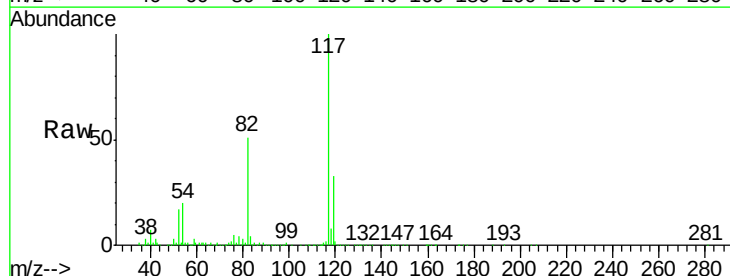
Instrument :
MSVOA_D
ClientSampleId :
225

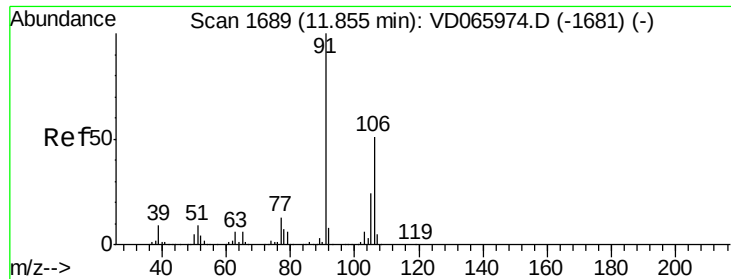
Tot Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	178.8
176	83.2	0.0	172.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.1	61.7
119	32.4	25.9	38.9

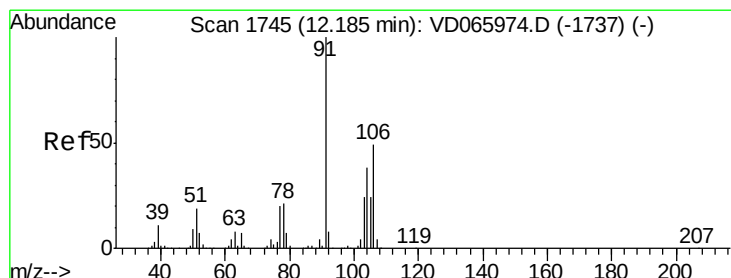
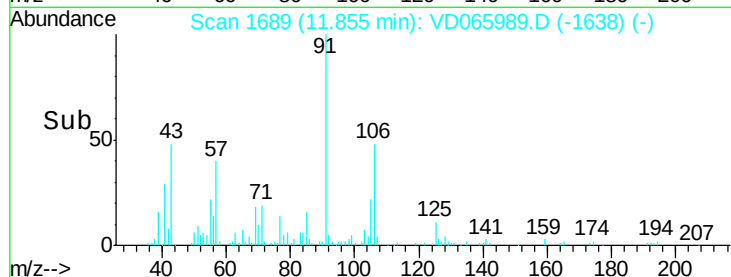
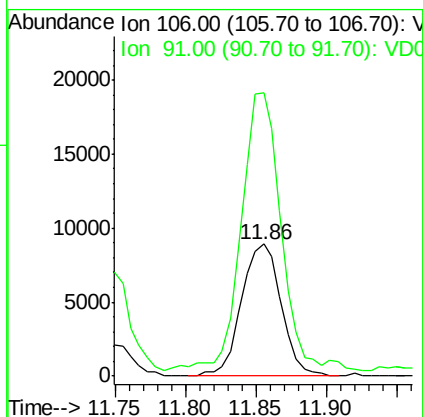
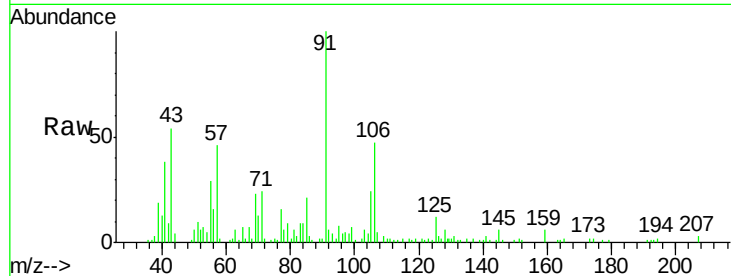




#68
m/p-Xylenes
Concen: 2.782 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

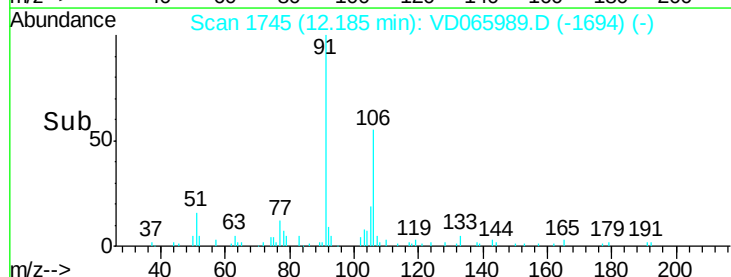
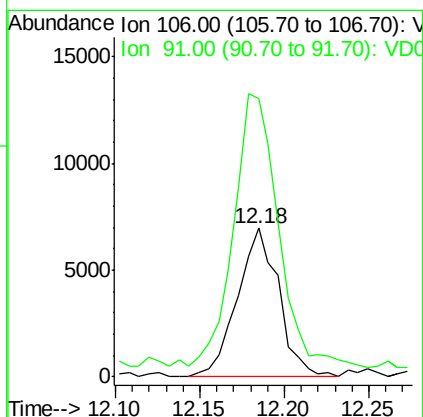
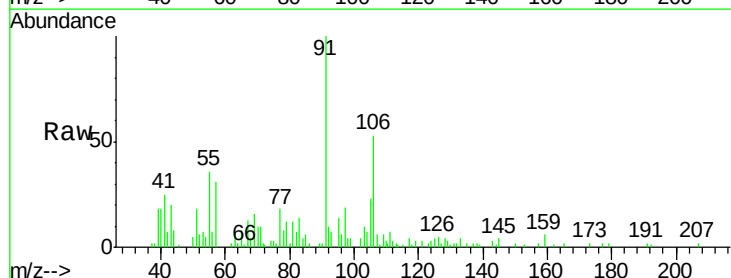
Instrument :
MSVOA_D
ClientSampled :
225

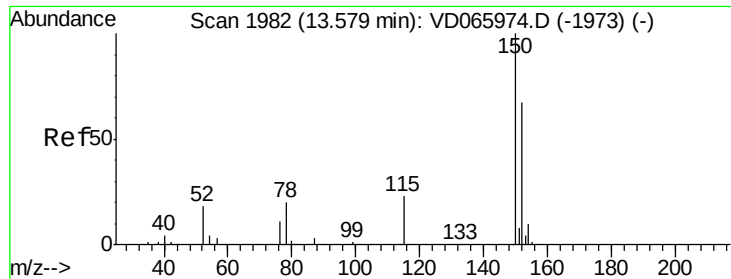
Tot Ion:106 Resp: 17621
Ion Ratio Lower Upper
106 100
91 212.8 157.0 235.6



#69
o-Xylene
Concen: 2.062 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Tgt Ion:106 Resp: 11879
Ion Ratio Lower Upper
106 100
91 199.5 103.1 309.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD065989.D

Acq: 21 Jul 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

225

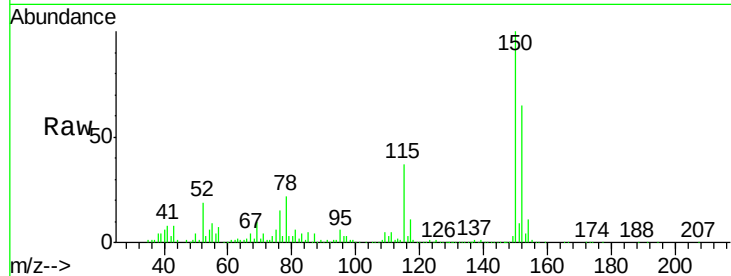
Tot Ion:152 Resp: 209395

Ion Ratio Lower Upper

152 100

115 52.7 27.9 83.7

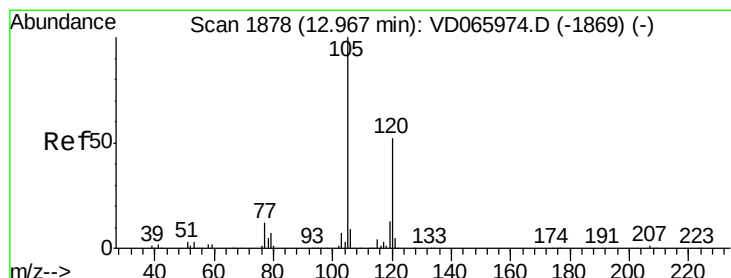
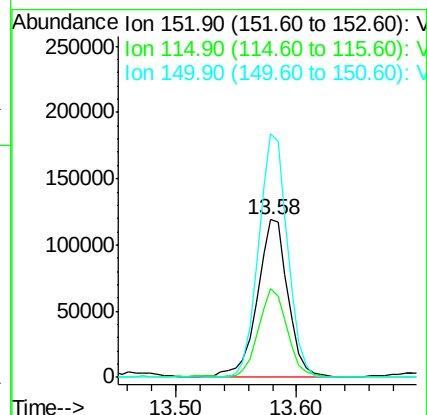
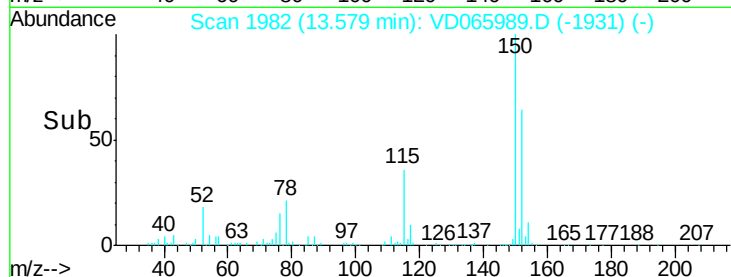
150 146.7 0.0 348.2



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



#80

1,3,5-Trimethylbenzene

Concen: 4.335 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065989.D

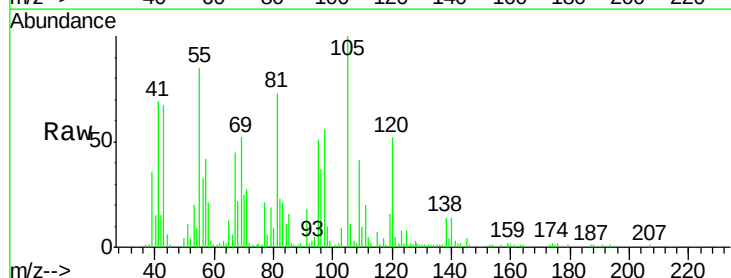
Acq: 21 Jul 2020 19:24

Tgt Ion:105 Resp: 45129

Ion Ratio Lower Upper

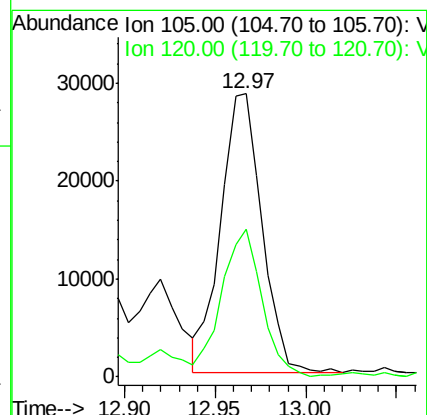
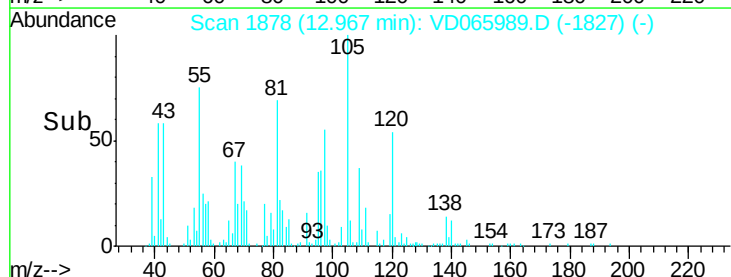
105 100

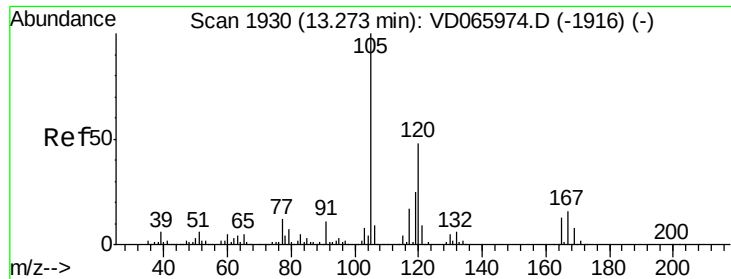
120 52.1 25.6 76.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

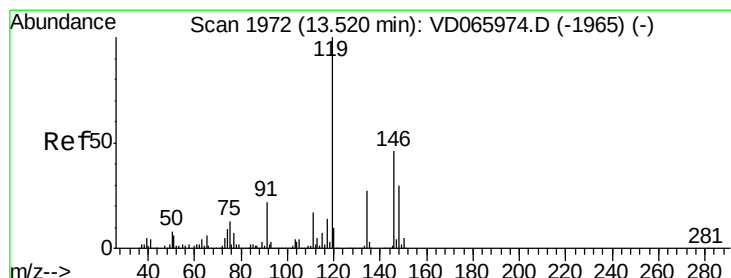
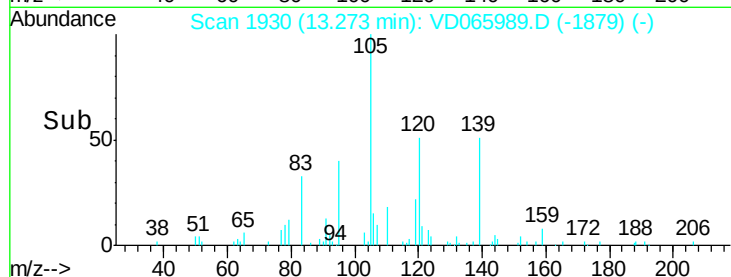
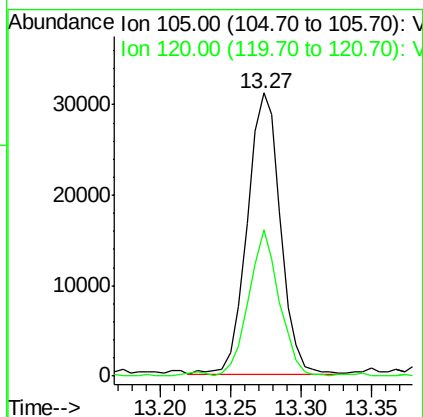
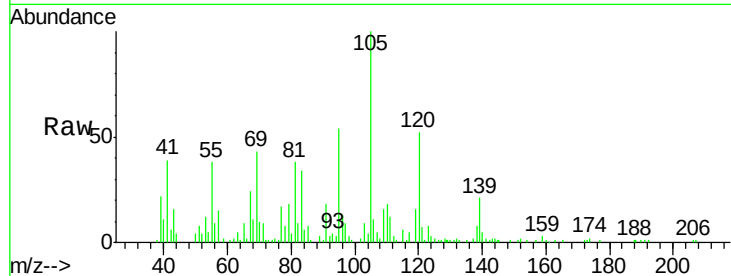




#84
 1,2,4-Trimethylbenzene
 Concen: 4.991 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065989.D
 Acq: 21 Jul 2020 19:24

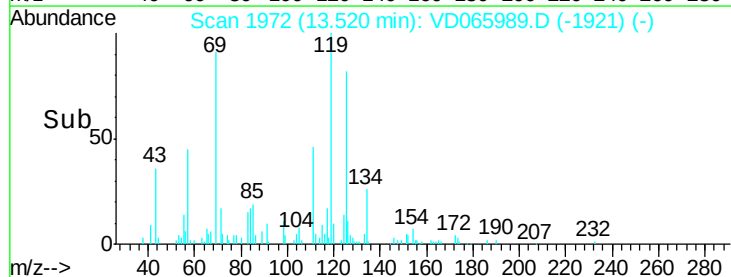
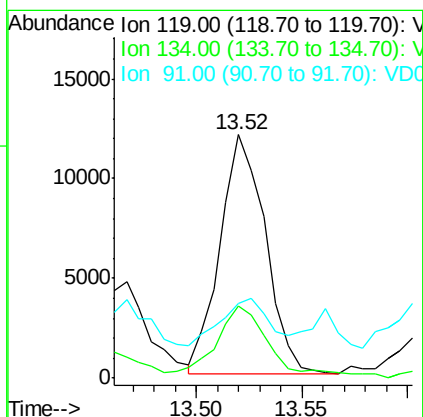
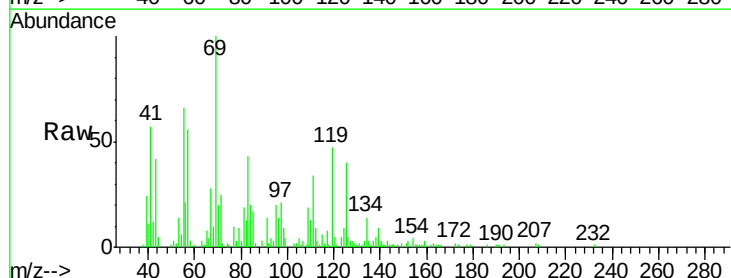
Instrument :
 MSVOA_D
 ClientSampleId :
 225

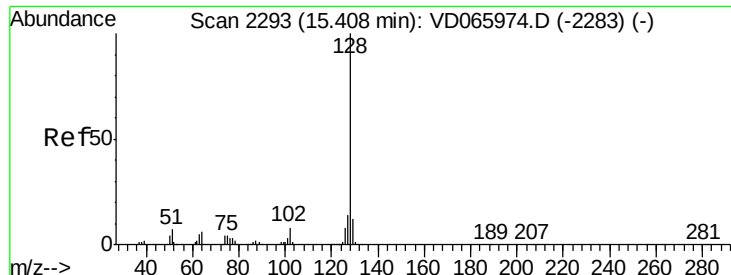
Tot Ion:105 Resp: 51257
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.9 71.8



#86
 p-Isopropyltoluene
 Concen: 1.561 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065989.D
 Acq: 21 Jul 2020 19:24

Tgt Ion:119 Resp: 17788
 Ion Ratio Lower Upper
 119 100
 134 36.9 13.4 40.2
 91 20.3 11.1 33.3

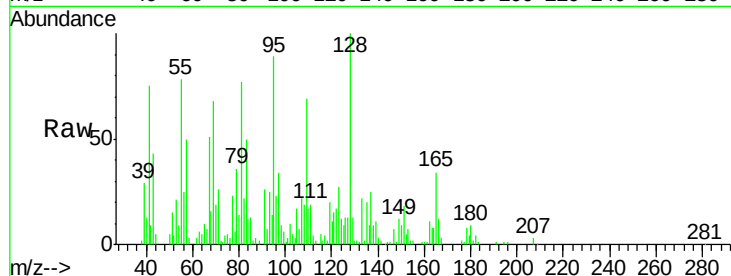




#95
Naphthalene
Concen: 12.070 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD065989.D
Acq: 21 Jul 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
225

Tot Ion	Ratio	Lower	Upper
128	100		
127	19.1	10.8	16.2#
129	13.0	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

