

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065184.D
 Acq On : 14 Feb 2020 10:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 00:08:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	645512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	579843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	199436	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.92	113	212307	58.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.90%	
50) Toluene-d8	10.34	98	831144	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
62) 4-Bromofluorobenzene	12.64	95	257932	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	171232	46.552	ug/l	99
3) Chloromethane	2.21	50	225537	52.088	ug/l	96
4) Vinyl Chloride	2.36	62	233744	51.045	ug/l	99
5) Bromomethane	2.78	94	144306	48.602	ug/l	98
6) Chloroethane	2.93	64	147414	51.897	ug/l	93
7) Trichlorofluoromethane	3.27	101	327377	49.125	ug/l	99
8) Diethyl Ether	3.71	74	92176	48.181	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197178	48.400	ug/l	99
10) Methyl Iodide	4.30	142	229552	49.366	ug/l	98
11) Tert butyl alcohol	5.23	59	48134	209.705	ug/l	98
12) 1,1-Dichloroethene	4.07	96	190184	48.744	ug/l	97
13) Acrolein	3.93	56	52374	185.514	ug/l	97
14) Allyl chloride	4.71	41	326118	50.291	ug/l	97
15) Acrylonitrile	5.43	53	196619	235.079	ug/l	99
16) Acetone	4.16	43	245592	261.477	ug/l	99
17) Carbon Disulfide	4.40	76	636520	50.809	ug/l	97
18) Methyl Acetate	4.73	43	92657	47.217	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	404374	46.867	ug/l	96
20) Methylene Chloride	4.96	84	223451	54.375	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	230269	52.164	ug/l	95
22) Diisopropyl ether	6.37	45	652198	53.321	ug/l	99
23) Vinyl Acetate	6.31	43	1706562	250.317	ug/l	99
24) 1,1-Dichloroethane	6.27	63	393732	53.182	ug/l	98
25) 2-Butanone	7.22	43	277007	247.242	ug/l	96
26) 2,2-Dichloropropane	7.21	77	345331	52.039	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	242420	51.692	ug/l	100
28) Bromochloromethane	7.55	49	160249	57.100	ug/l	98
29) Tetrahydrofuran	7.57	42	157276	232.129	ug/l	98
30) Chloroform	7.71	83	395262	53.618	ug/l	94
31) Cyclohexane	7.98	56	342445	45.822	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	354145	51.573	ug/l	99
36) 1,1-Dichloropropene	8.11	75	318078	52.993	ug/l	99
37) Ethyl Acetate	7.30	43	114395	46.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	317607	51.809	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355636	48.002	ug/l	98
40) Benzene	8.36	78	897118	54.124	ug/l	98
41) Methacrylonitrile	7.57	41	158176	117.086	ug/l #	19
42) 1,2-Dichloroethane	8.43	62	236568	50.090	ug/l	98
43) Isopropyl Acetate	8.46	43	210322	44.837	ug/l	96
44) Trichloroethene	9.11	130	246698	51.853	ug/l	99
45) 1,2-Dichloropropane	9.39	63	219908	55.336	ug/l	97
46) Dibromomethane	9.48	93	108124	51.776	ug/l	96
47) Bromodichloromethane	9.67	83	295990	53.793	ug/l	100
48) Methyl methacrylate	9.46	41	102286	45.315	ug/l	96
49) 1,4-Dioxane	9.47	88	24658	996.920	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	560044	242.561	ug/l	99
52) Toluene	10.41	92	577082	54.550	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	273953	51.136	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	339863	53.042	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	150541	52.556	ug/l	98
56) Ethyl methacrylate	10.67	69	180045	49.678	ug/l	97
57) 1,3-Dichloropropane	10.96	76	261603	51.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	274626	233.253	ug/l	98
59) 2-Hexanone	10.99	43	435540	266.314	ug/l	99
60) Dibromochloromethane	11.15	129	195573	52.714	ug/l	98
61) 1,2-Dibromoethane	11.25	107	141126	50.423	ug/l	99
64) Tetrachloroethene	10.88	164	206159	49.480	ug/l	97
65) Chlorobenzene	11.68	112	597927	53.315	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	219916	53.130	ug/l	99
67) Ethyl Benzene	11.75	91	1080745	53.041	ug/l	99
68) m/p-Xylenes	11.86	106	840453	108.072	ug/l	99
69) o-Xylene	12.19	106	371594	53.061	ug/l	100
70) Styrene	12.20	104	662128	54.399	ug/l	99
71) Bromoform	12.37	173	111991	50.266	ug/l #	100
73) Isopropylbenzene	12.48	105	1014536	51.431	ug/l	99
74) N-amyl acetate	12.30	43	194404	45.342	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	151099	48.670	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	203527	93.536	ug/l #	100
77) Bromobenzene	12.77	156	237829	50.041	ug/l	98
78) n-propylbenzene	12.83	91	1223715	52.973	ug/l	98
79) 2-Chlorotoluene	12.91	91	662438	51.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	844657	52.340	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	50582	46.491	ug/l	98
82) 4-Chlorotoluene	13.01	91	707871	52.343	ug/l	100
83) tert-Butylbenzene	13.23	119	719412	51.672	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	835867	52.172	ug/l	100
85) sec-Butylbenzene	13.41	105	992397	52.188	ug/l	100
86) p-Isopropyltoluene	13.53	119	927302	52.485	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	464801	52.234	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	446707	50.438	ug/l	99
89) n-Butylbenzene	13.86	91	850819	52.174	ug/l	99
90) Hexachloroethane	14.13	117	176388	52.723	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	385426	50.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	23598	46.563	ug/l	97

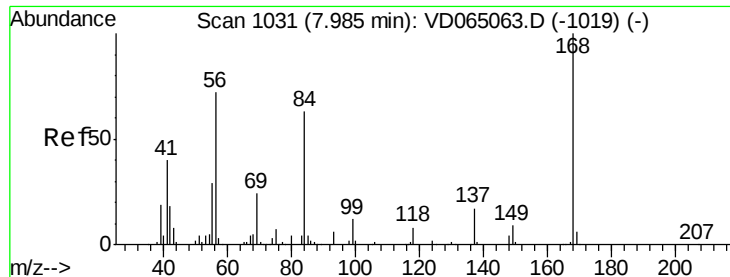
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	260036	47.734	ug/l	99
94) Hexachlorobutadiene	15.28	225	161940	48.346	ug/l	99
95) Naphthalene	15.42	128	393377	43.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	215028	46.147	ug/l	98

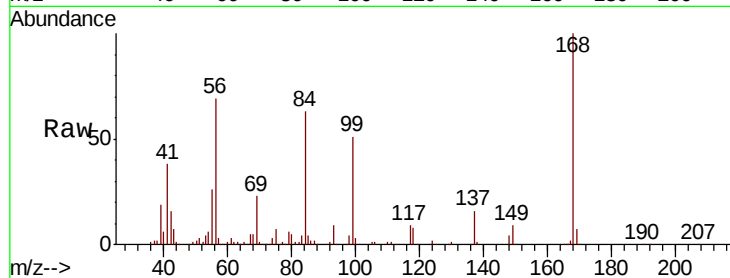
(#) = qualifier out of range (m) = manual integration (+) = signals summed



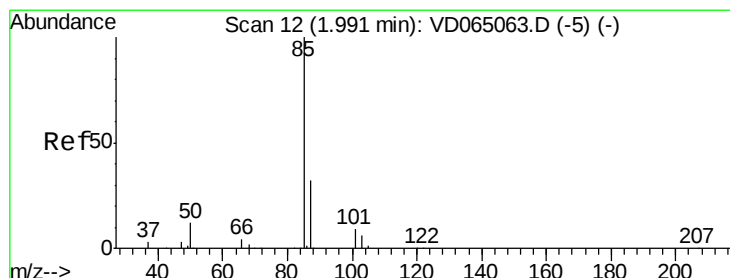
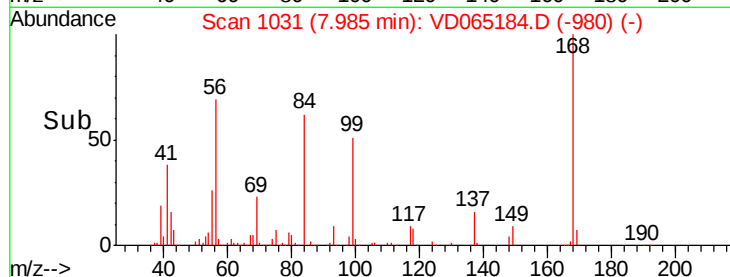
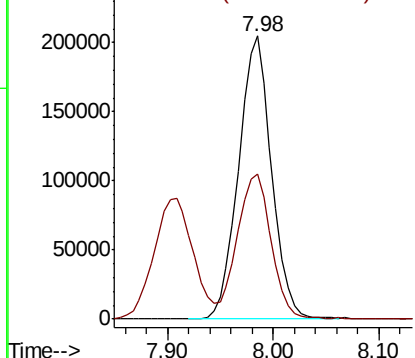
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 442014
Ion Ratio Lower Upper
168 100
99 50.9 41.0 61.6

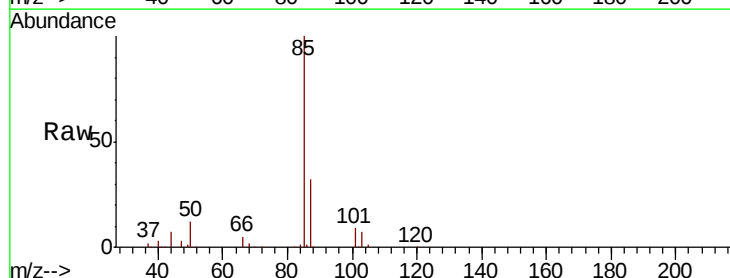


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

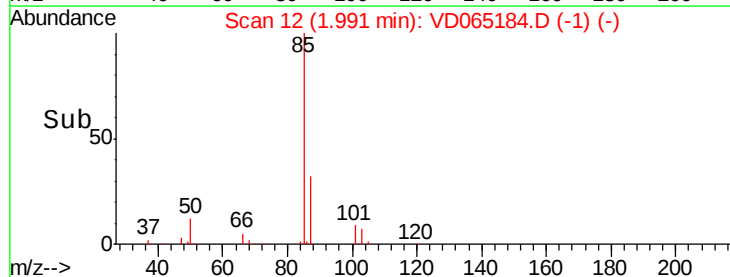
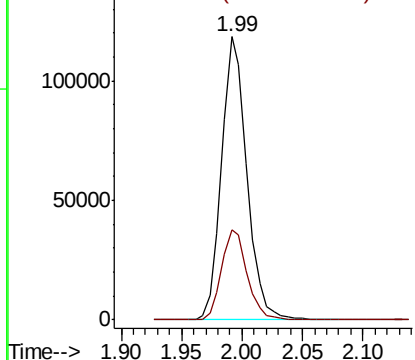


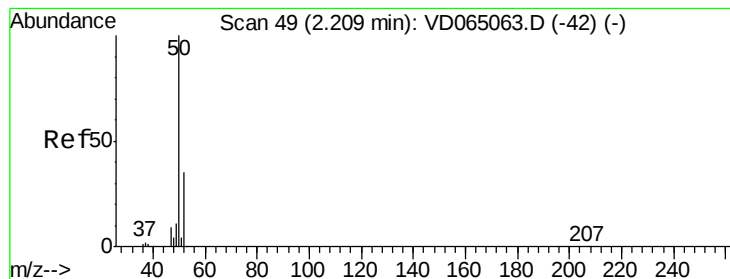
#2
Dichlorodifluoromethane
Concen: 46.552 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 85 Resp: 171232
Ion Ratio Lower Upper
85 100
87 32.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC
Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.088 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

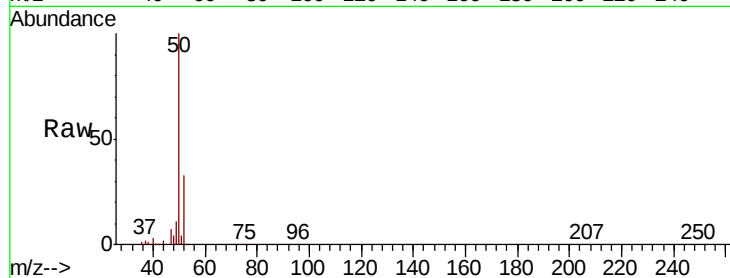
ClientSampleId :

Tot Ion: 50 Resp: 22537

Ion Ratio Lower Upper

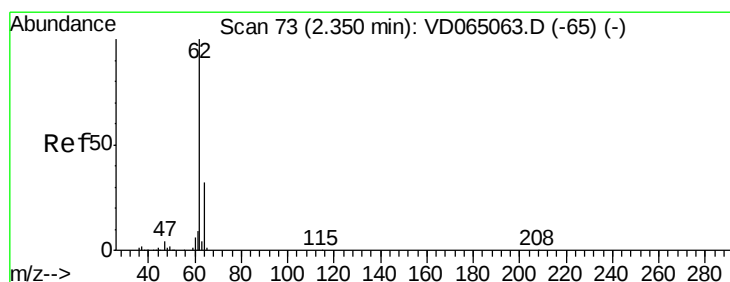
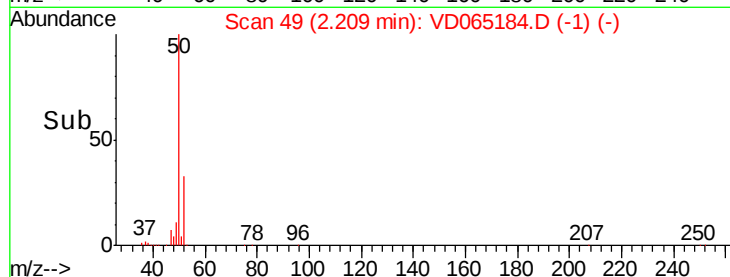
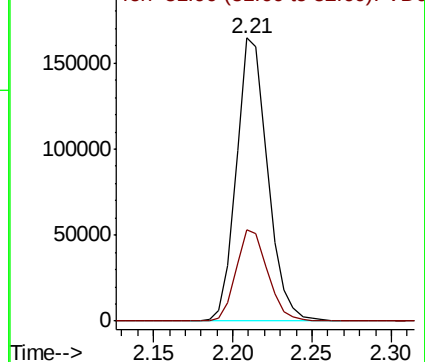
50 100

52 32.5 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.045 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065184.D

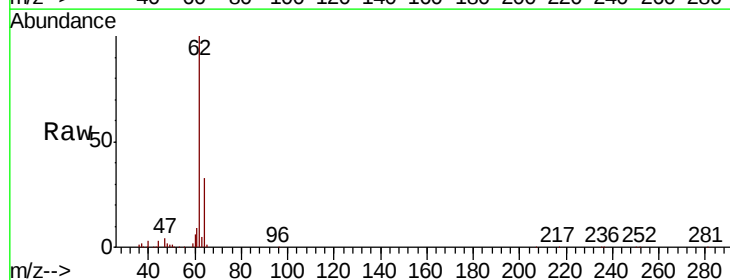
Acq: 14 Feb 2020 10:16

Tgt Ion: 62 Resp: 233744

Ion Ratio Lower Upper

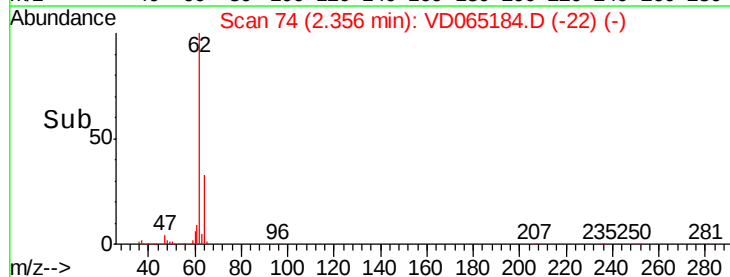
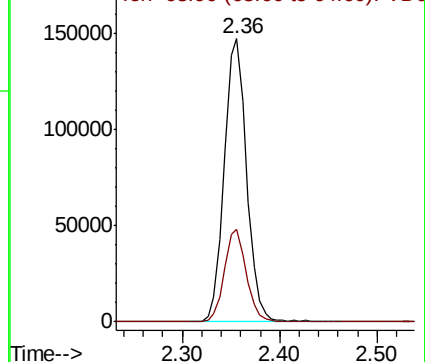
62 100

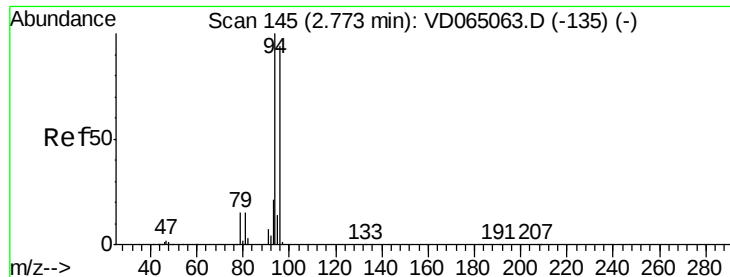
64 32.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.602 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

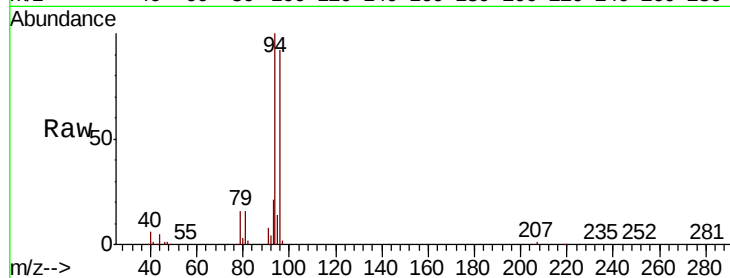
ClientSampleId :

Tot Ion: 94 Resp: 144306

Ion Ratio Lower Upper

94 100

96 92.0 75.4 113.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

60000

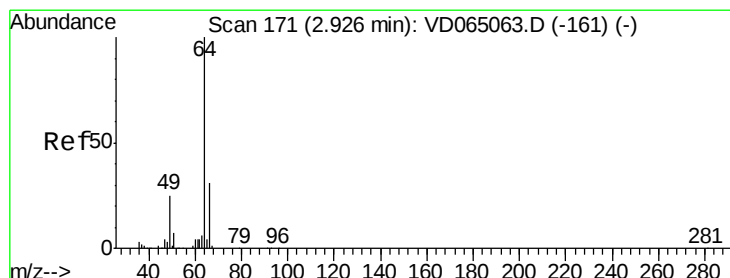
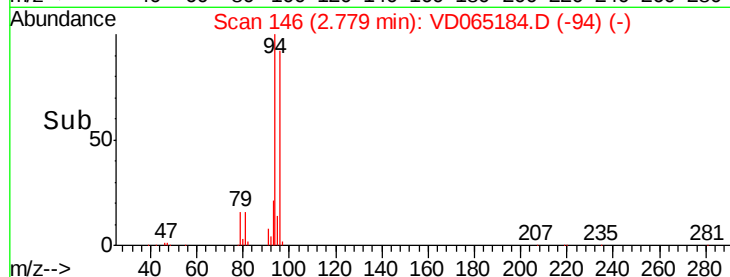
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 51.897 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065184.D

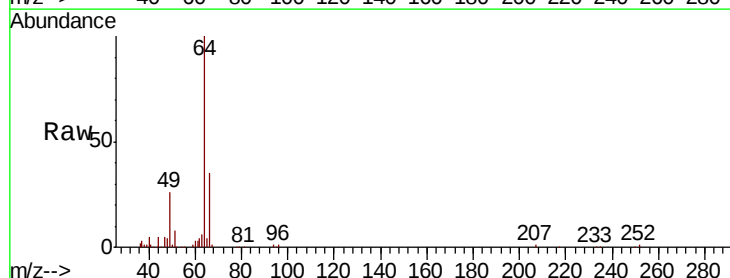
Acq: 14 Feb 2020 10:16

Tgt Ion: 64 Resp: 147414

Ion Ratio Lower Upper

64 100

66 34.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

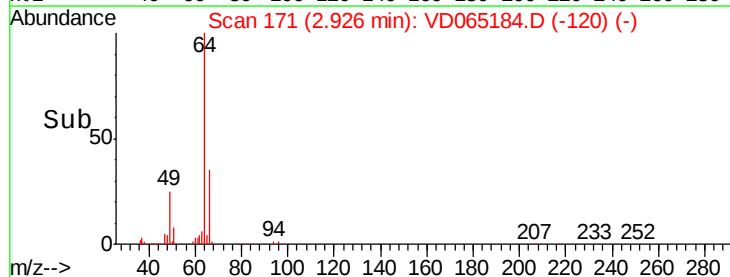
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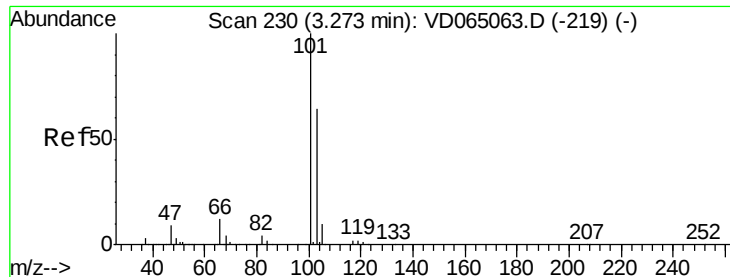
20000

0

Time-->

2.80 2.90 3.00



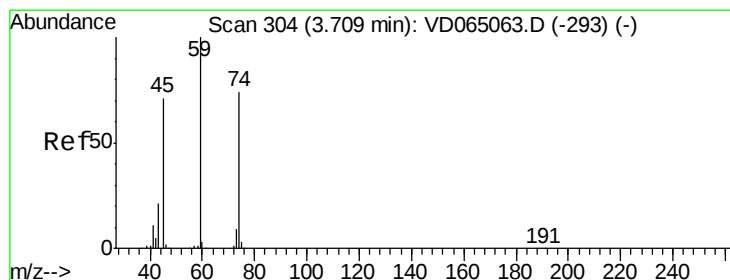
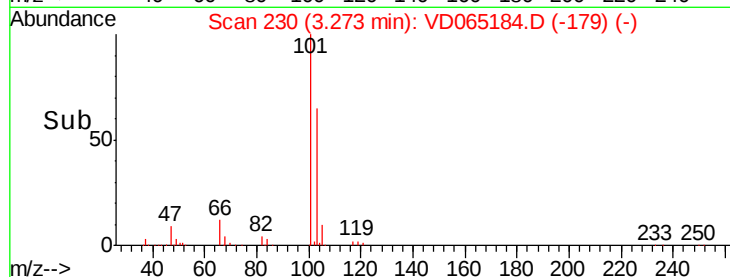
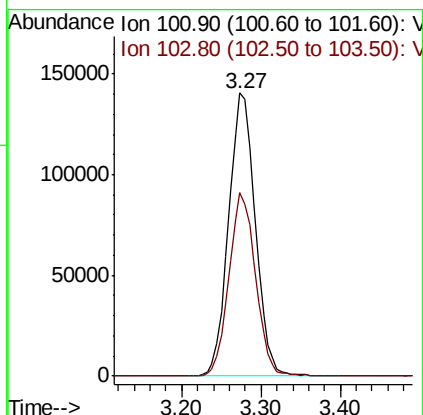
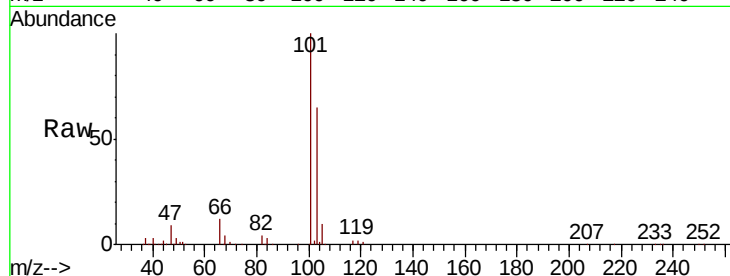


#7

Trichlorofluoromethane
 Concen: 49.125 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampled :

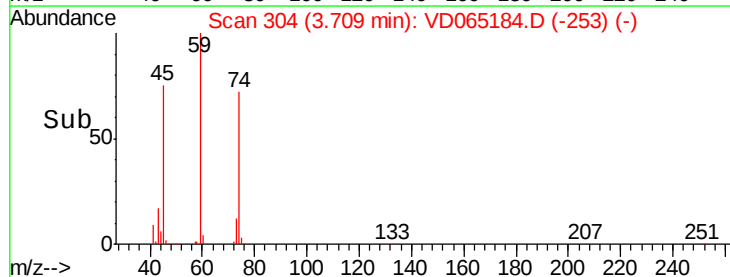
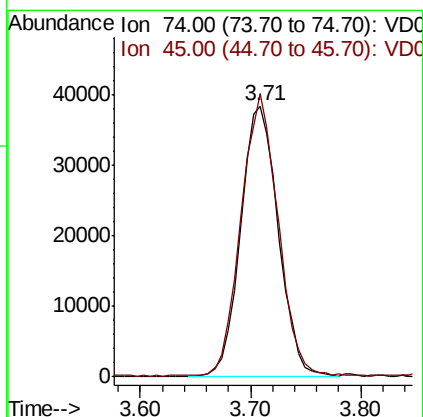
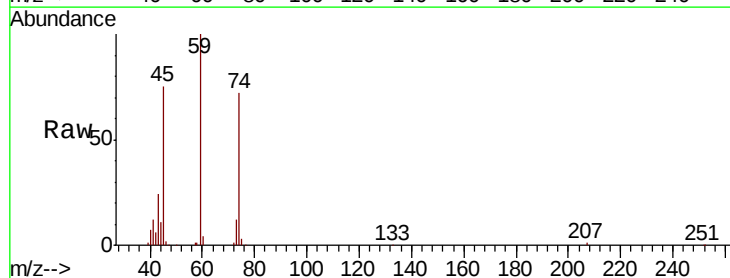
Tot Ion:101 Resp: 327377
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.0 76.6

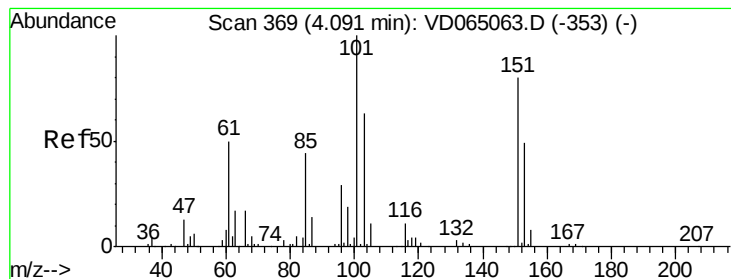


#8

Diethyl Ether
 Concen: 48.181 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion: 74 Resp: 92176
 Ion Ratio Lower Upper
 74 100
 45 103.6 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.400 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

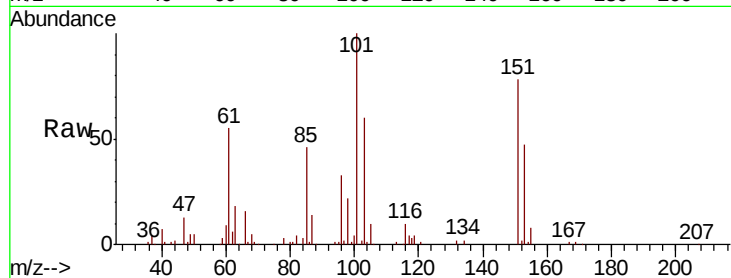
Tot Ion:101 Resp: 197178

Ion Ratio Lower Upper

101 100

85 43.4 34.0 51.0

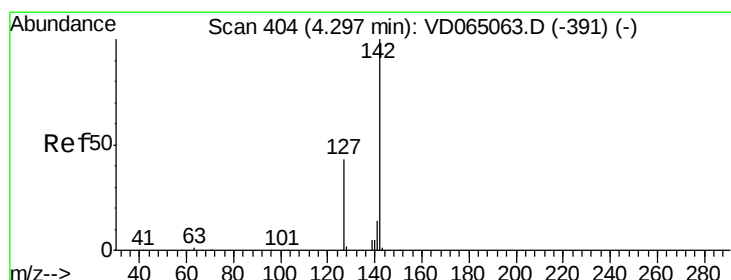
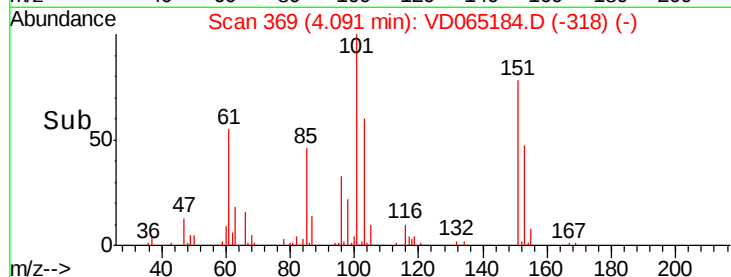
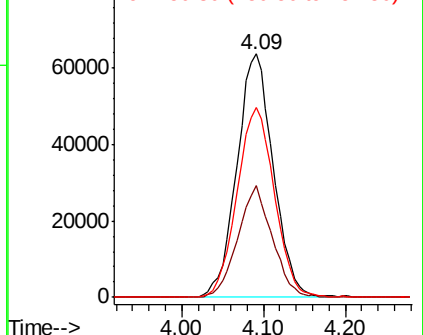
151 80.2 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.366 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

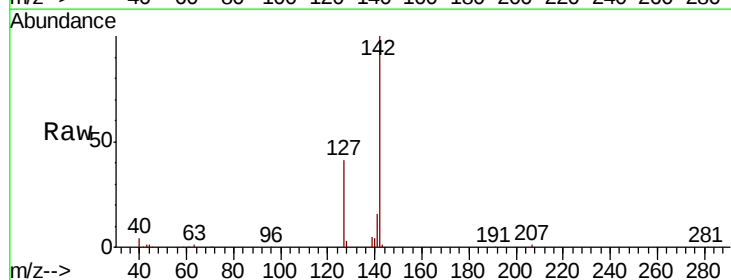
Tgt Ion:142 Resp: 229552

Ion Ratio Lower Upper

142 100

127 43.6 34.0 51.0

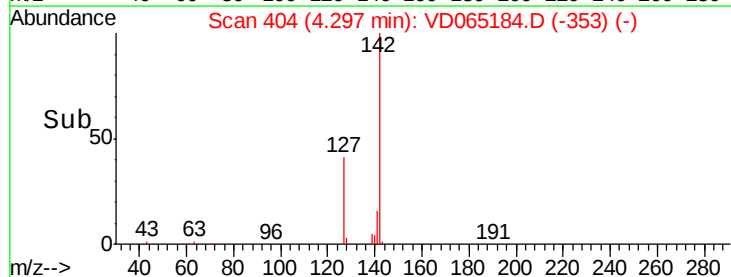
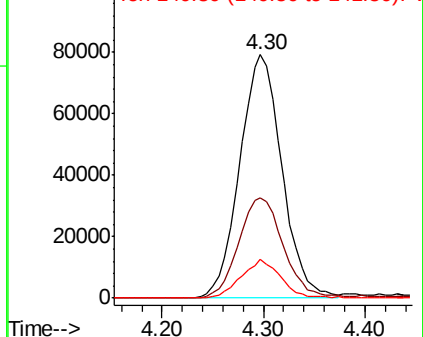
141 15.0 11.6 17.4

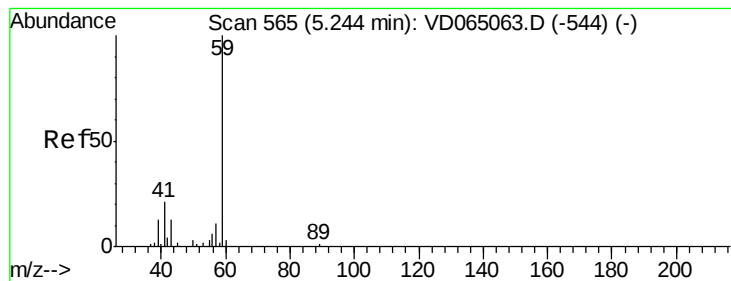


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



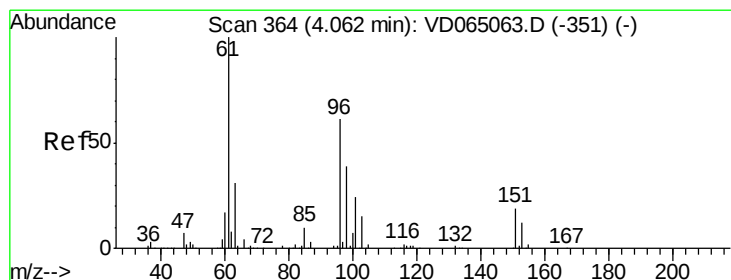
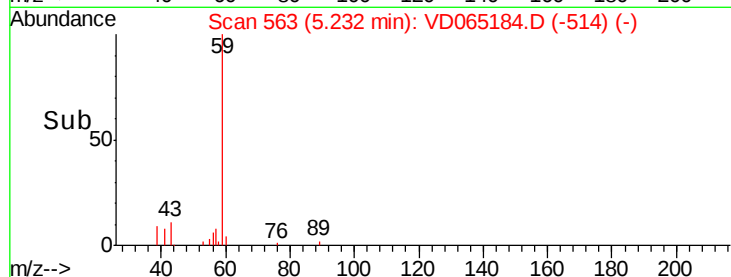
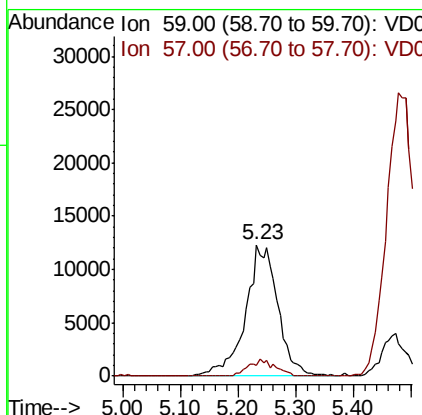
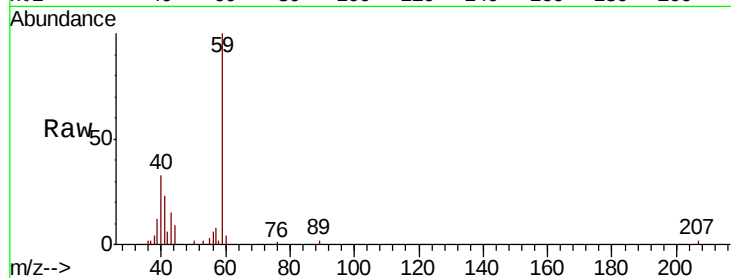


#11

Tert butyl alcohol
Concen: 209.705 ug/l
RT: 5.23 min Scan# 563
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampled :

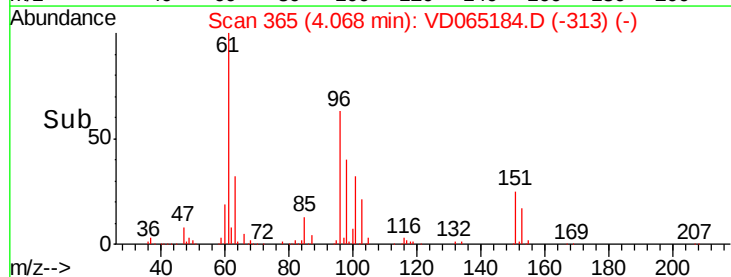
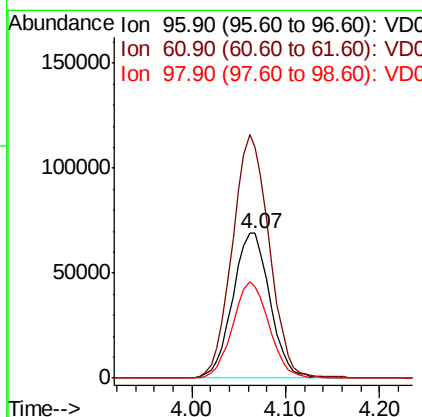
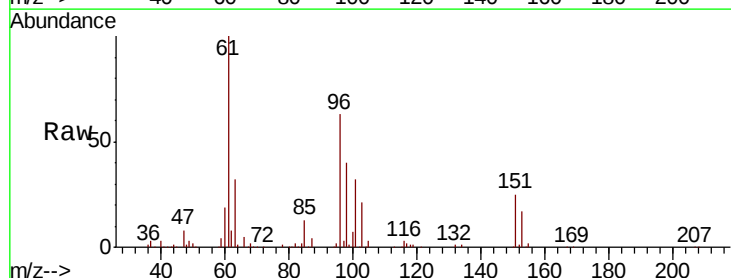
Tot Ion: 59 Resp: 48134
Ion Ratio Lower Upper
59 100
57 10.2 8.8 13.2



#12

1,1-Dichloroethene
Concen: 48.744 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 96 Resp: 190184
Ion Ratio Lower Upper
96 100
61 159.0 131.4 197.2
98 63.3 51.1 76.7





#13

Acrolein

Concen: 185.514 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

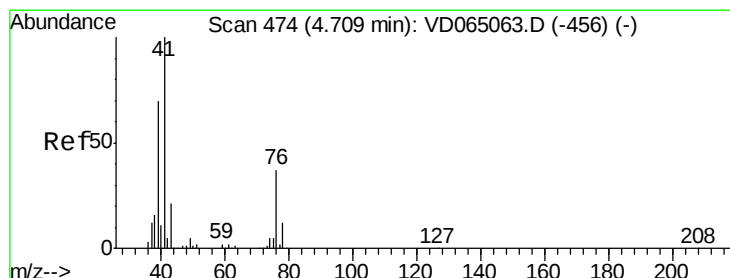
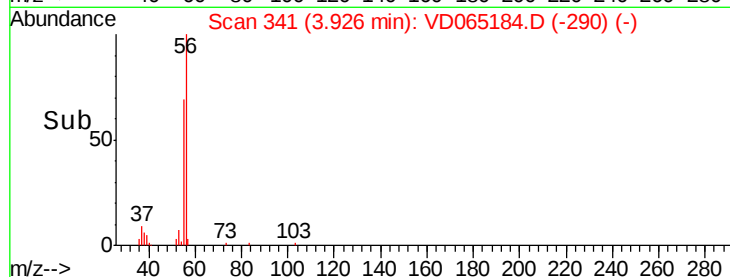
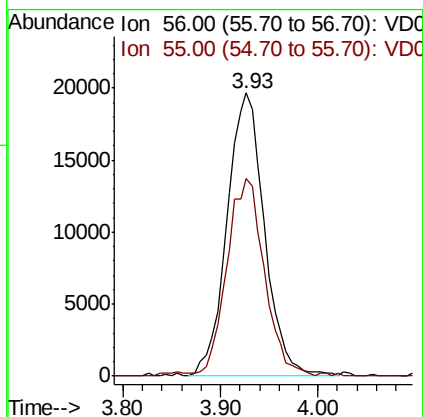
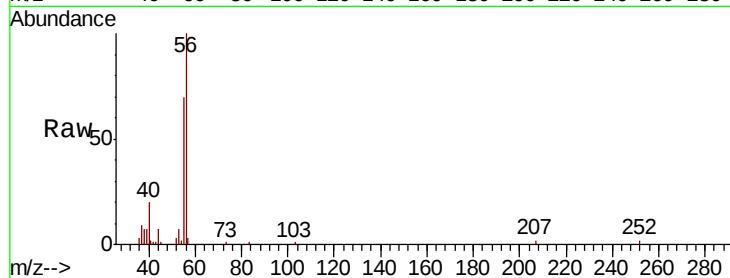
ClientSampleId :

Tot Ion: 56 Resp: 52374

Ion Ratio Lower Upper

56 100

55 70.0 58.2 87.2



#14

Allyl chloride

Concen: 50.291 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

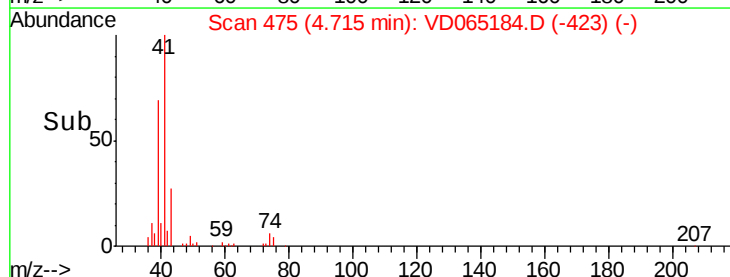
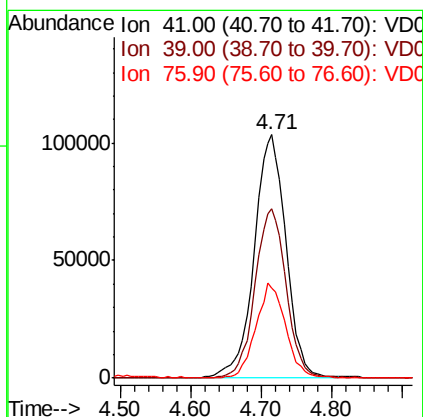
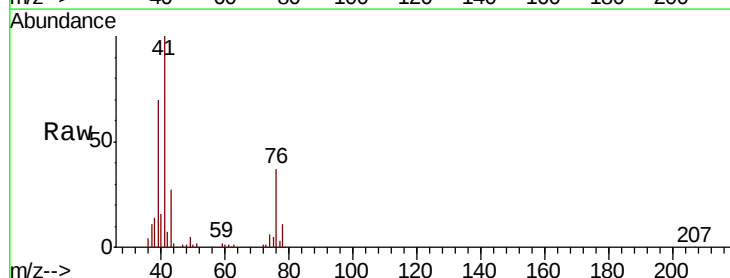
Tgt Ion: 41 Resp: 326118

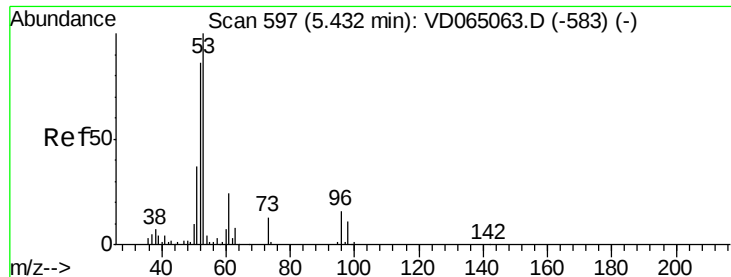
Ion Ratio Lower Upper

41 100

39 68.2 57.1 85.7

76 36.5 28.0 42.0





#15

Acrylonitrile

Concen: 235.079 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

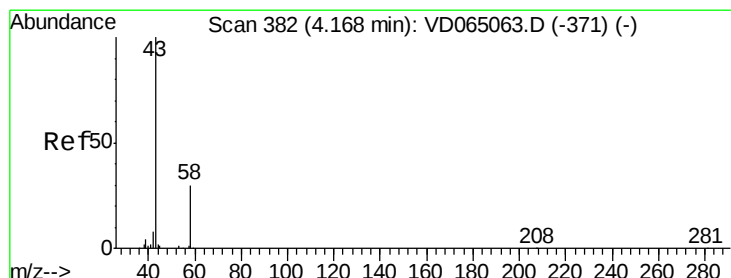
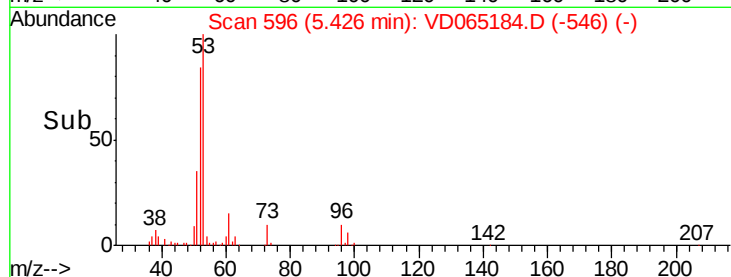
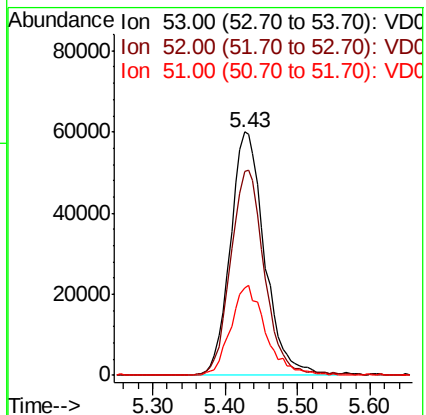
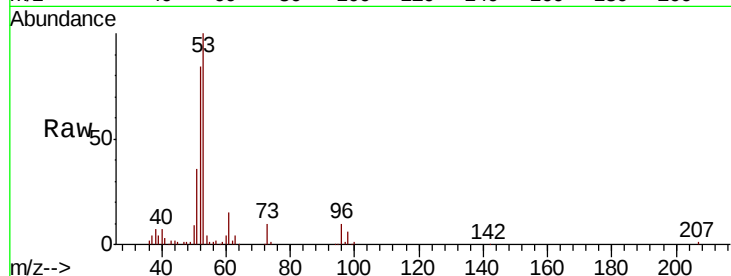
Tot Ion: 53 Resp: 196619

Ion Ratio Lower Upper

53 100

52 83.5 66.2 99.2

51 37.8 30.4 45.6



#16

Acetone

Concen: 261.477 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065184.D

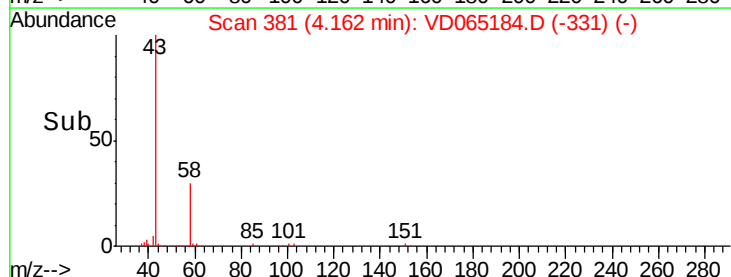
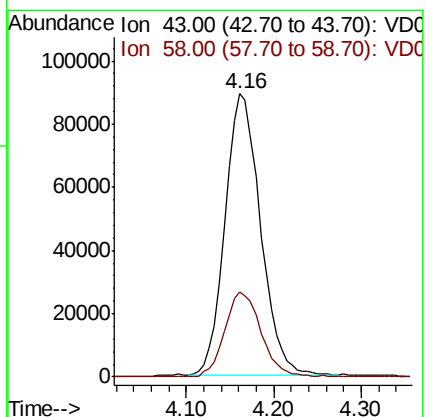
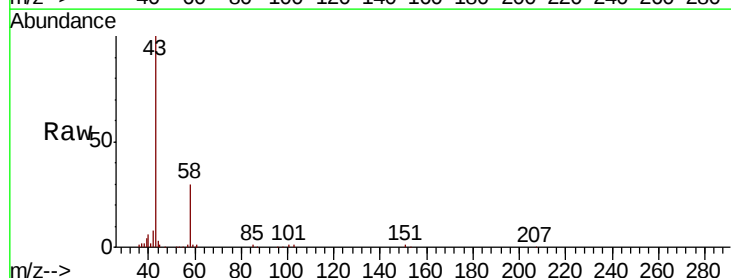
Acq: 14 Feb 2020 10:16

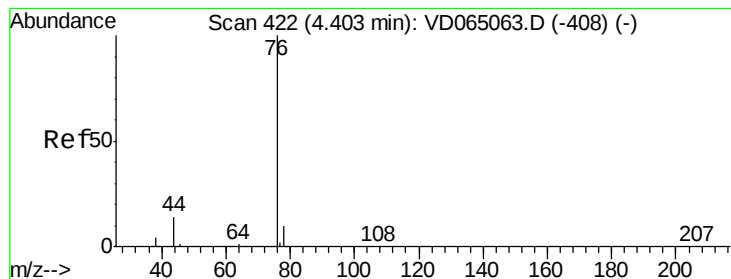
Tgt Ion: 43 Resp: 245592

Ion Ratio Lower Upper

43 100

58 30.1 23.5 35.3





#17

Carbon Disulfide

Concen: 50.809 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

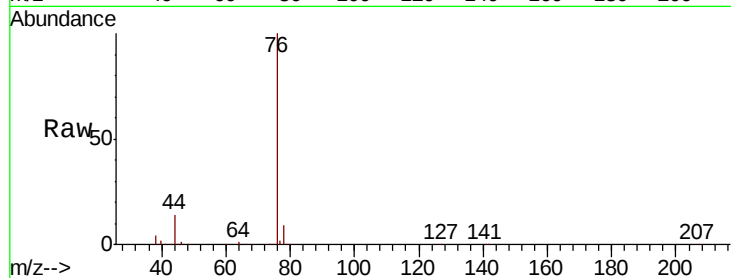
ClientSampleId :

Tot Ion: 76 Resp: 636520

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

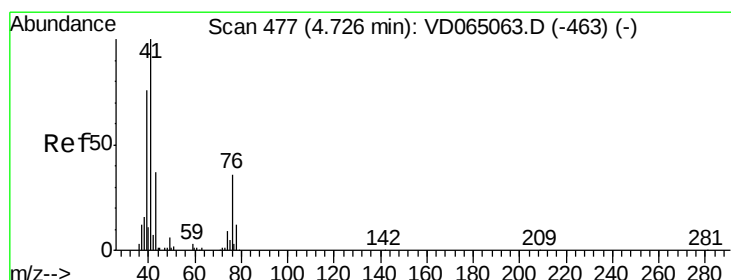
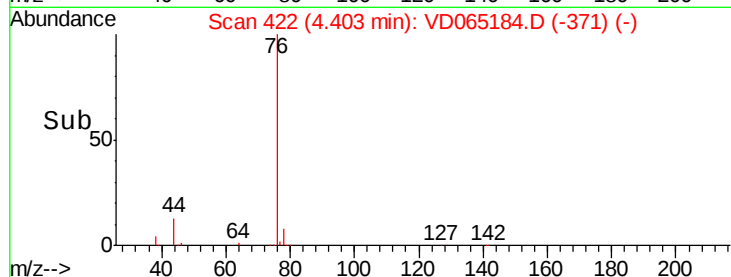
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.217 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065184.D

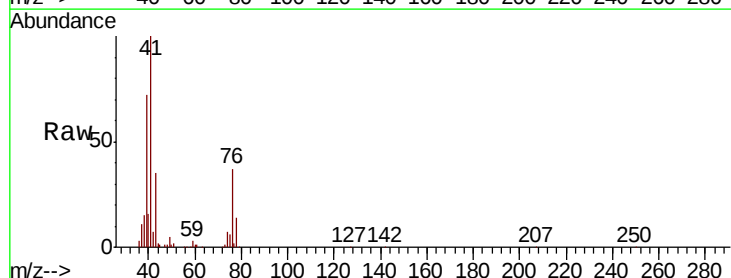
Acq: 14 Feb 2020 10:16

Tgt Ion: 43 Resp: 92657

Ion Ratio Lower Upper

43 100

74 23.6 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

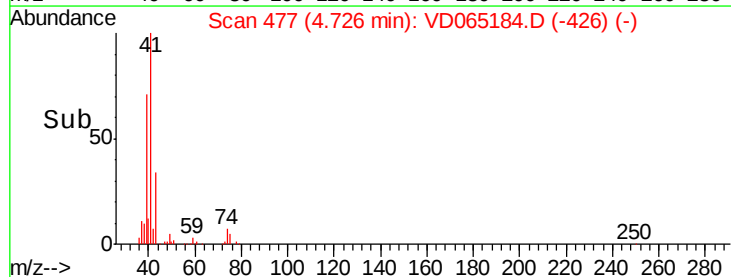
30000

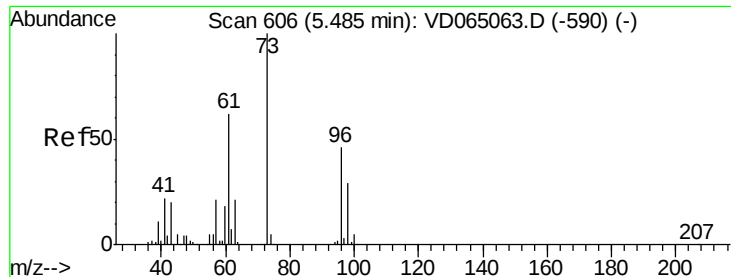
20000

10000

0

Time-->

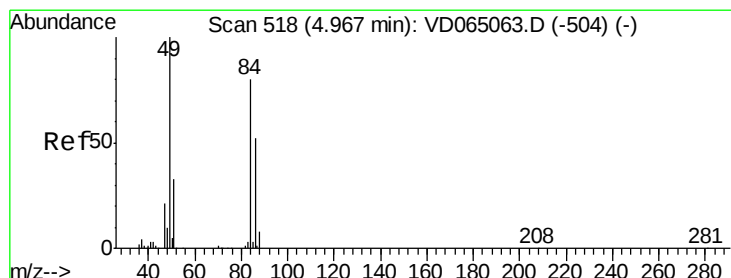
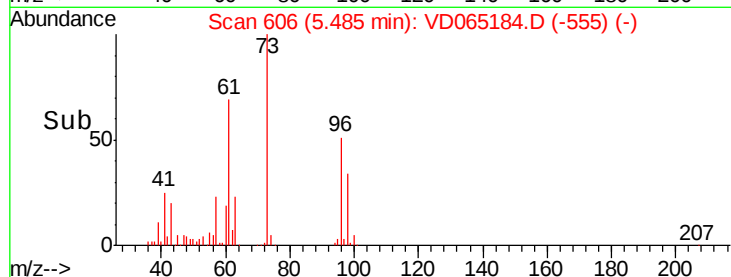
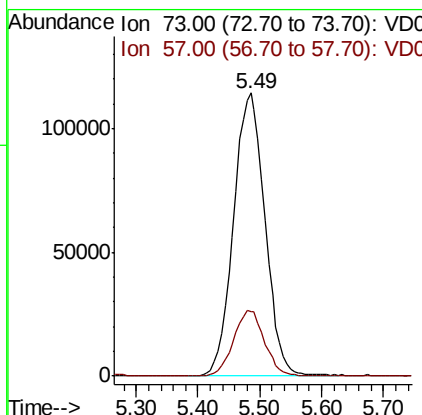
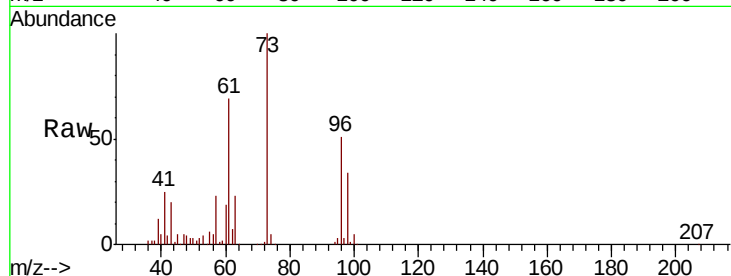




#19
Methvl tert-butvl Ether
Concen: 46.867 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

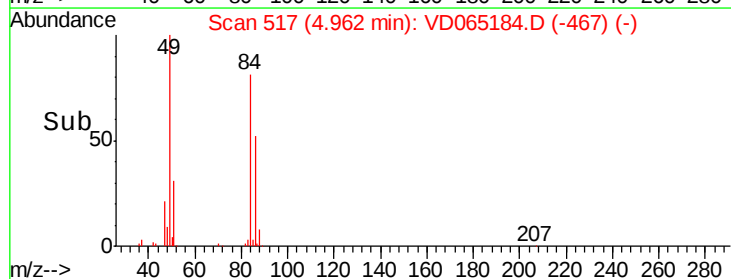
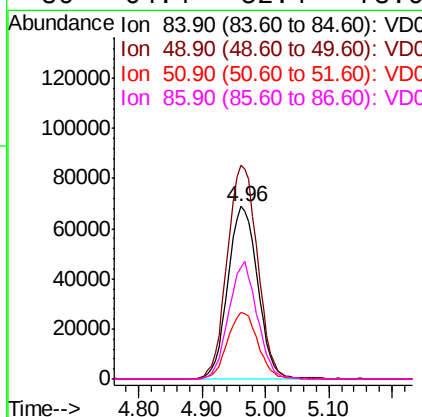
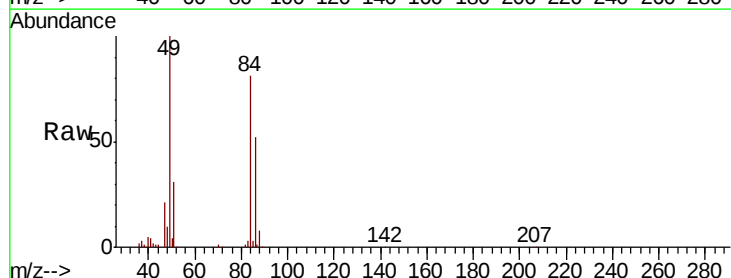
Instrument :
MSVOA_D
ClientSampled :

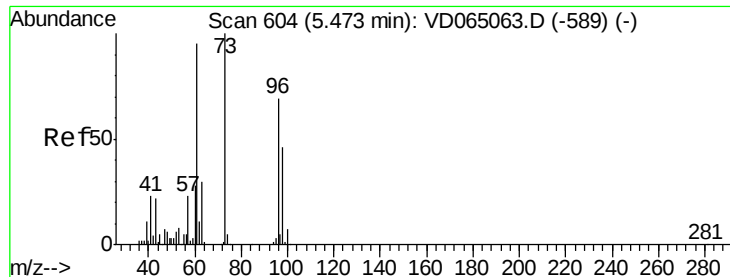
Tot Ion: 73 Resp: 404374
Ion Ratio Lower Upper
73 100
57 22.9 16.8 25.2



#20
Methylene Chloride
Concen: 54.375 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 84 Resp: 223451
Ion Ratio Lower Upper
84 100
49 123.8 100.4 150.6
51 38.6 32.7 49.1
86 64.4 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 52.164 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampled :

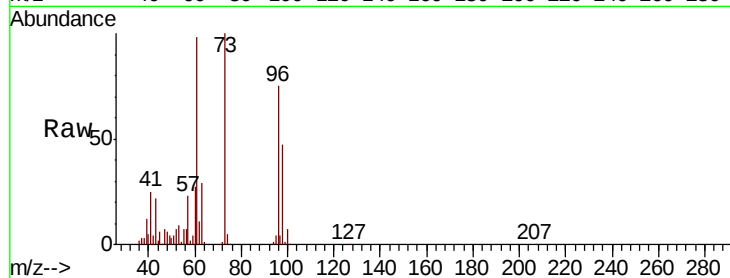
Tot Ion: 96 Resp: 230269

Ion Ratio Lower Upper

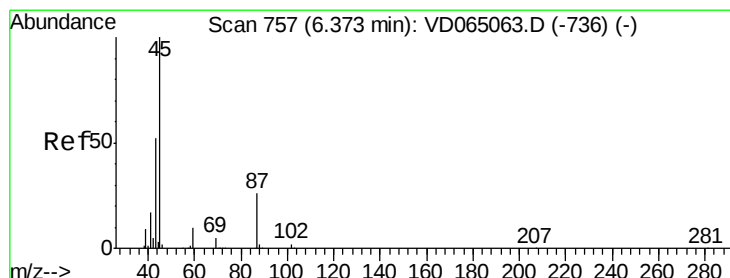
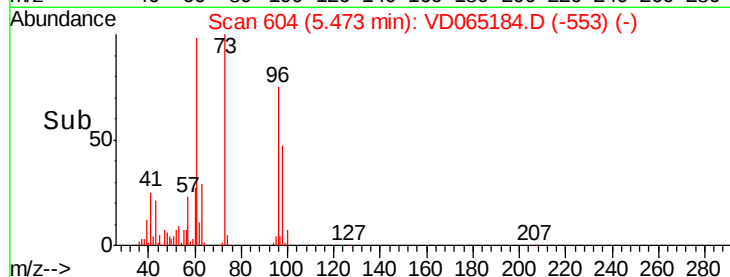
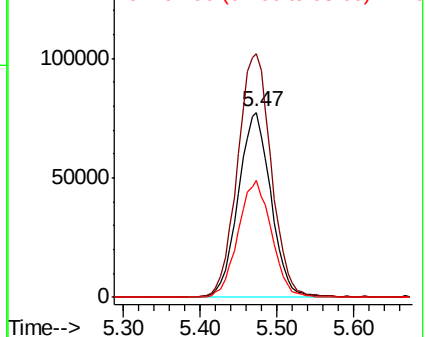
96 100

61 131.5 109.5 164.3

98 63.3 53.7 80.5



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 53.321 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion: 45 Resp: 652198

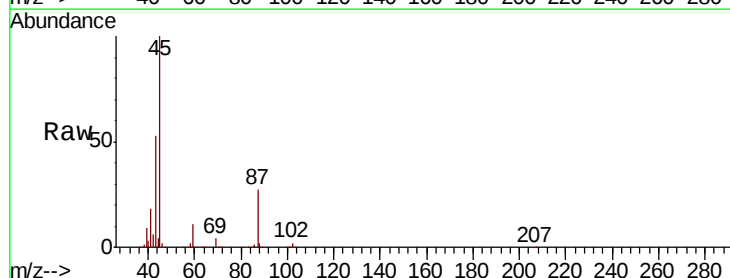
Ion Ratio Lower Upper

45 100

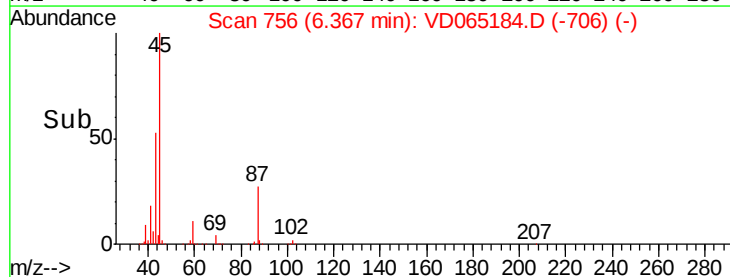
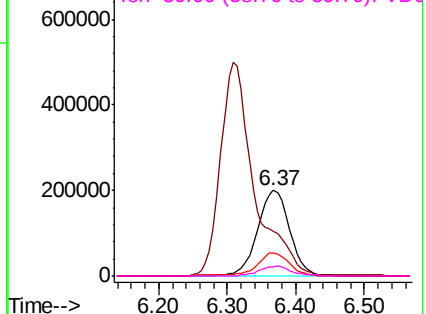
43 52.5 41.3 61.9

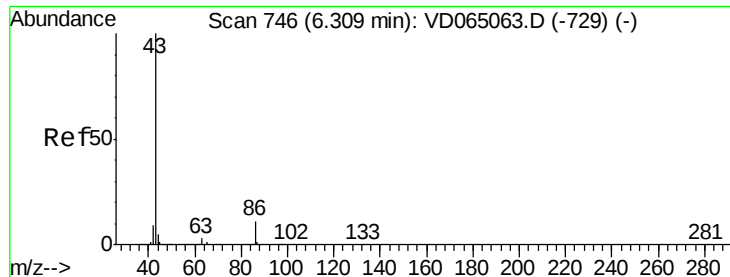
87 27.1 21.0 31.6

59 10.5 8.2 12.4



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 250.317 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

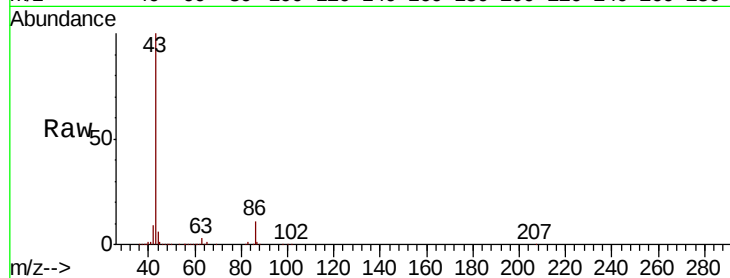
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1706562

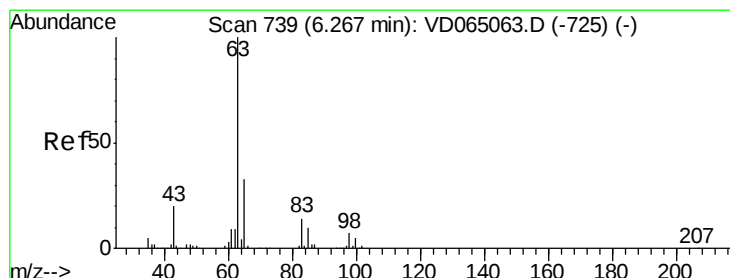
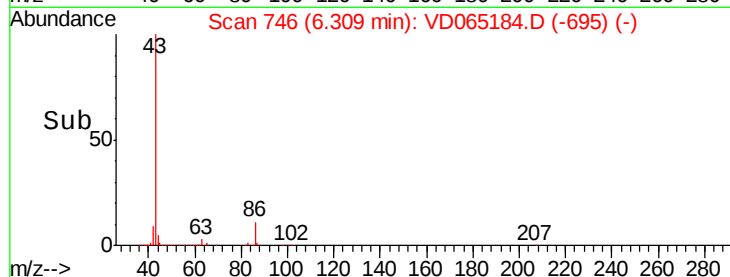
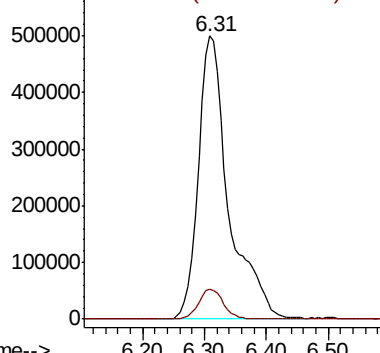
Ion Ratio Lower Upper

43 100

86 10.8 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.182 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

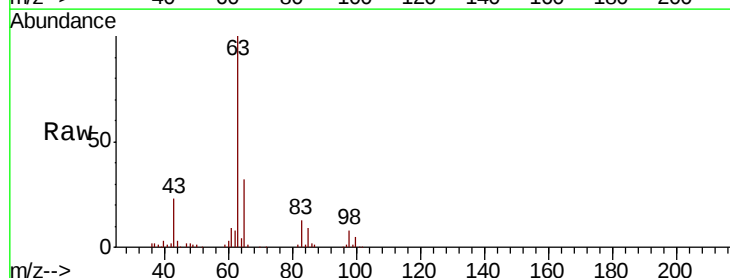
Tgt Ion: 63 Resp: 393732

Ion Ratio Lower Upper

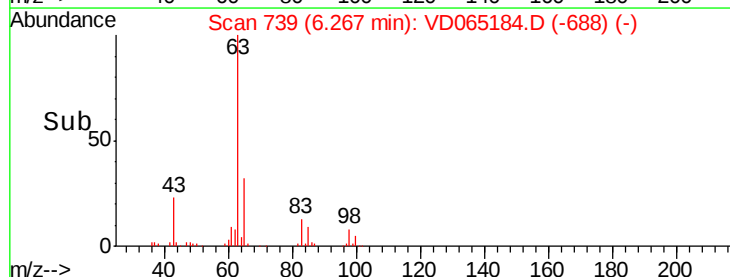
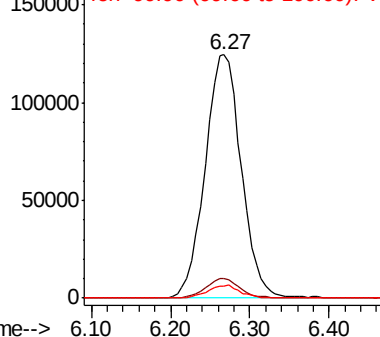
63 100

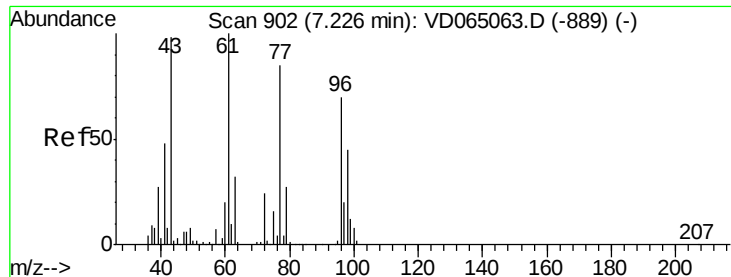
98 7.9 3.5 10.4

100 4.8 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 97.90 (97.60 to 98.60): VDC
Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 247.242 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

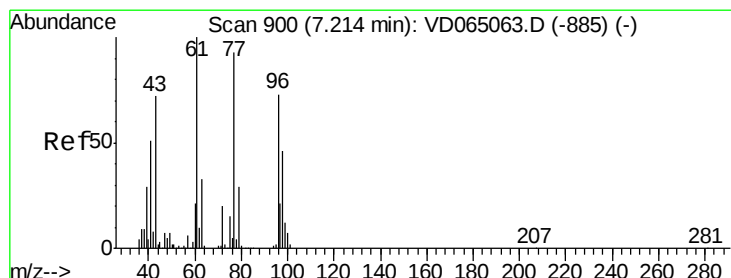
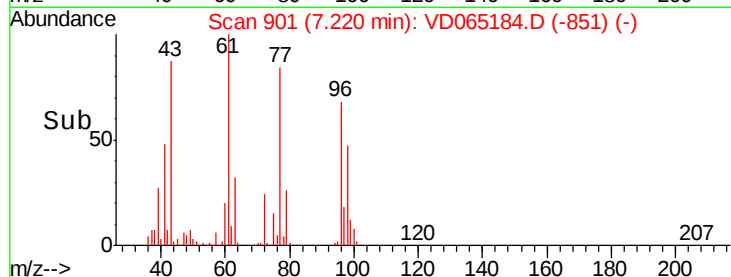
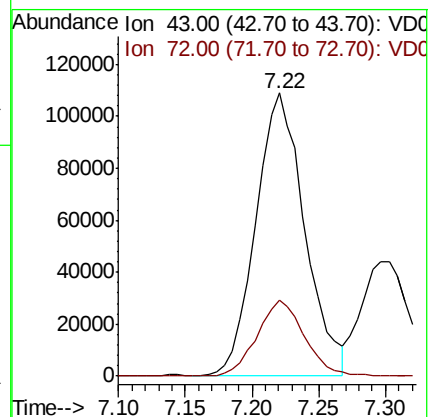
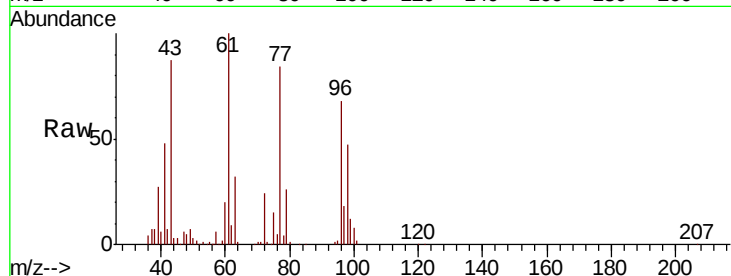
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 277007

Ion Ratio Lower Upper

43 100

72 27.0 19.9 29.9



#26

2,2-Dichloropropane

Concen: 52.039 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065184.D

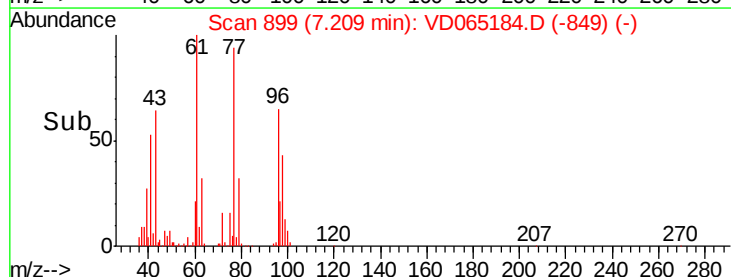
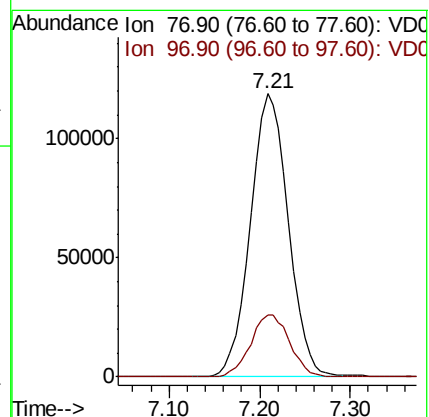
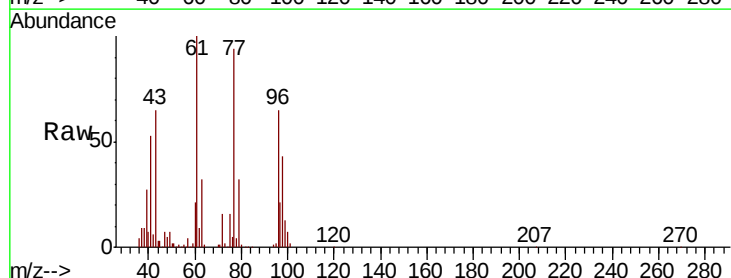
Acq: 14 Feb 2020 10:16

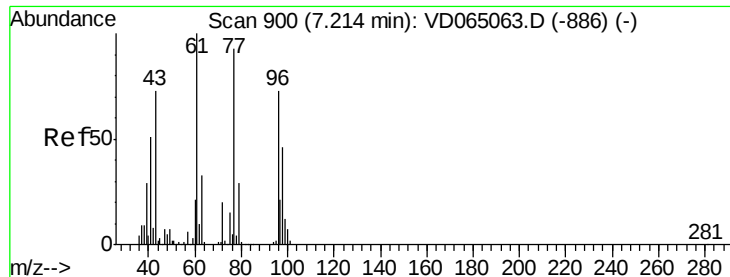
Tgt Ion: 77 Resp: 345331

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.6



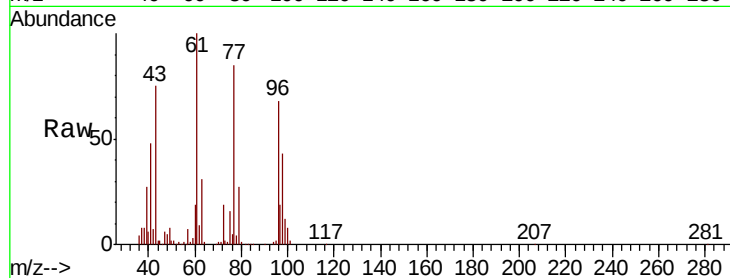


#27

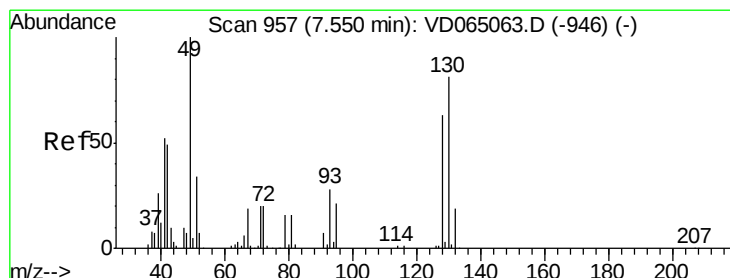
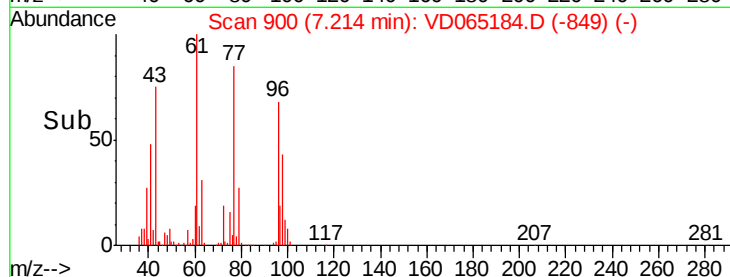
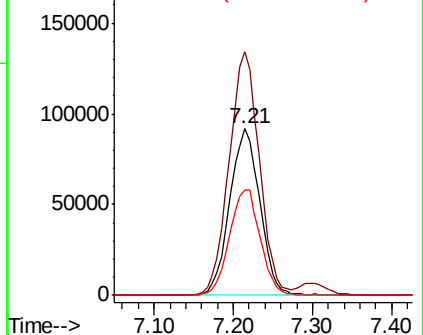
cis-1,2-Dichloroethene
 Concen: 51.692 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.4	0.0	292.8
98	64.4	0.0	128.8



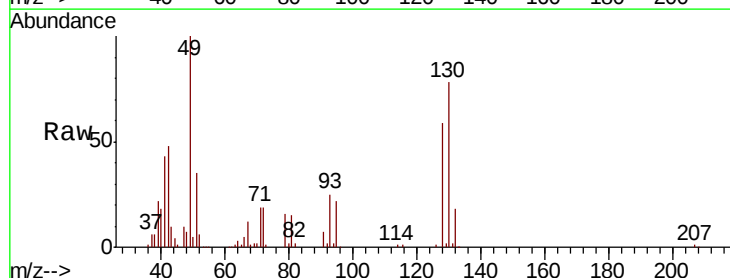
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



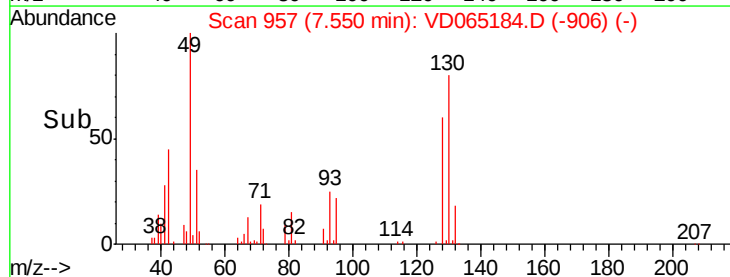
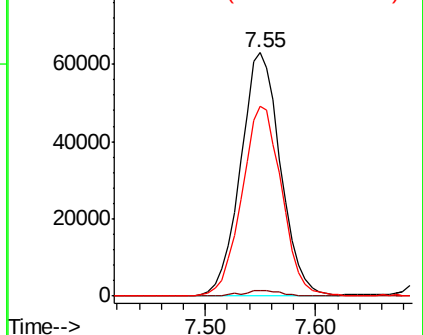
#28

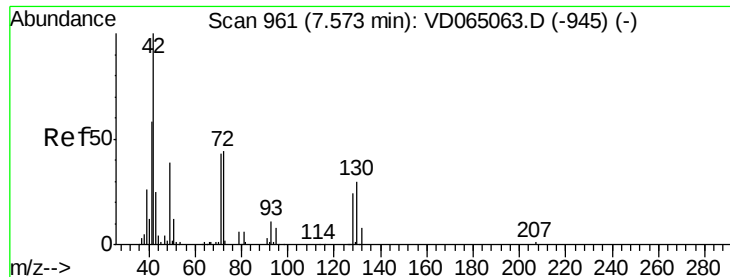
Bromochloromethane
 Concen: 57.100 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	77.9	63.8	95.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

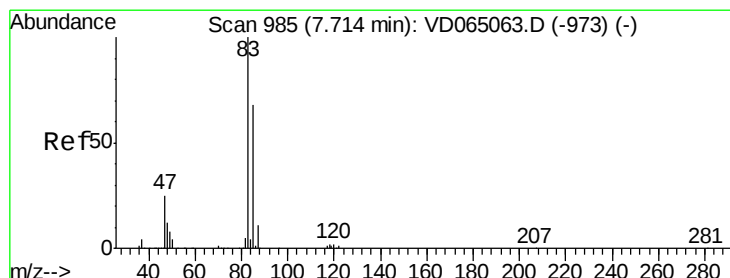
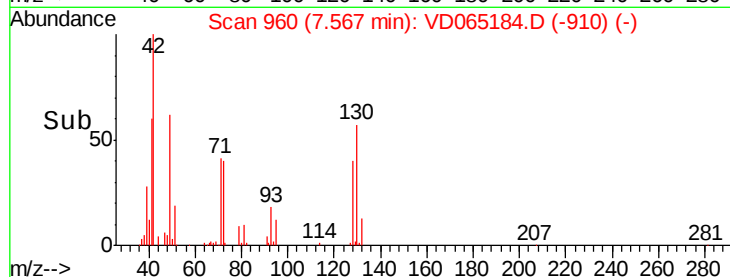
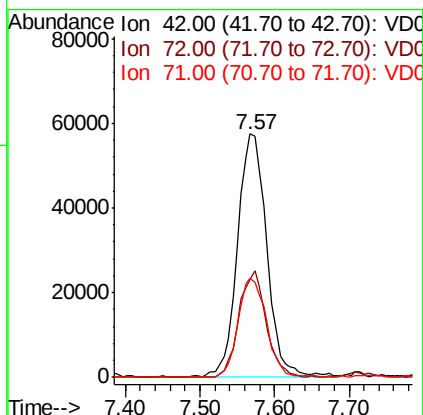
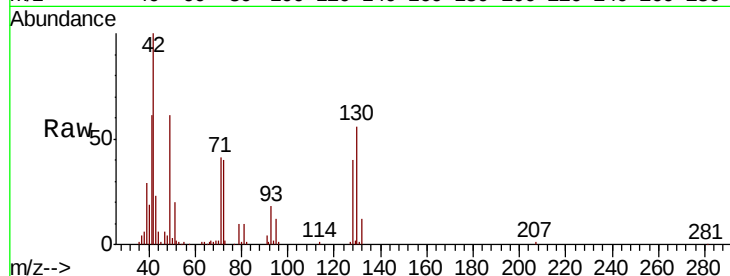




#29
Tetrahydrofuran
Concen: 232.129 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

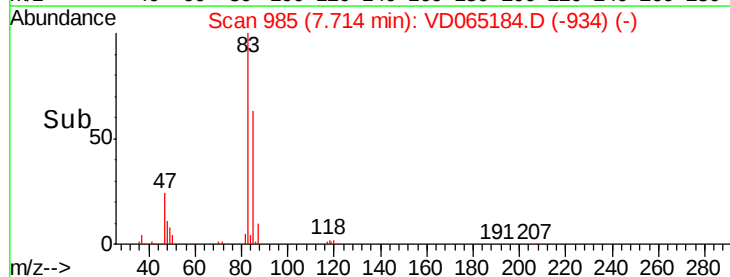
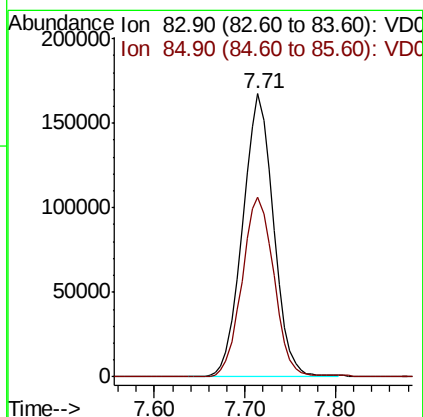
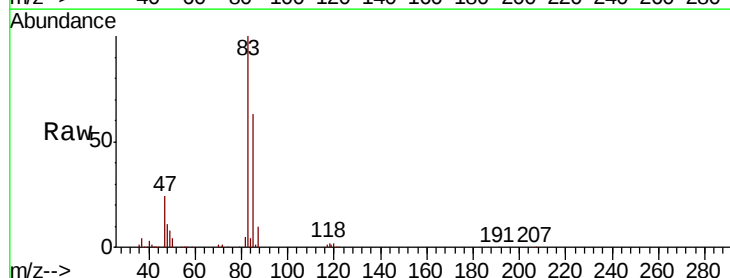
Instrument :
MSVOA_D
ClientSampleID :

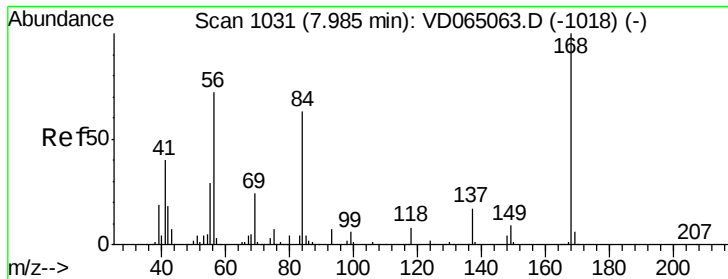
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.2	51.4
71	39.5	31.8	47.6



#30
Chloroform
Concen: 53.618 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	54.2	81.4

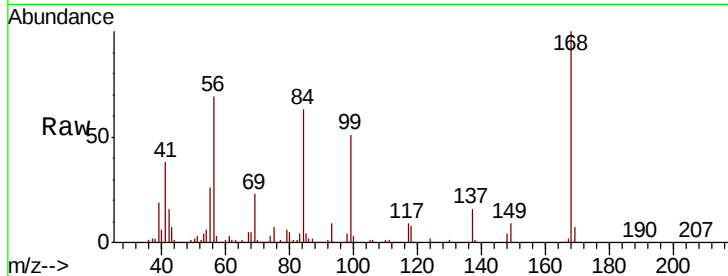




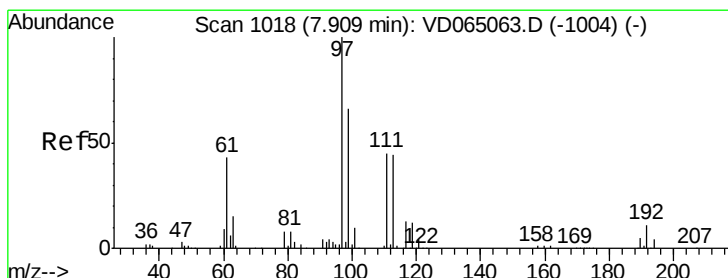
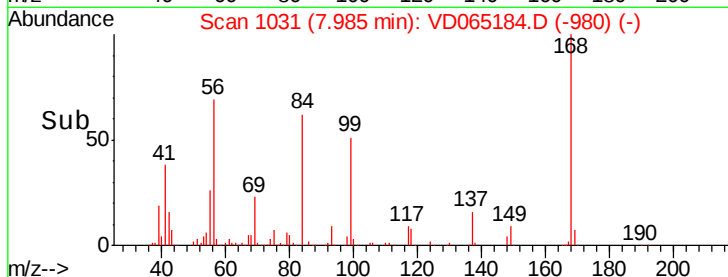
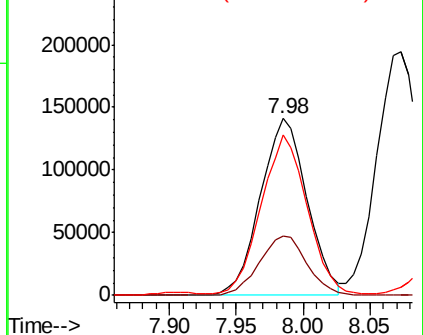
#31
Cyclohexane
Concen: 45.822 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 342445
Ion Ratio Lower Upper
56 100
69 33.8 26.6 40.0
84 89.6 70.6 106.0

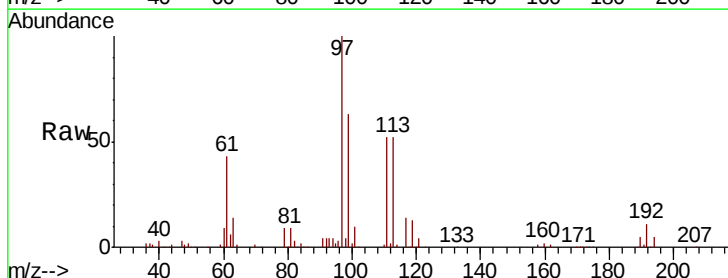


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

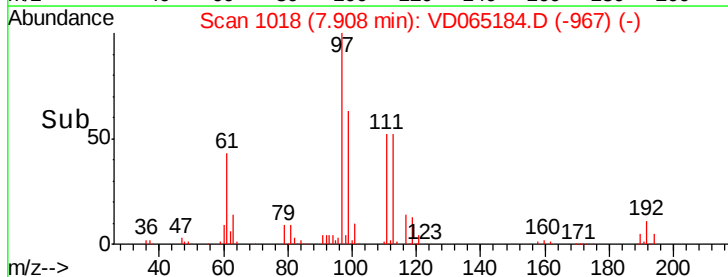
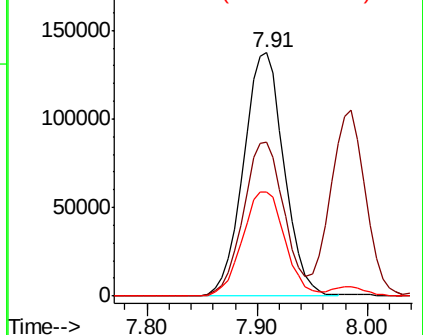


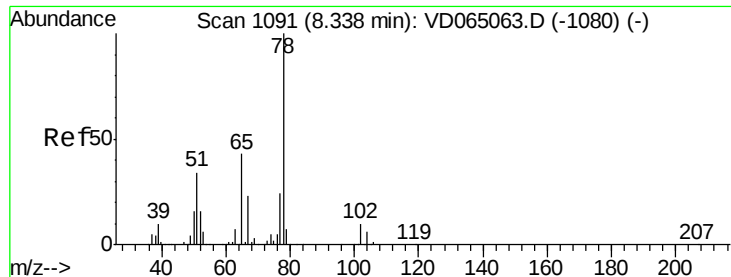
#32
1,1,1-Trichloroethane
Concen: 51.573 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 97 Resp: 354145
Ion Ratio Lower Upper
97 100
99 63.5 51.5 77.3
61 44.7 34.8 52.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 53.088 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

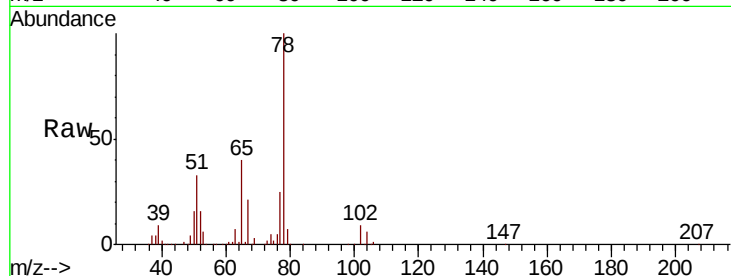
ClientSampled :

Tot Ion: 65 Resp: 199436

Ion Ratio Lower Upper

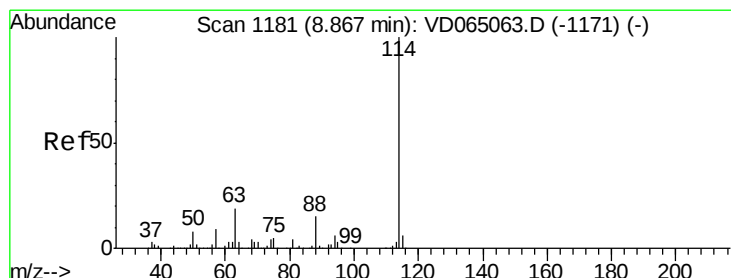
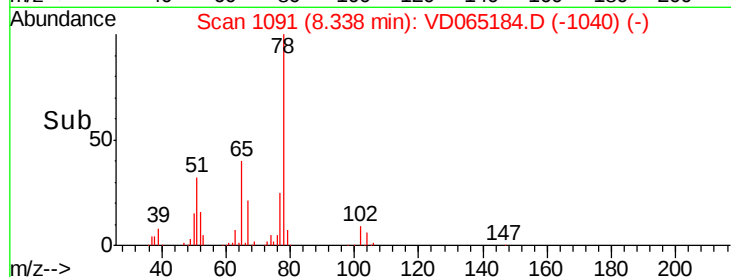
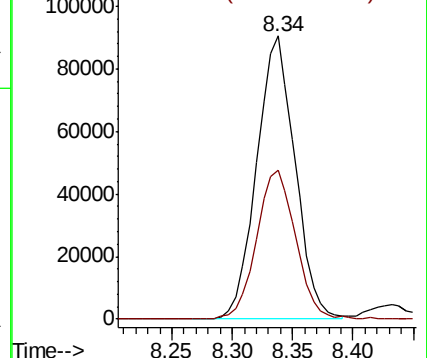
65 100

67 53.6 0.0 105.8



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: VD065184.D

Acq: 14 Feb 2020 10:16

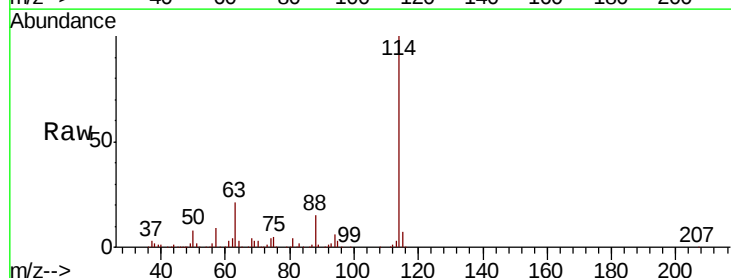
Tgt Ion: 114 Resp: 645512

Ion Ratio Lower Upper

114 100

63 20.7 0.0 38.8

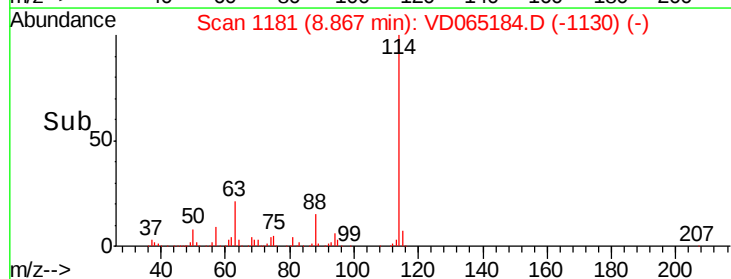
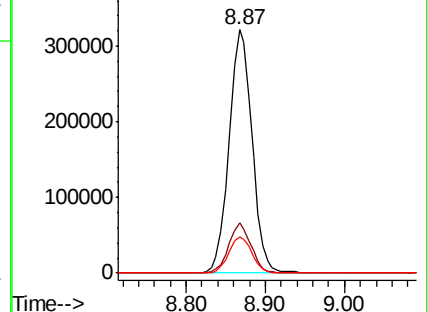
88 14.8 0.0 29.6

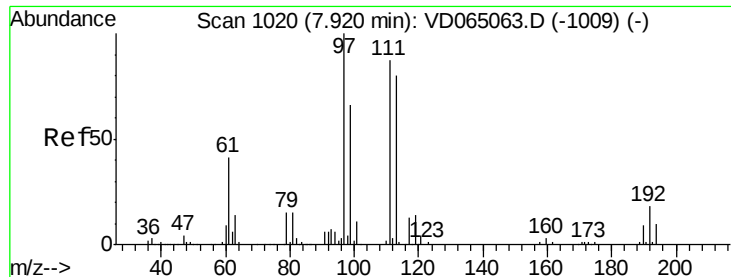


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

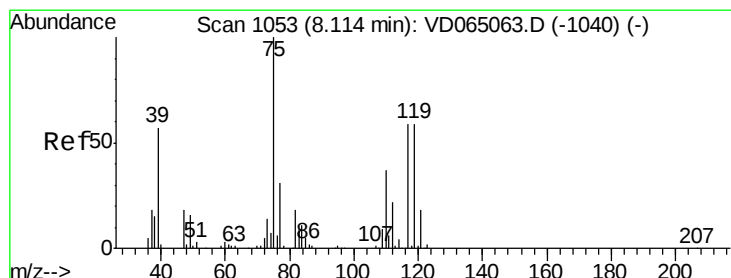
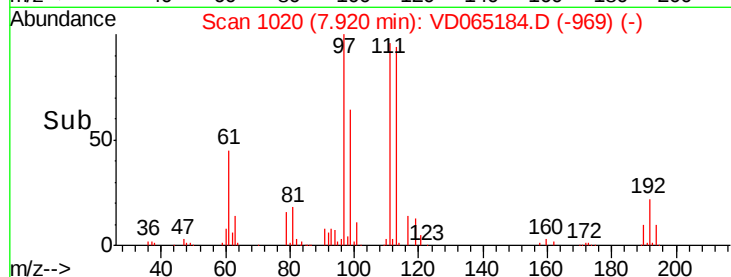
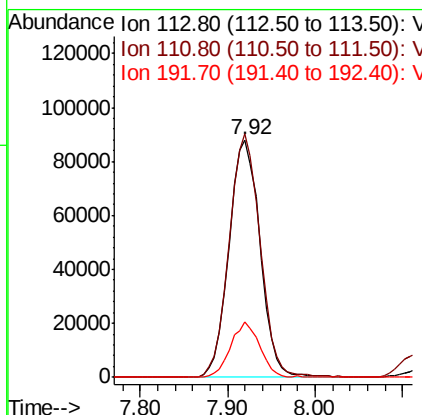
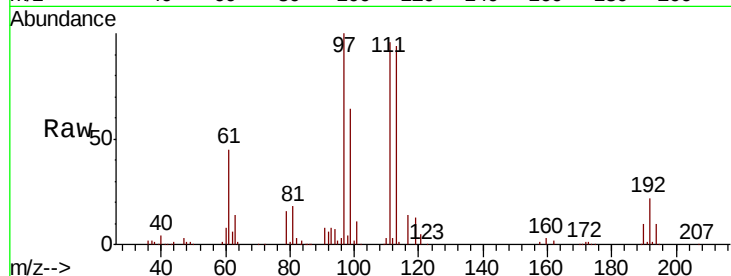




#35
 Dibromofluoromethane
 Concen: 58.949 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

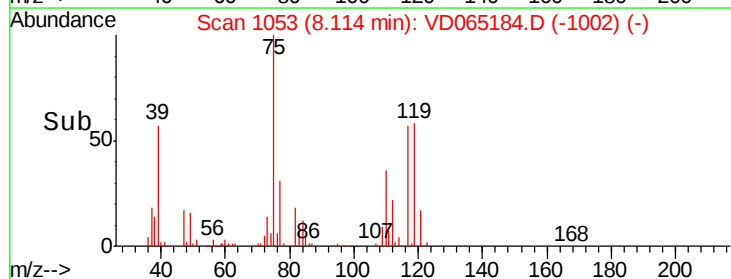
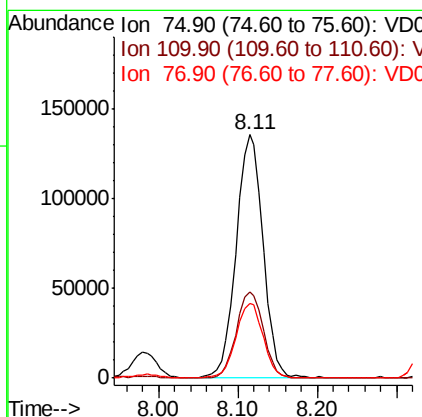
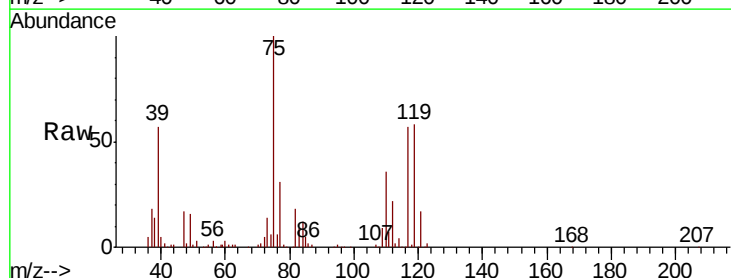
Instrument :
 MSVOA_D
 ClientSampleId :

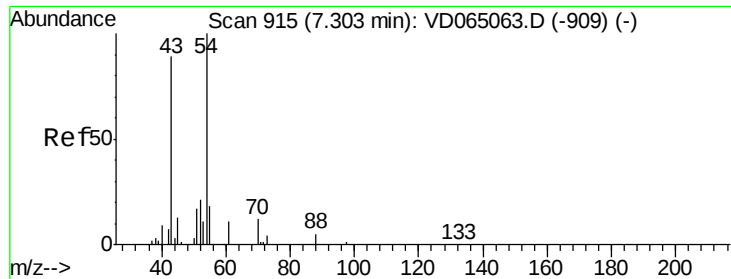
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.1	124.7
192	21.9	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 52.993 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.3
77	31.4	24.7	37.1

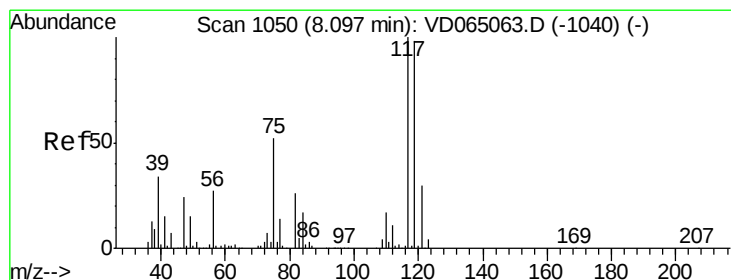
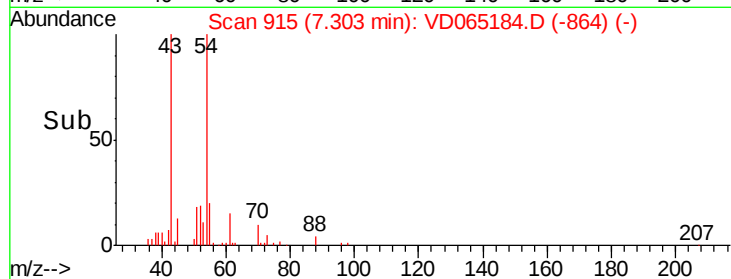
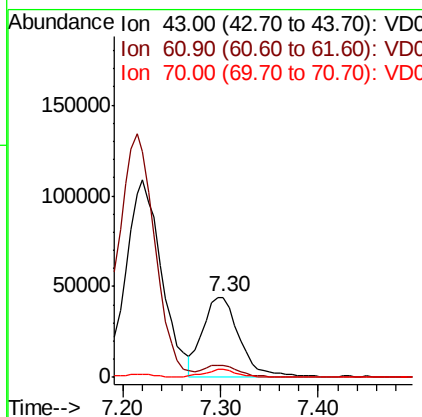
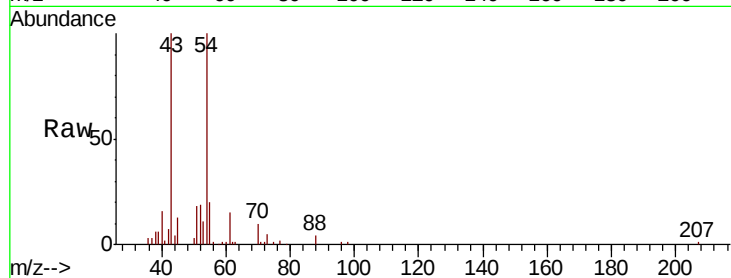




#37
Ethyl Acetate
Concen: 46.651 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

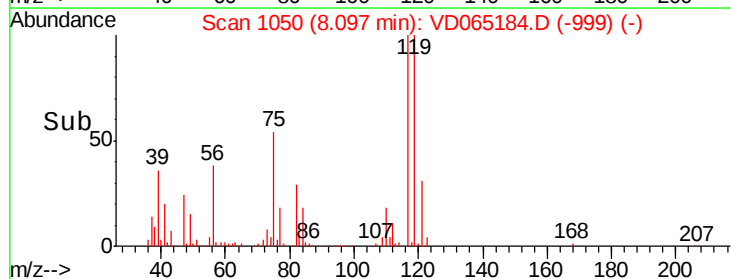
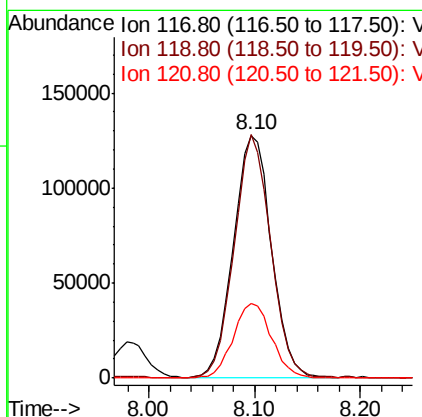
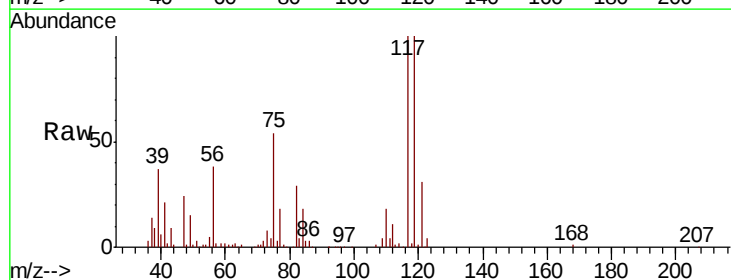
Instrument :
MSVOA_D
ClientSampleId :

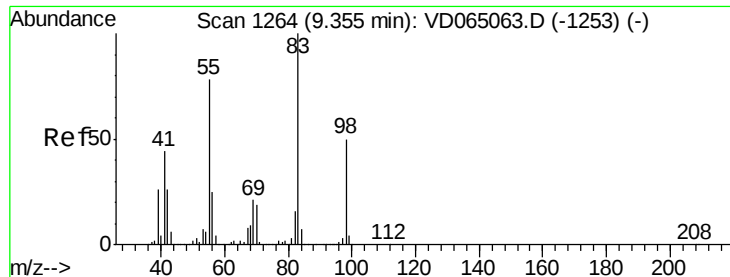
Tot Ion: 43 Resp: 114395
Ion Ratio Lower Upper
43 100
61 14.4 11.0 16.4
70 9.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 51.809 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 117 Resp: 317607
Ion Ratio Lower Upper
117 100
119 100.5 78.5 117.7
121 31.0 23.8 35.6

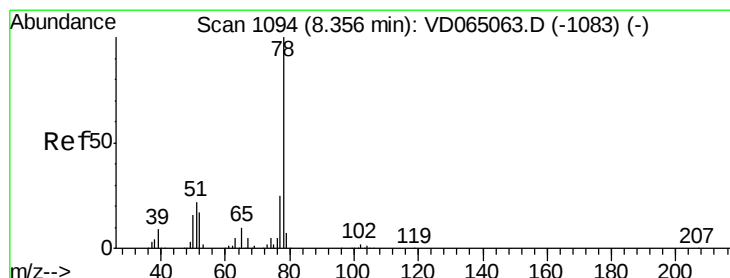
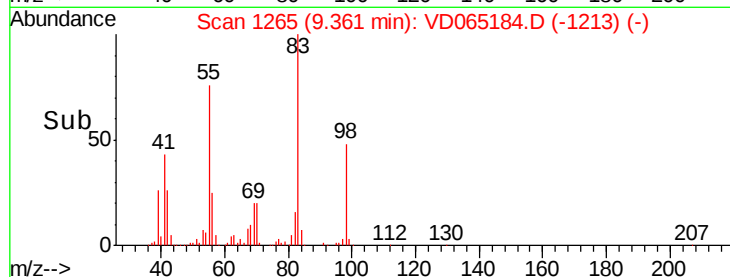
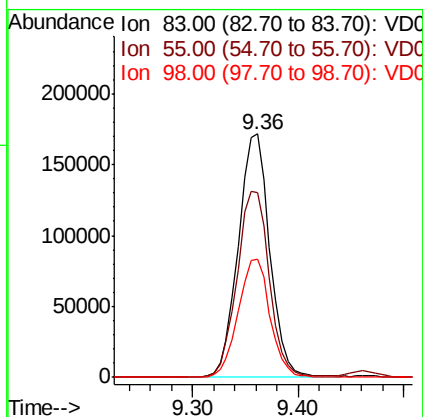
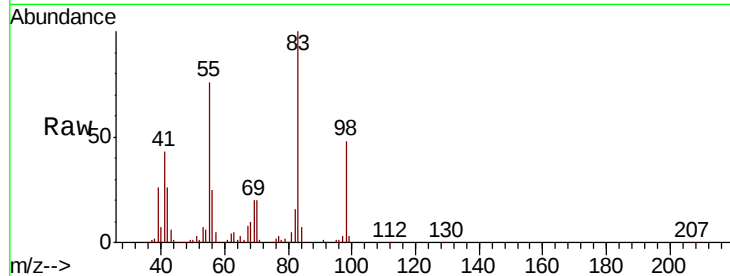




#39
Methvlcvclohexane
Concen: 48.002 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

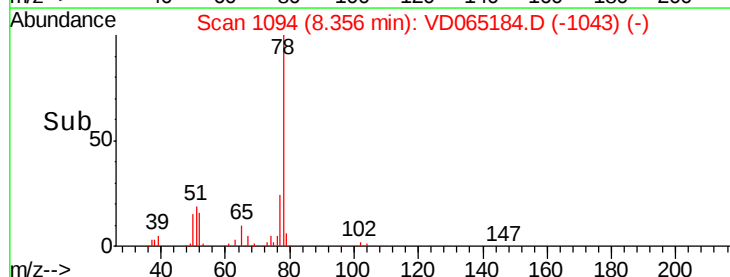
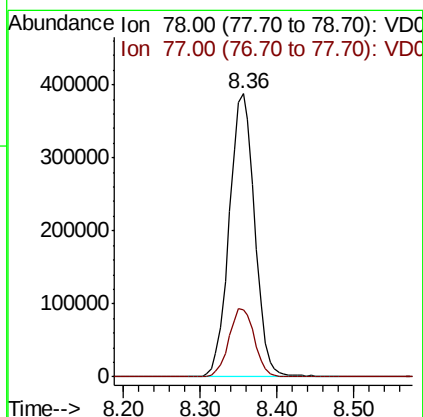
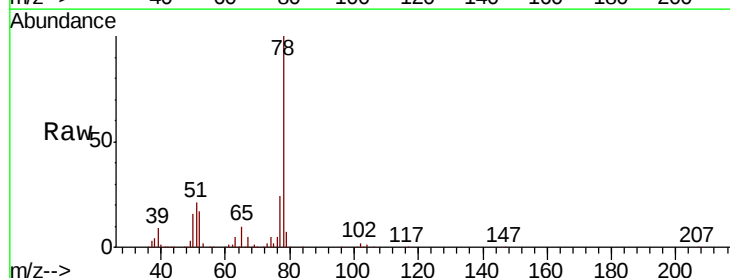
Instrument :
MSVOA_D
ClientSampleId :

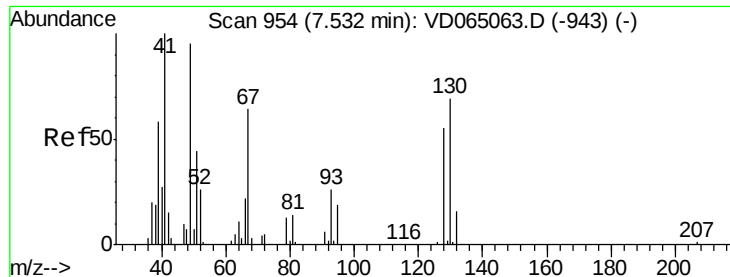
Tot Ion: 83 Resp: 355636
Ion Ratio Lower Upper
83 100
55 75.8 62.0 93.0
98 48.3 39.9 59.9



#40
Benzene
Concen: 54.124 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 78 Resp: 897118
Ion Ratio Lower Upper
78 100
77 23.6 19.6 29.4

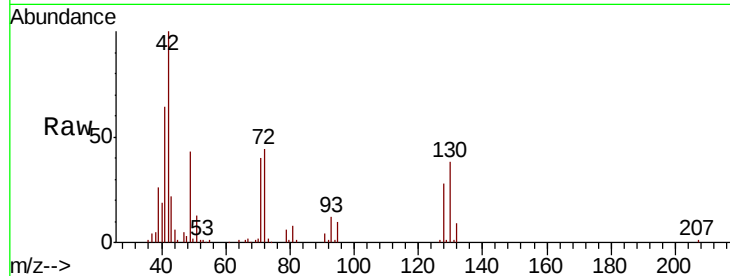




#41
Methacrylonitrile
Concen: 117.086 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.04 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.4	83.0#
67	0.0	59.0	88.6#
52	0.0	25.4	38.0#



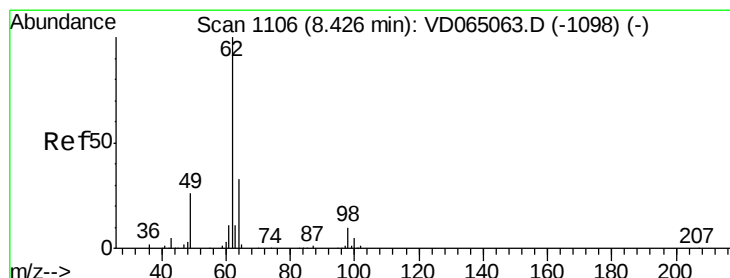
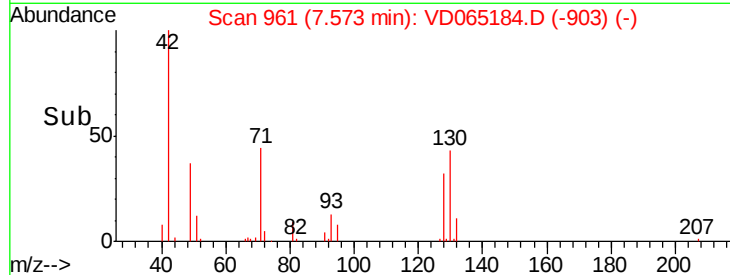
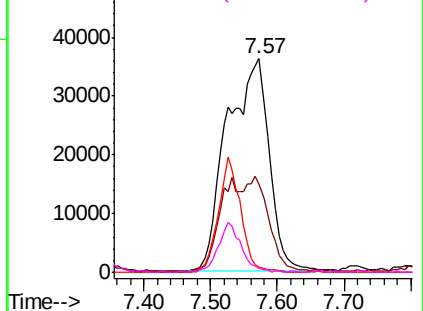
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

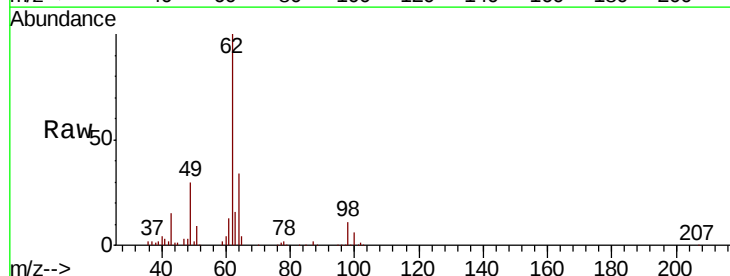
Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42
1,2-Dichloroethane
Concen: 50.090 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

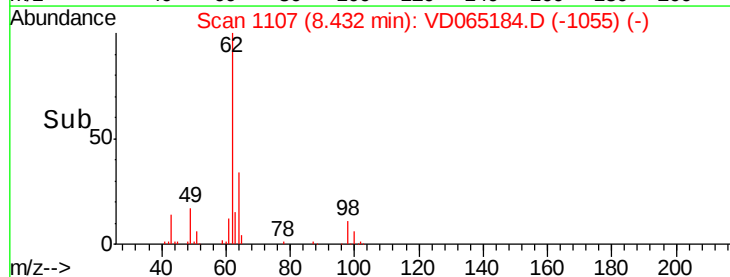
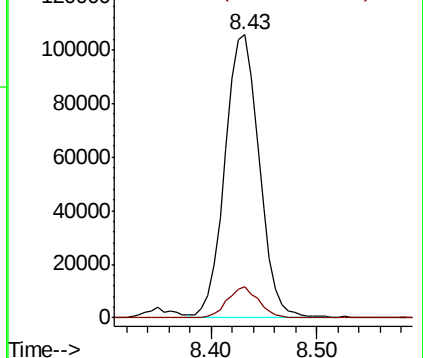
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.6

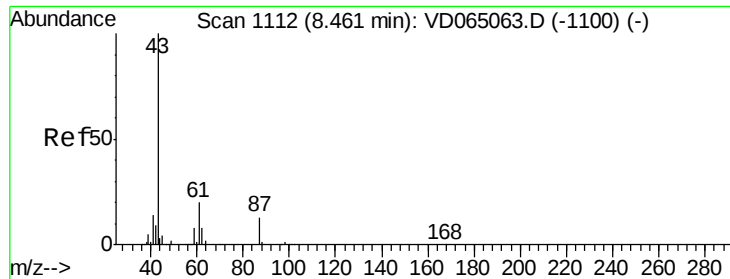


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 44.837 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

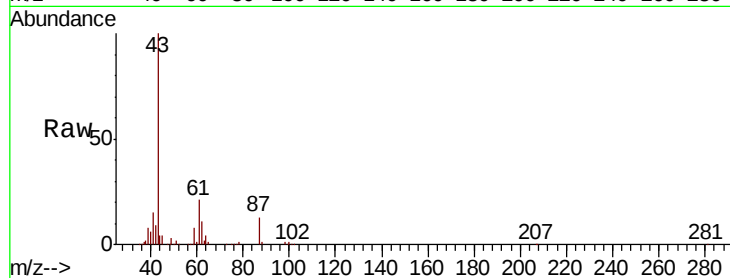
Tot Ion: 43 Resp: 210322

Ion Ratio Lower Upper

43 100

61 32.4 24.0 36.0

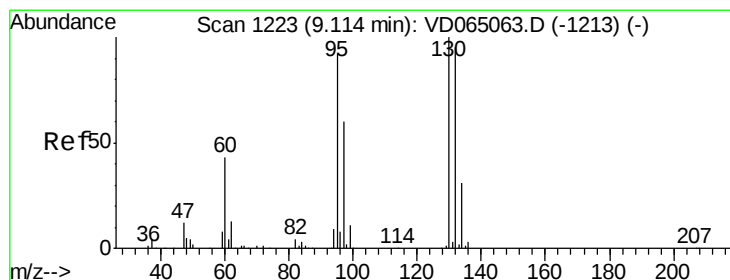
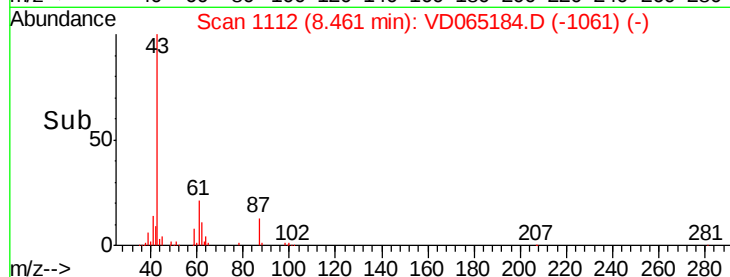
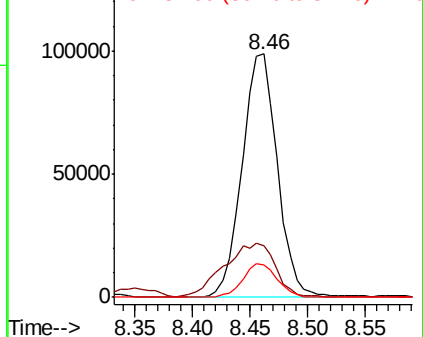
87 13.5 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.853 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065184.D

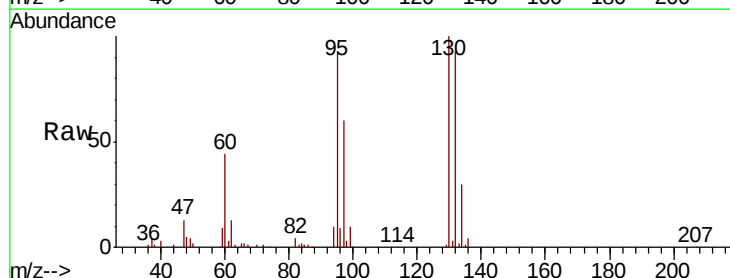
Acq: 14 Feb 2020 10:16

Tgt Ion:130 Resp: 246698

Ion Ratio Lower Upper

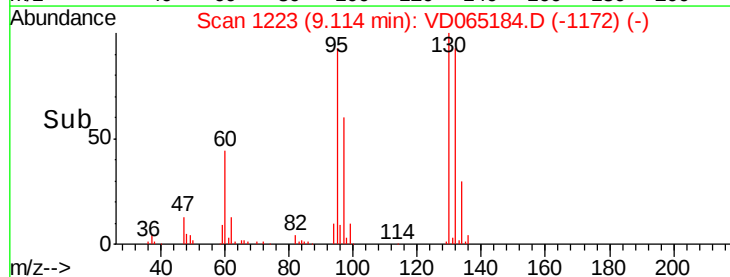
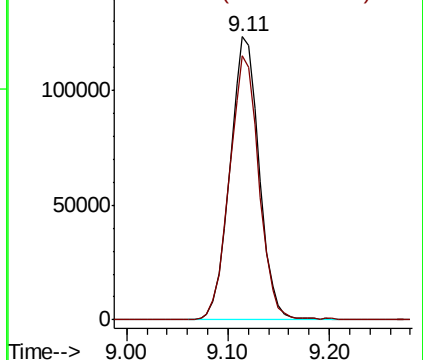
130 100

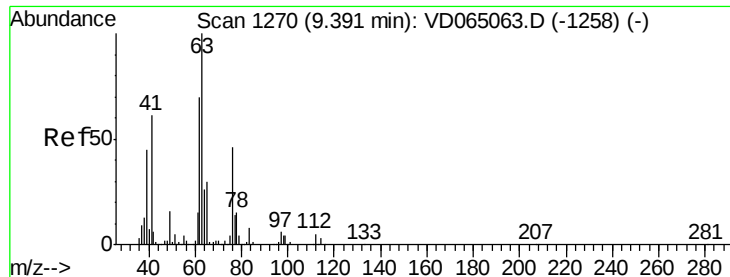
95 93.4 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 55.336 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

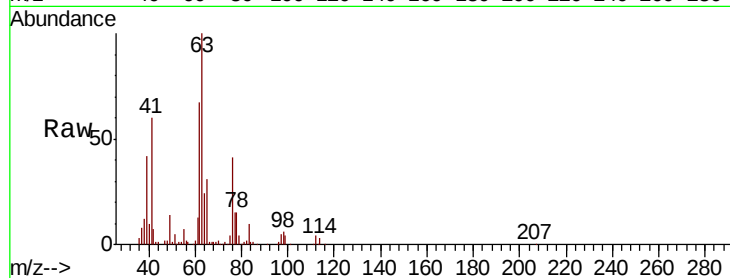
ClientSampleId :

Tot Ion: 63 Resp: 219908

Ion Ratio Lower Upper

63 100

65 31.3 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

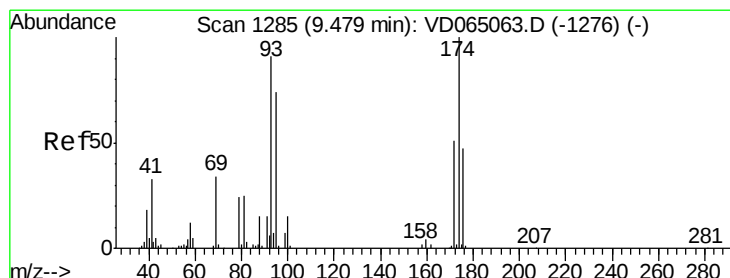
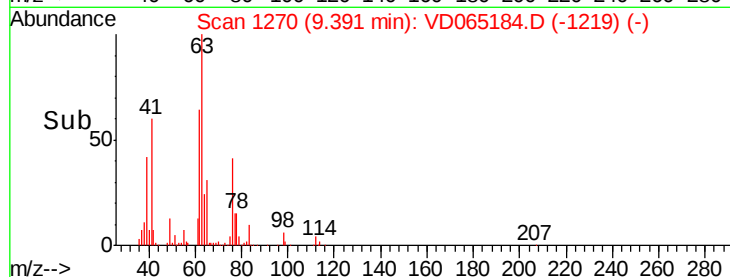
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.776 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

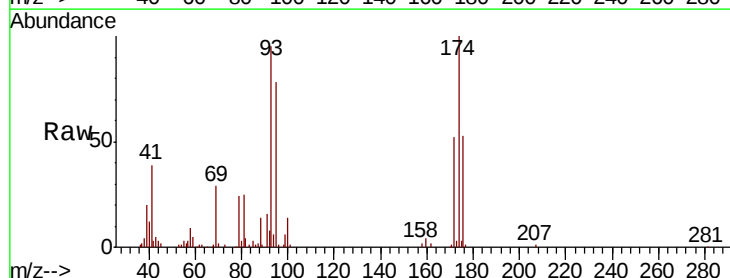
Tgt Ion: 93 Resp: 108124

Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

174 106.6 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

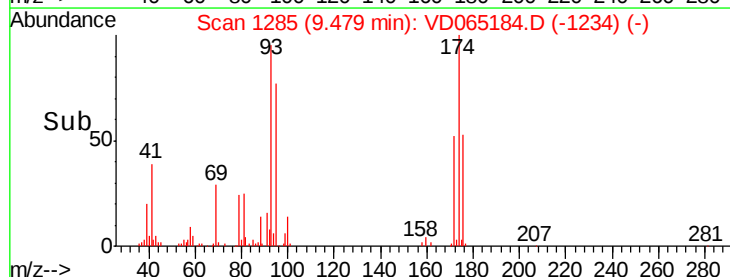
60000

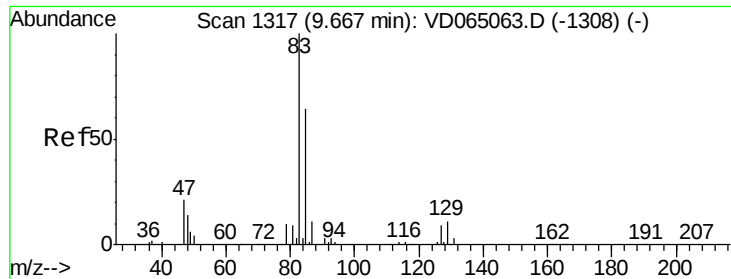
40000

20000

0

Time-->

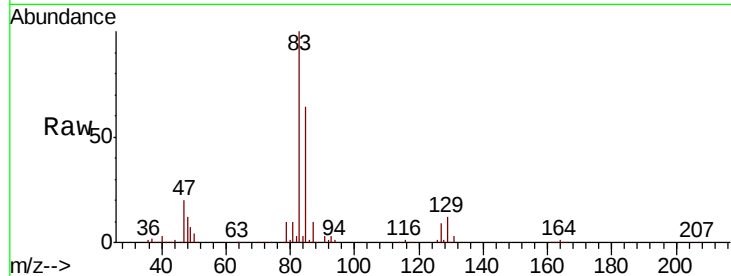




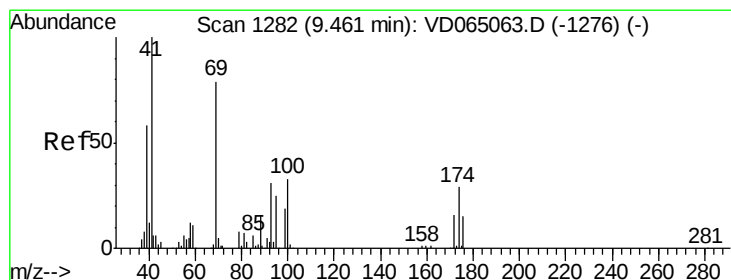
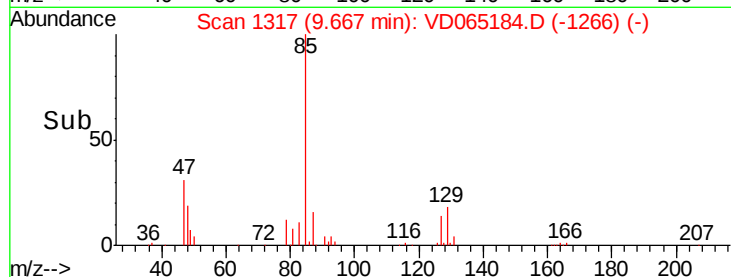
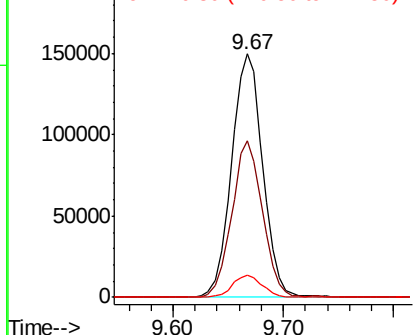
#47
Bromodichloromethane
Concen: 53.793 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	83	Resp	295990
Ion Ratio	100		
Lower	51.0		
Upper	76.6		
85	64.1		
127	9.0		
	7.3		
	10.9		

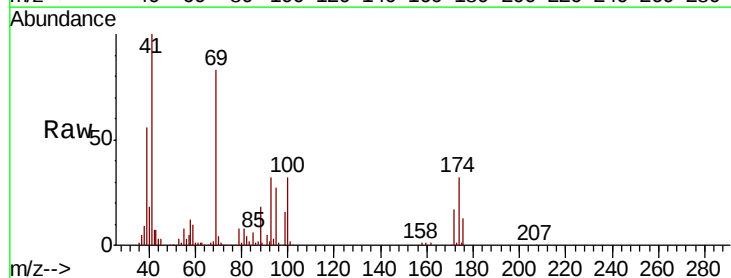


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

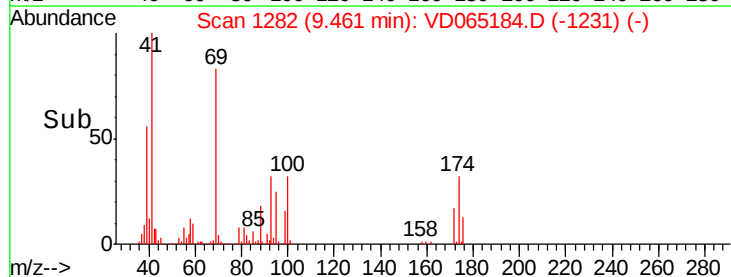
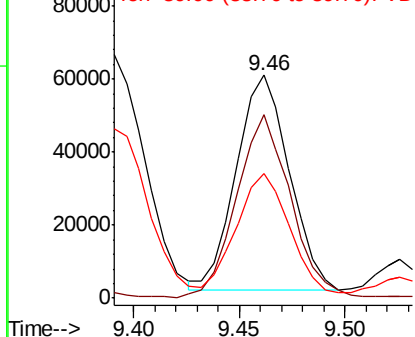


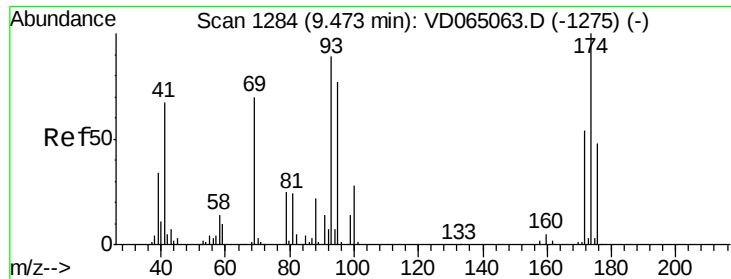
#48
Methyl methacrylate
Concen: 45.315 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion	41	Resp	102286
Ion Ratio	100		
Lower	67.5		
Upper	101.3		
69	86.5		
39	54.6		
	47.0		
	70.4		



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC

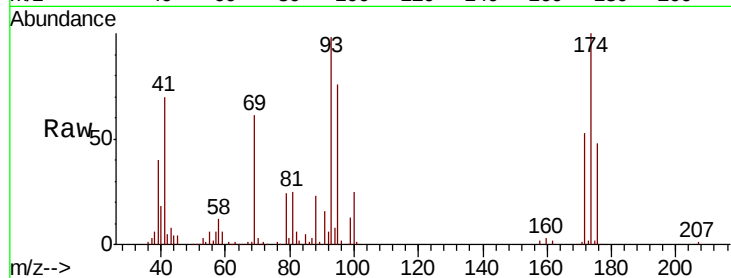




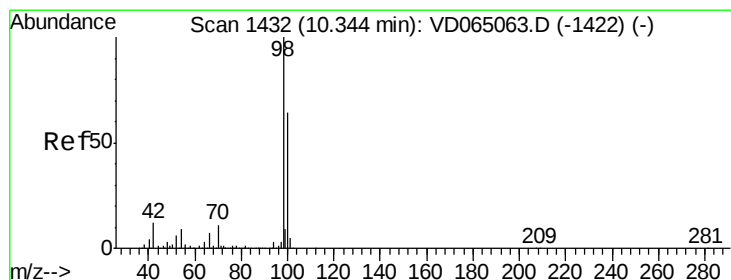
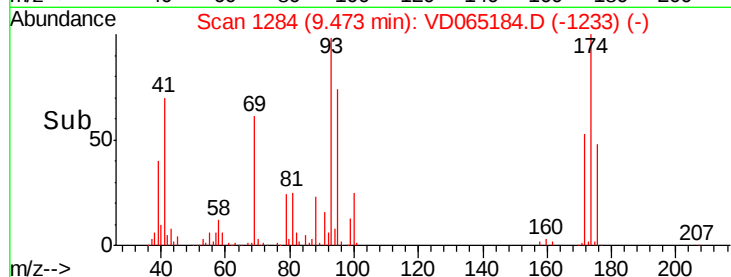
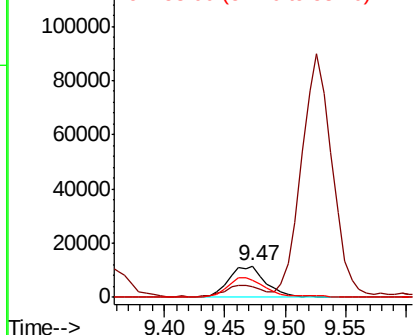
#49
1,4-Dioxane
Concen: 996.920 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 24658
Ion Ratio Lower Upper
88 100
43 33.3 27.7 41.5
58 63.3 55.5 83.3

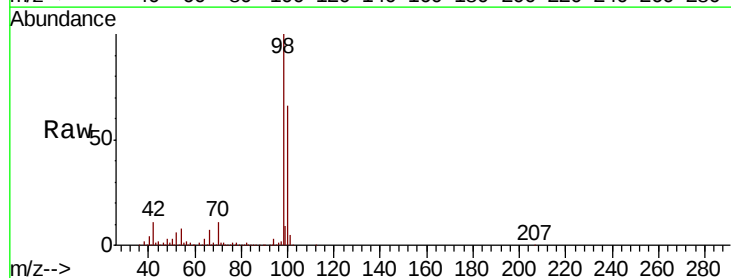


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

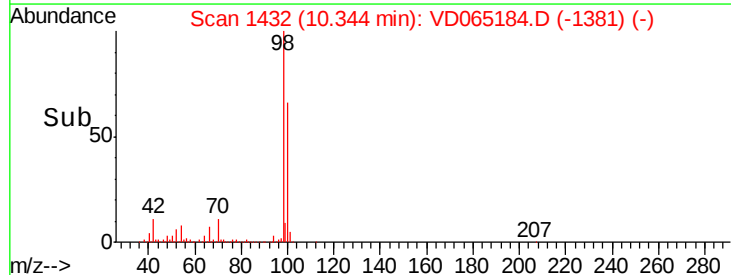
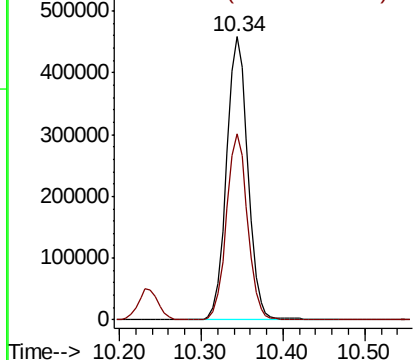


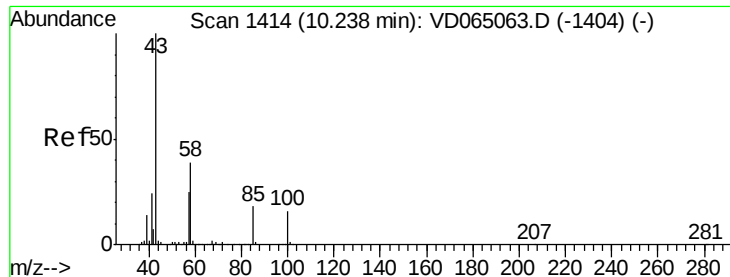
#50
Toluene-d8
Concen: 57.979 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 98 Resp: 831144
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



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





#51

4-Methyl-2-Pentanone

Concen: 242.561 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

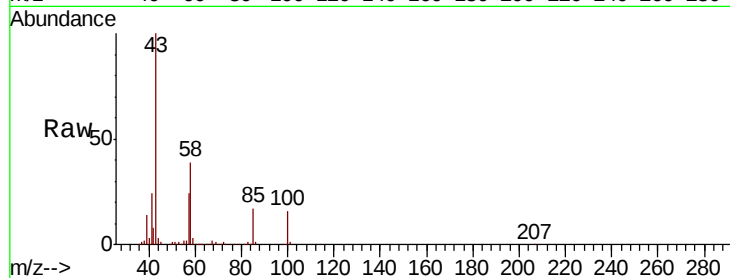
ClientSampleId :

Tot Ion: 43 Resp: 560044

Ion Ratio Lower Upper

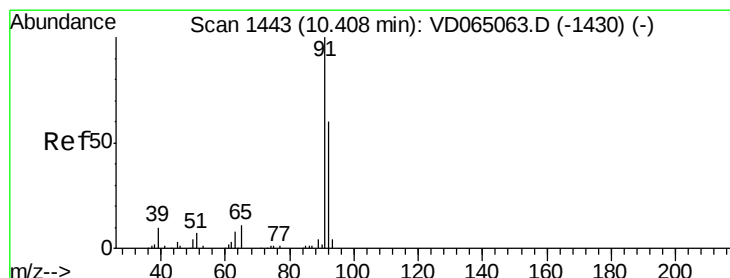
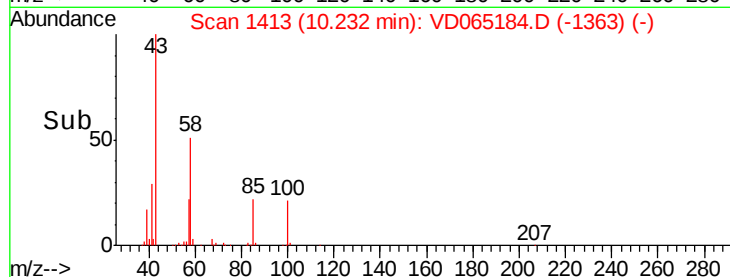
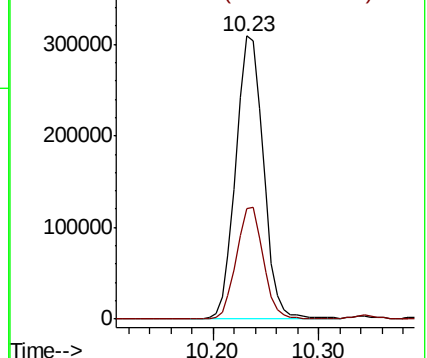
43 100

58 38.4 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 54.550 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065184.D

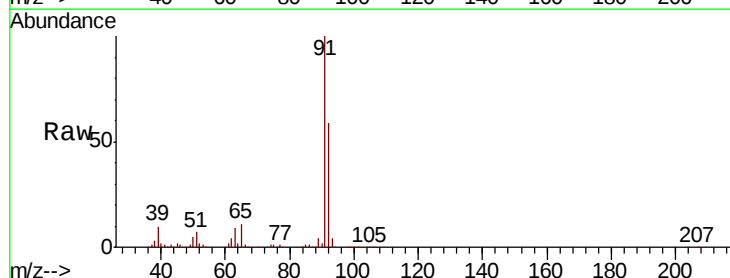
Acq: 14 Feb 2020 10:16

Tgt Ion: 92 Resp: 577082

Ion Ratio Lower Upper

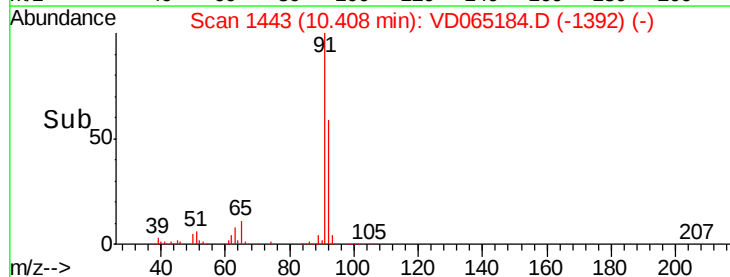
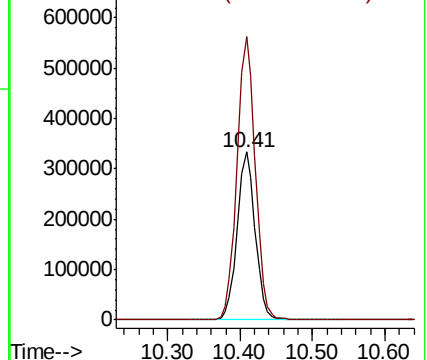
92 100

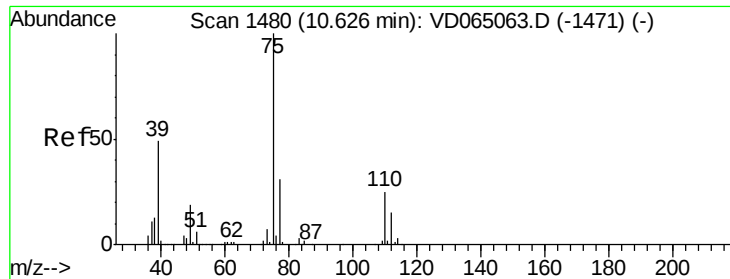
91 172.3 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

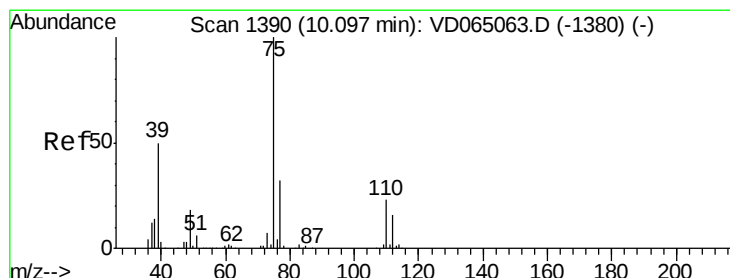
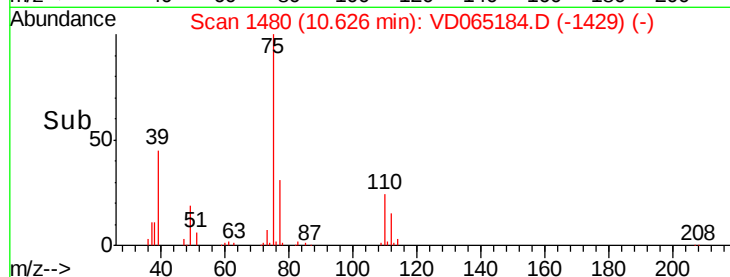
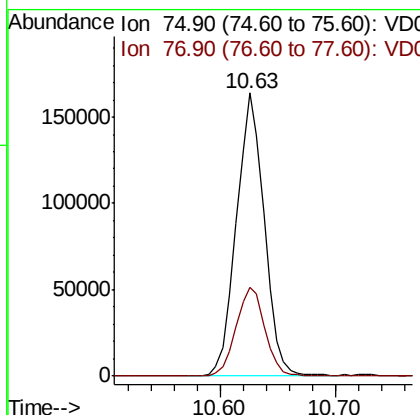
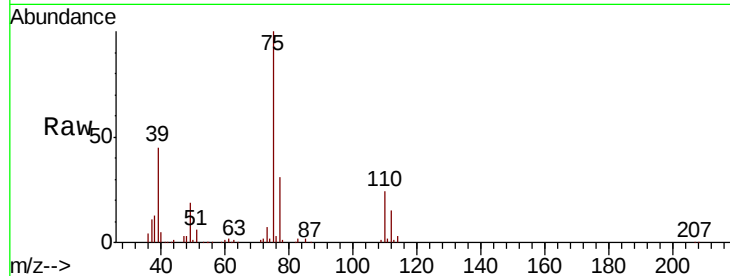




#53
t-1,3-Dichloropropene
Concen: 51.136 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

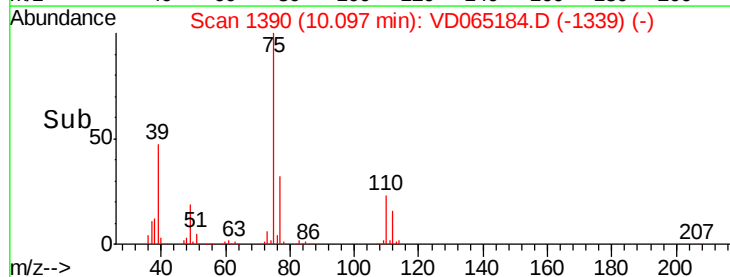
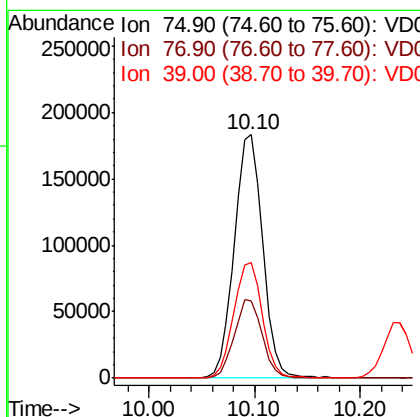
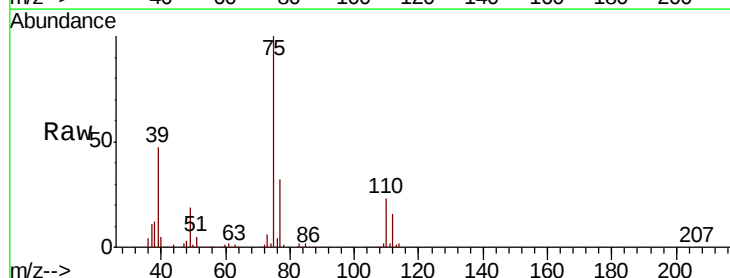
Instrument :
MSVOA_D
ClientSampleId :

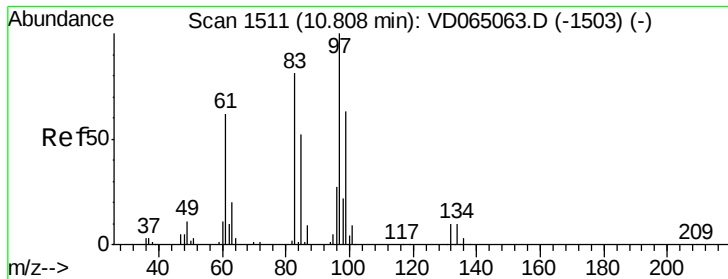
Tot Ion: 75 Resp: 273953
Ion Ratio Lower Upper
75 100
77 31.4 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 53.042 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 75 Resp: 339863
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 47.2 40.3 60.5





#55

1,1,2-Trichloroethane

Concen: 52.556 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 150541

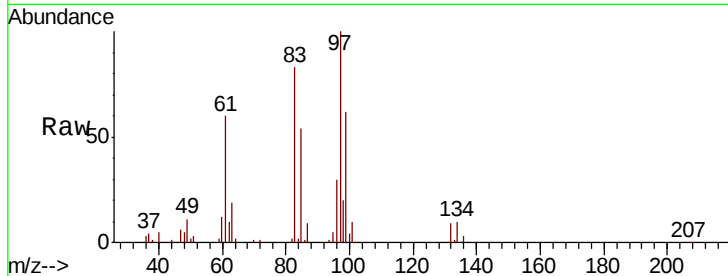
Ion Ratio Lower Upper

97 100

83 83.1 64.8 97.2

85 53.9 41.2 61.8

99 61.6 50.3 75.5

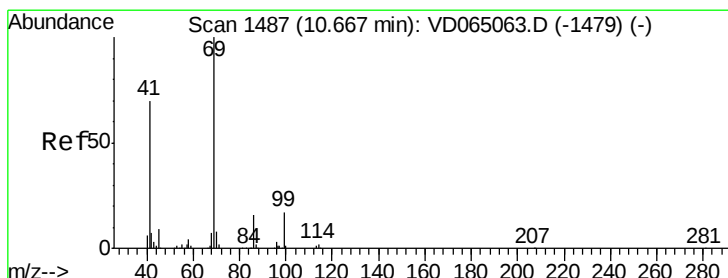
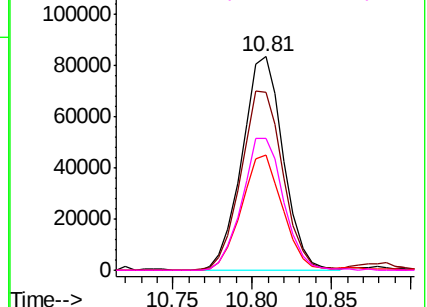
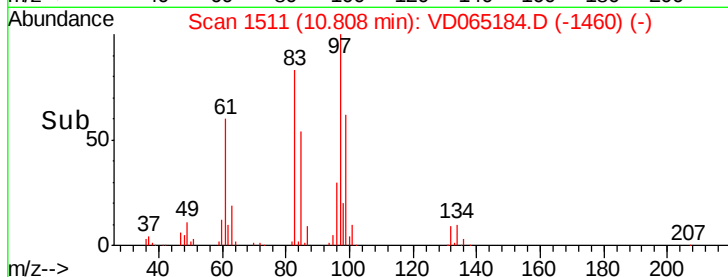


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 49.678 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

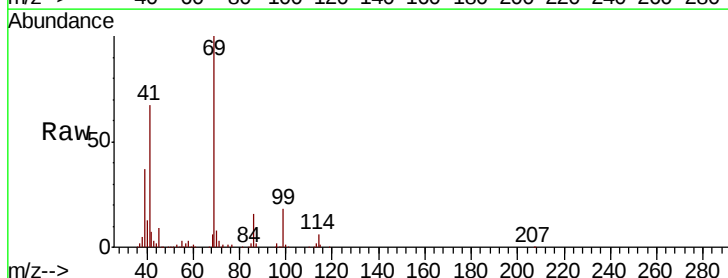
Tgt Ion: 69 Resp: 180045

Ion Ratio Lower Upper

69 100

41 67.5 55.9 83.9

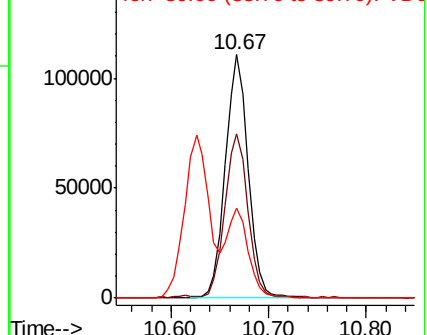
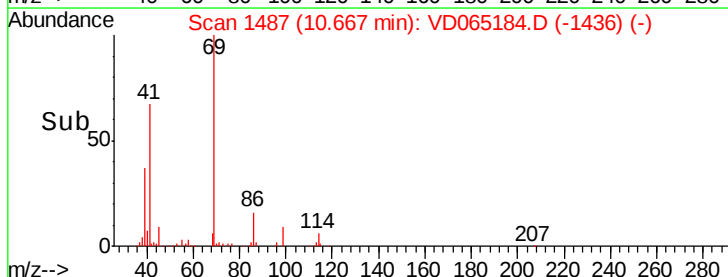
39 34.4 29.4 44.0

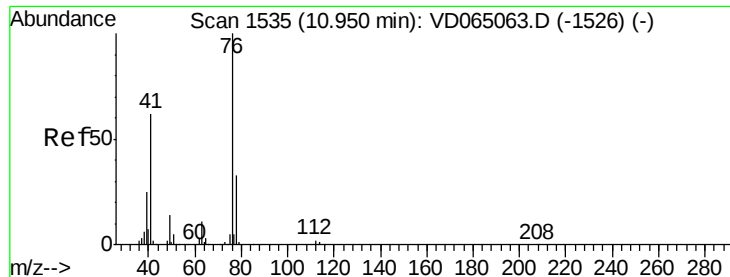


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.938 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

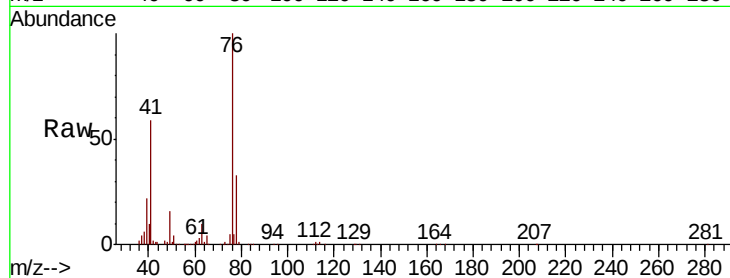
ClientSampleId :

Tot Ion: 76 Resp: 261603

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.96

150000

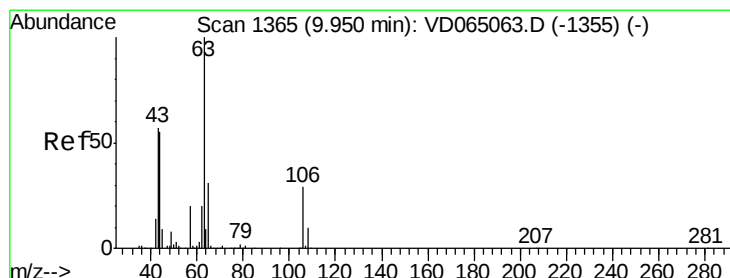
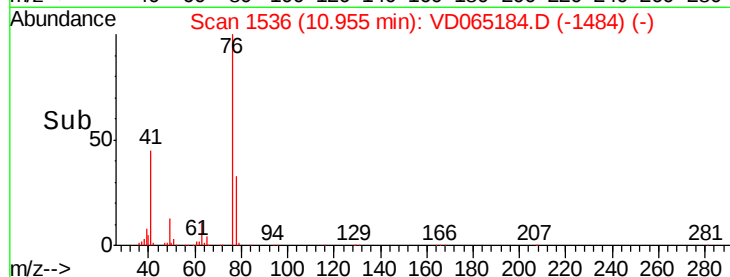
100000

50000

0

10.90 11.00 11.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 233.253 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065184.D

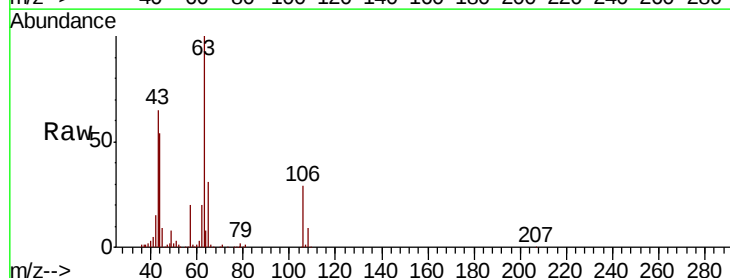
Acq: 14 Feb 2020 10:16

Tgt Ion: 63 Resp: 274626

Ion Ratio Lower Upper

63 100

106 28.2 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

150000

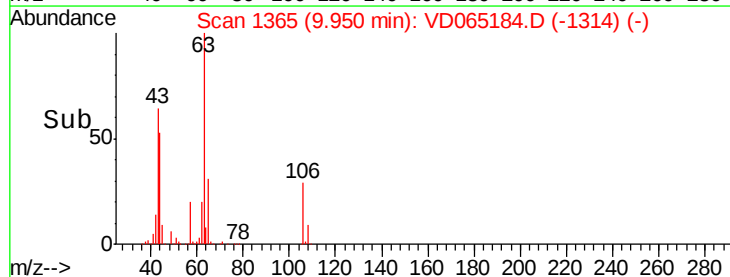
100000

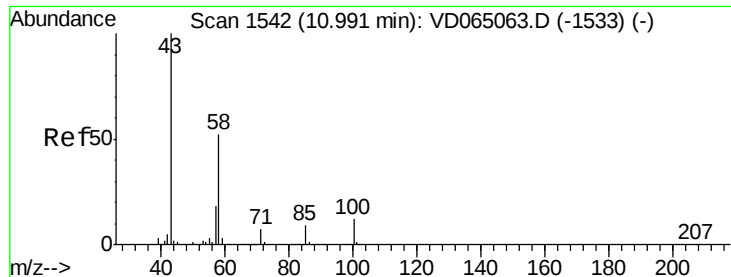
50000

0

9.90 10.00 10.10

Time-->

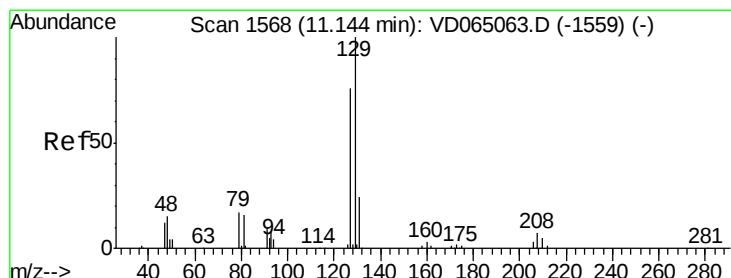
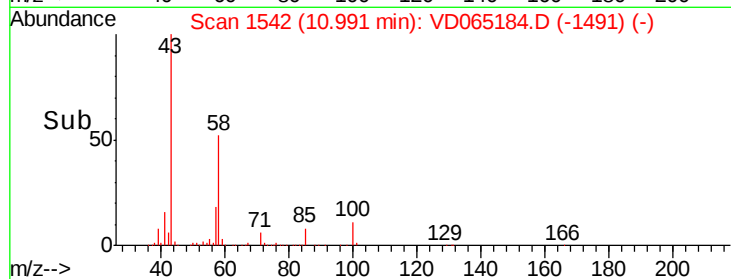
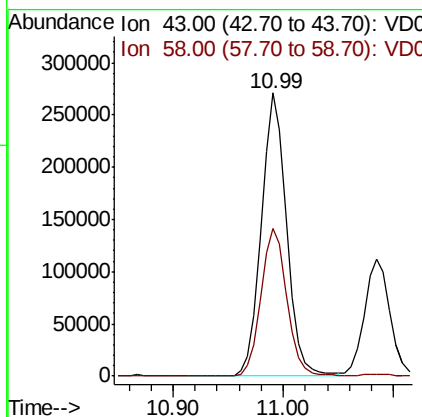
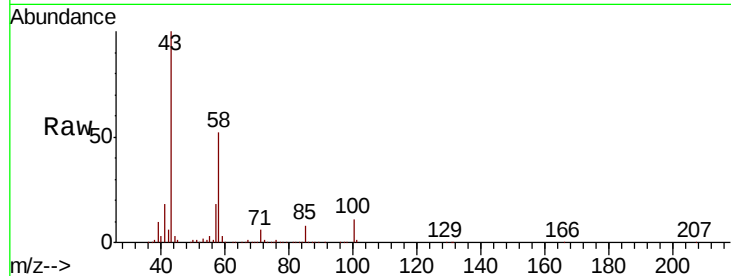




#59
2-Hexanone
Concen: 266.314 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

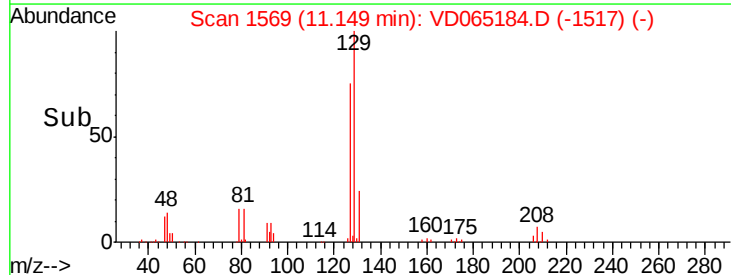
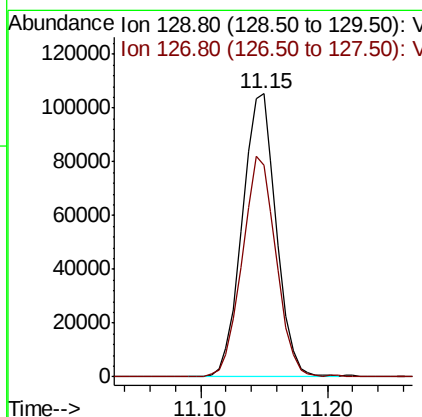
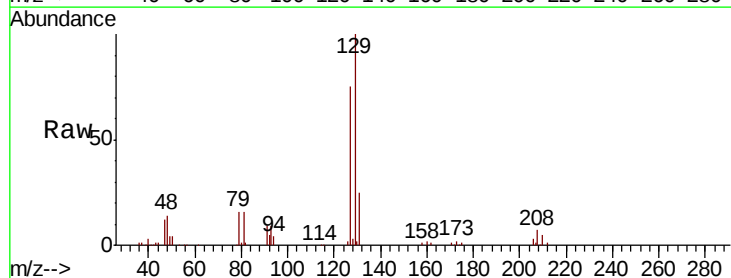
Instrument :
MSVOA_D
ClientSampleId :

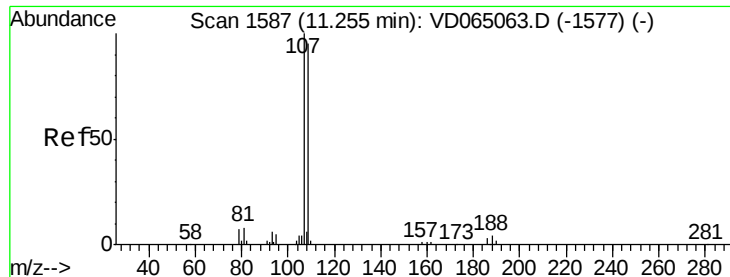
Tot Ion: 43 Resp: 435540
Ion Ratio Lower Upper
43 100
58 53.3 26.2 78.6



#60
Dibromochloromethane
Concen: 52.714 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion:129 Resp: 195573
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9

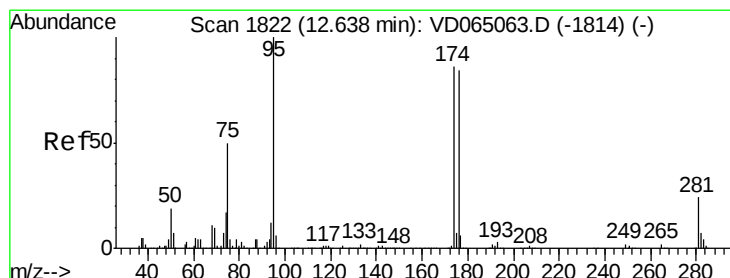
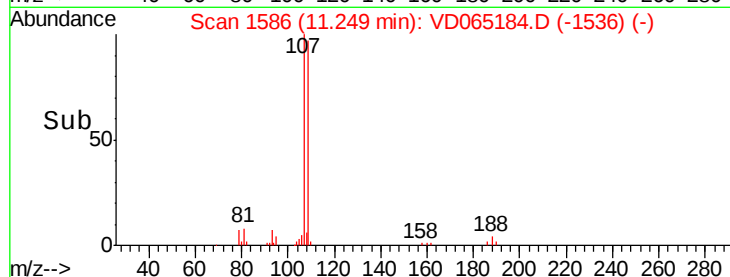
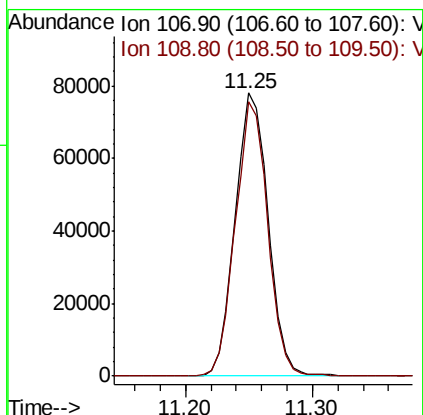
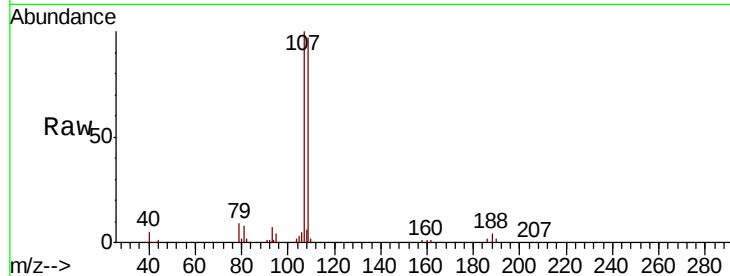




#61
 1,2-Dibromoethane
 Concen: 50.423 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

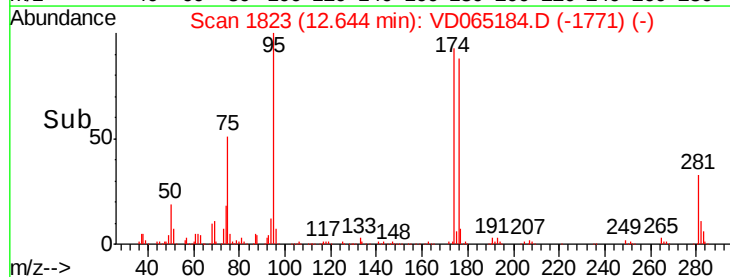
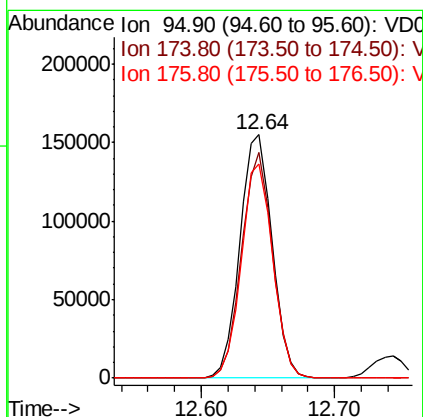
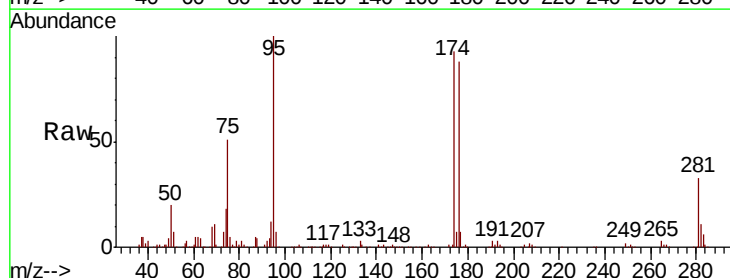
Instrument :
 MSVOA_D
 ClientSampleId :

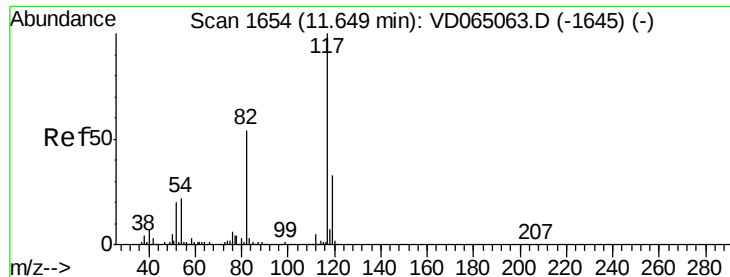
Tot Ion:107 Resp: 141126
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 56.784 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion: 95 Resp: 257932
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 180.0
 176 86.1 0.0 173.2

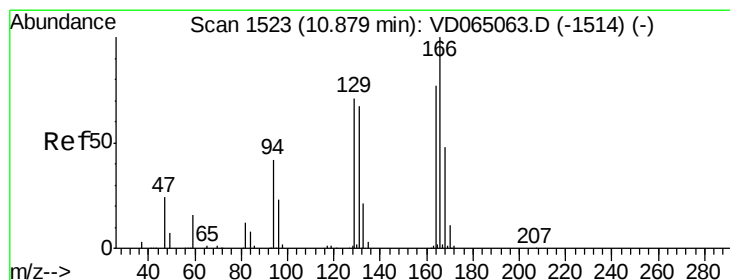
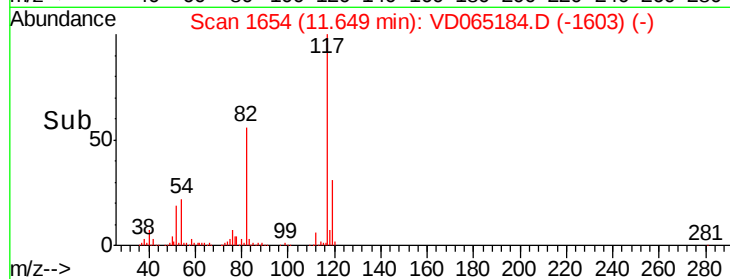
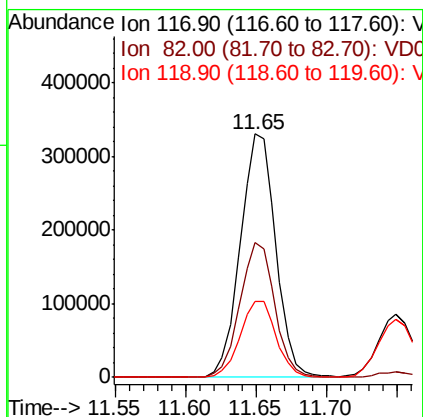
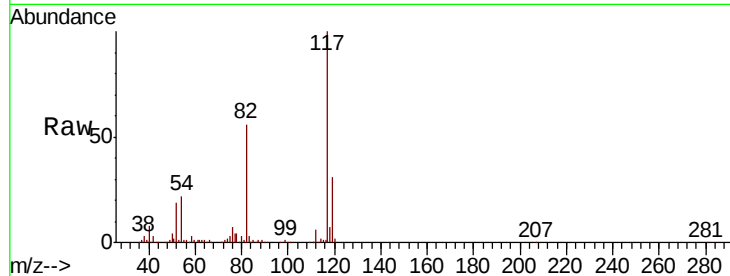




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

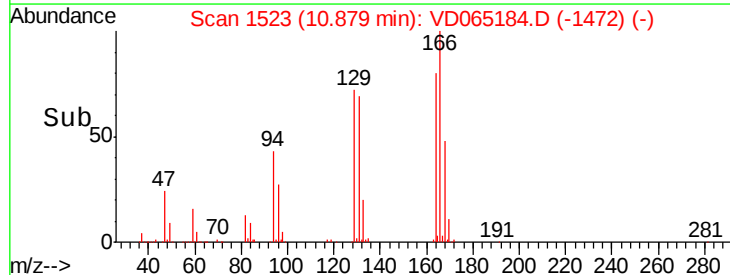
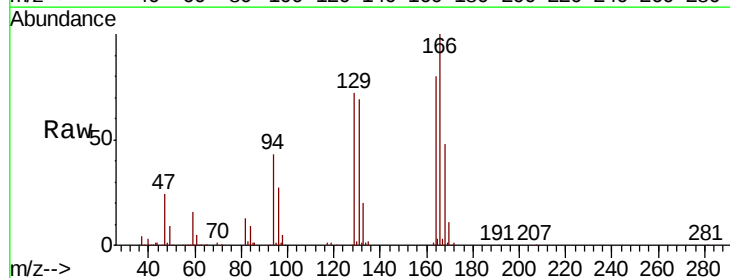
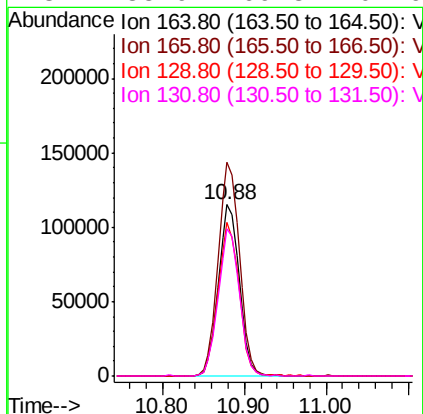
Instrument :
MSVOA_D
ClientSampleId :

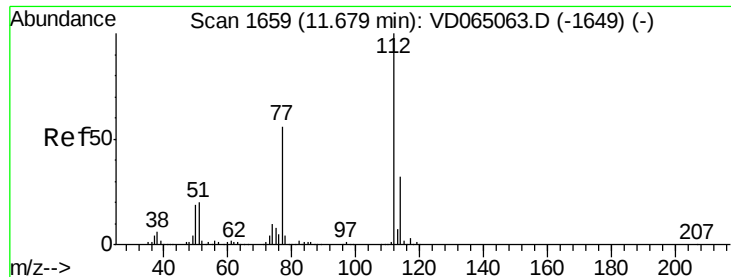
Tot Ion:117 Resp: 579843
Ion Ratio Lower Upper
117 100
82 55.6 43.1 64.7
119 31.4 26.0 39.0



#64
Tetrachloroethene
Concen: 49.480 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion:164 Resp: 206159
Ion Ratio Lower Upper
164 100
166 124.7 103.5 155.3
129 89.6 73.3 109.9
131 85.9 69.8 104.6

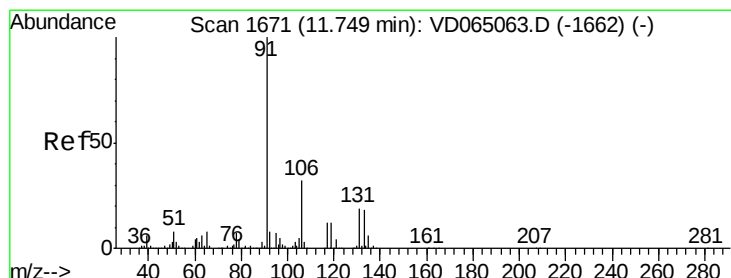
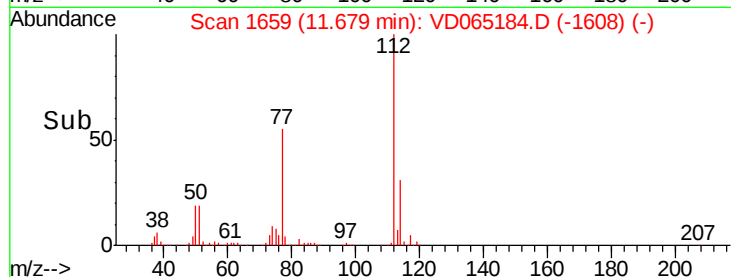
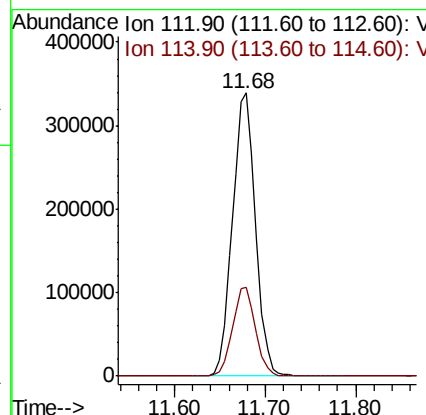
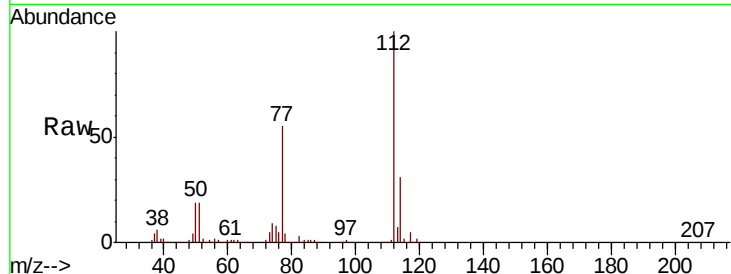




#65
Chlorobenzene
Concen: 53.315 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

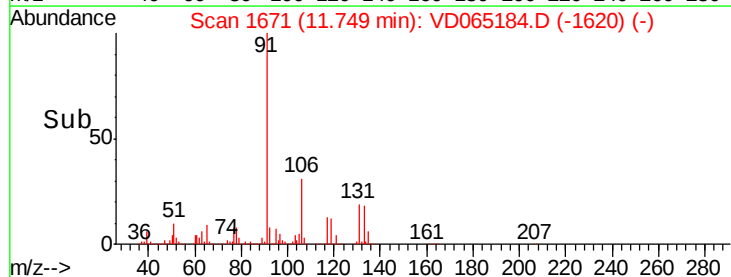
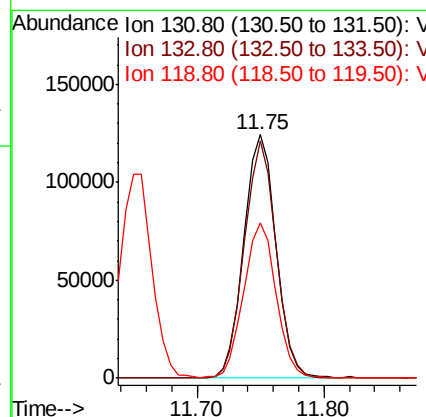
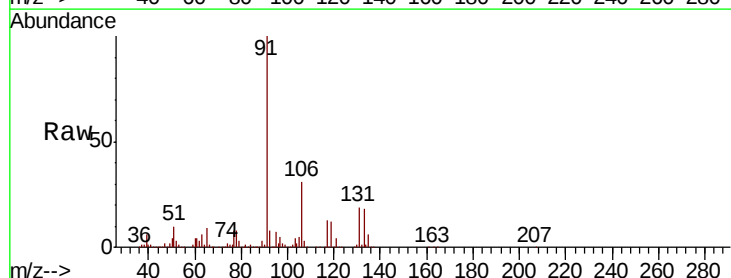
Instrument :
MSVOA_D
ClientSampleId :

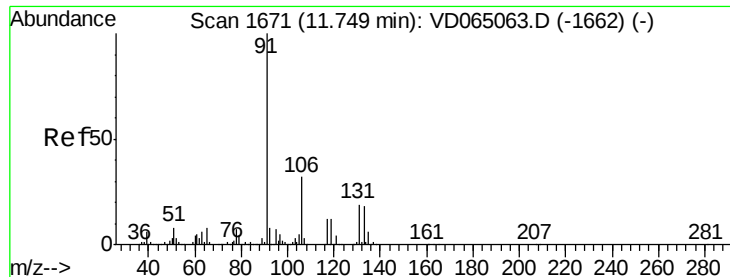
Tot Ion:112 Resp: 597927
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.130 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion:131 Resp: 219916
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 64.3 31.3 93.8





#67

Ethyl Benzene

Concen: 53.041 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

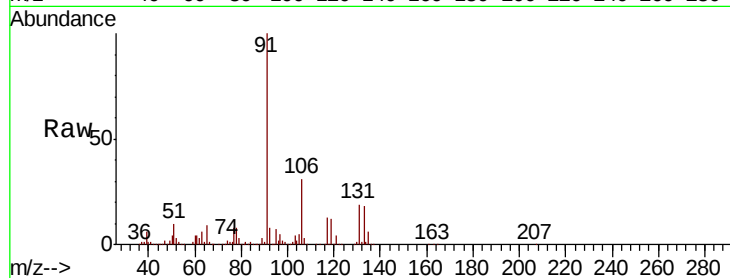
ClientSampled :

Tot Ion: 91 Resp: 1080745

Ion Ratio Lower Upper

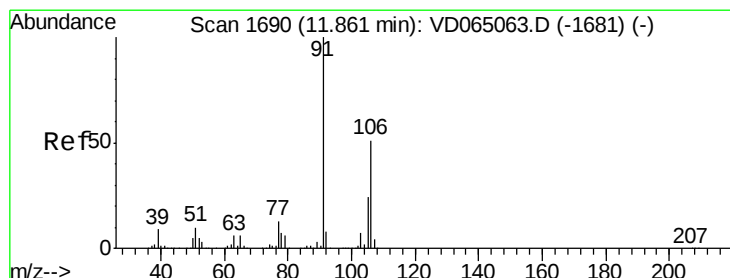
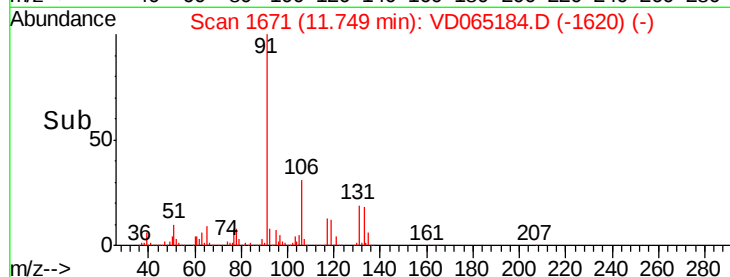
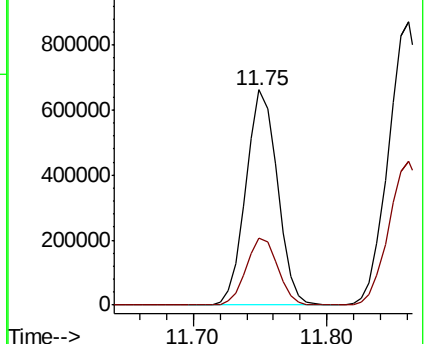
91 100

106 31.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 108.072 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065184.D

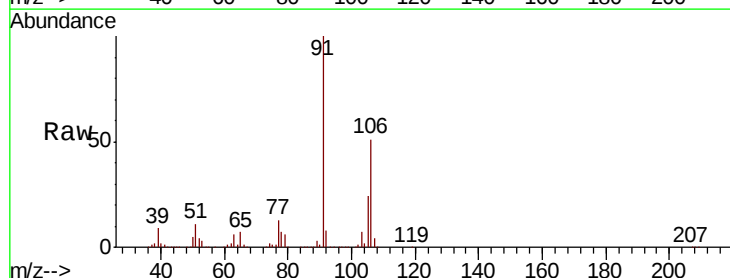
Acq: 14 Feb 2020 10:16

Tgt Ion: 106 Resp: 840453

Ion Ratio Lower Upper

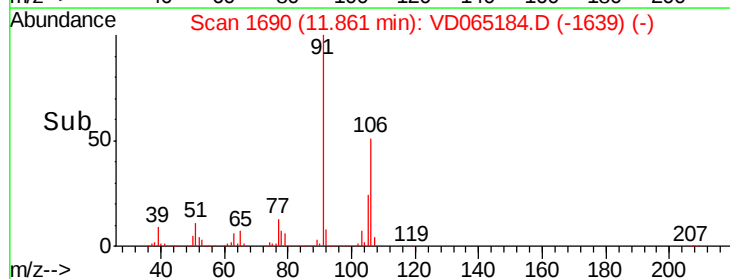
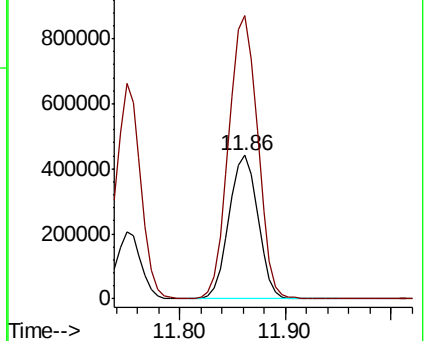
106 100

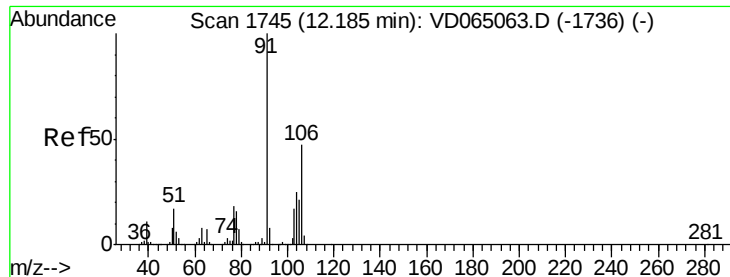
91 197.5 158.9 238.3



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

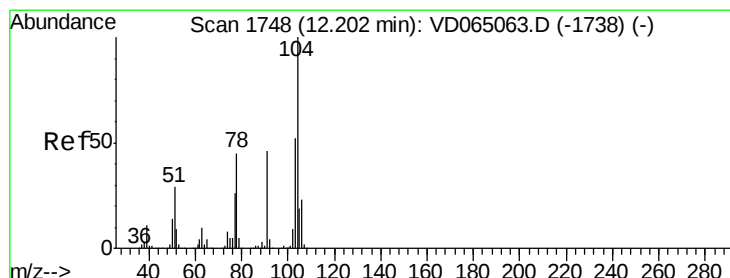
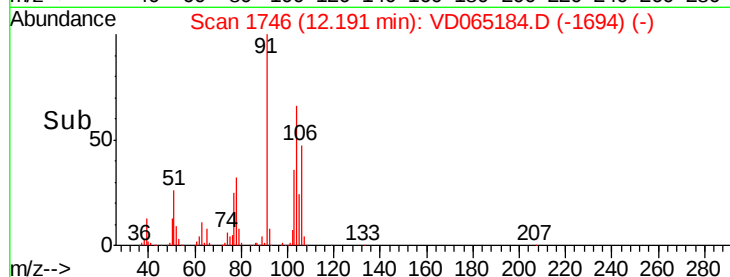
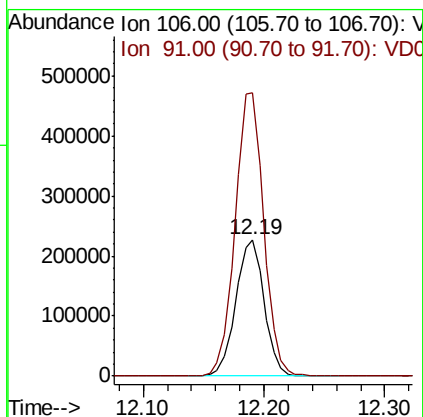
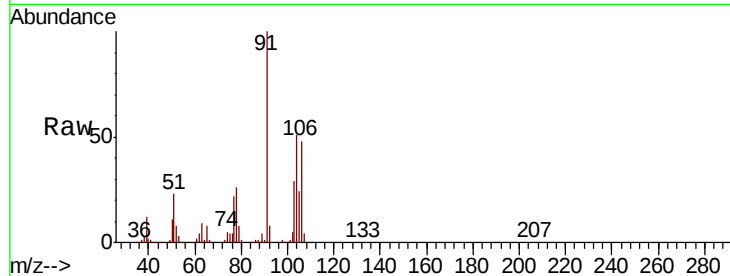




#69
o-Xylene
Concen: 53.061 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

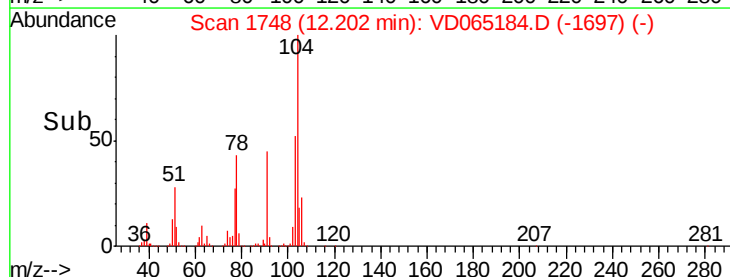
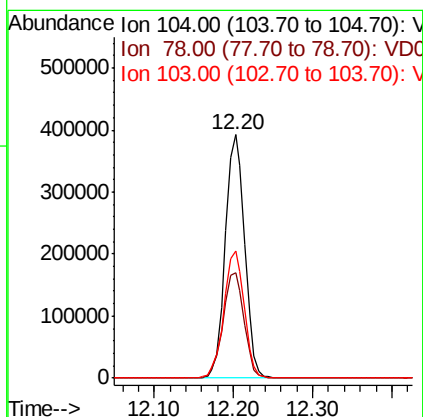
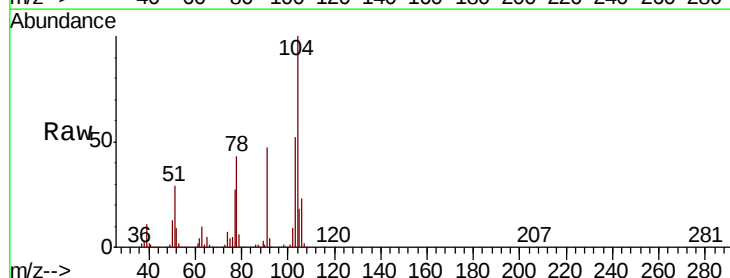
Instrument :
MSVOA_D
ClientSampled :

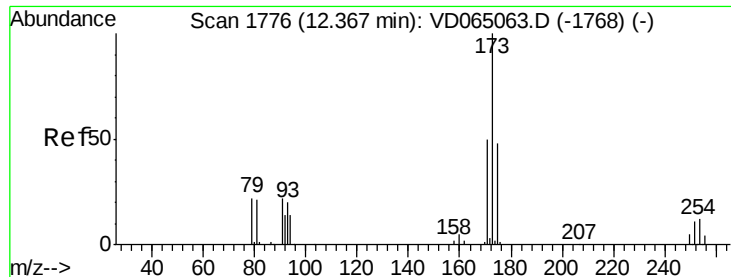
Tot Ion:106 Resp: 371594
Ion Ratio Lower Upper
106 100
91 209.9 104.7 313.9



#70
Styrene
Concen: 54.399 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion:104 Resp: 662128
Ion Ratio Lower Upper
104 100
78 46.9 38.5 57.7
103 54.9 43.8 65.8





#71

Bromoform

Concen: 50.266 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

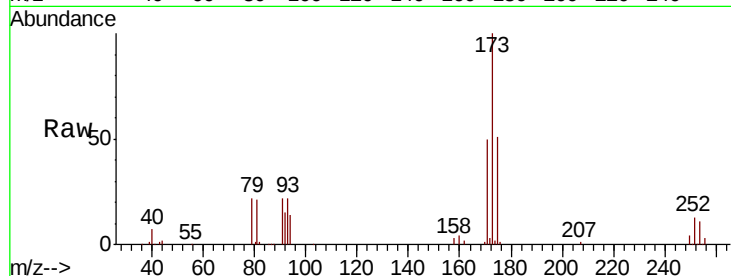
Tot Ion:173 Resp: 111991

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

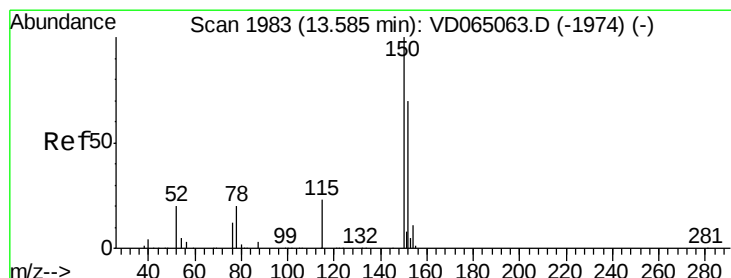
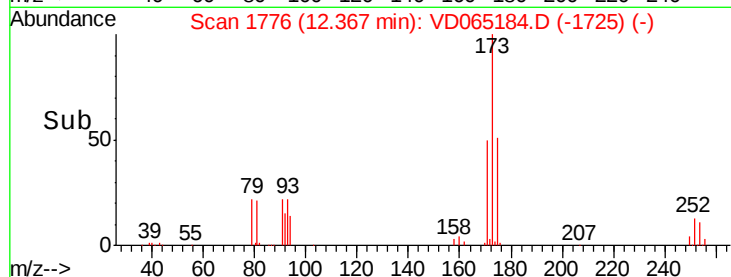
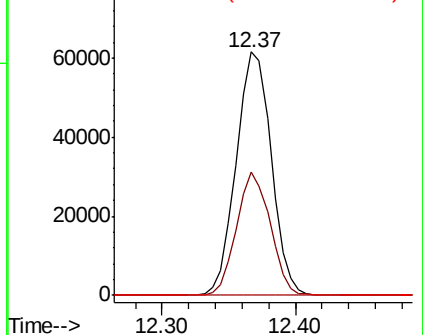
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VD065184.D

Acq: 14 Feb 2020 10:16

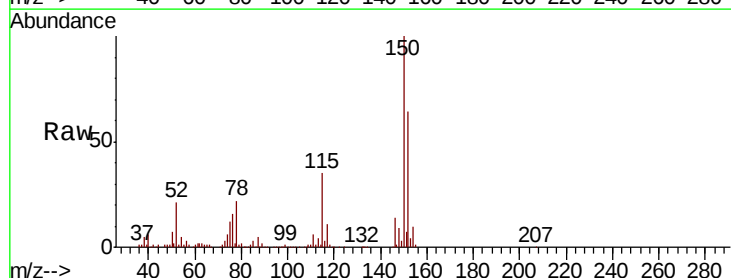
Tgt Ion:152 Resp: 287399

Ion Ratio Lower Upper

152 100

115 55.1 27.5 82.4

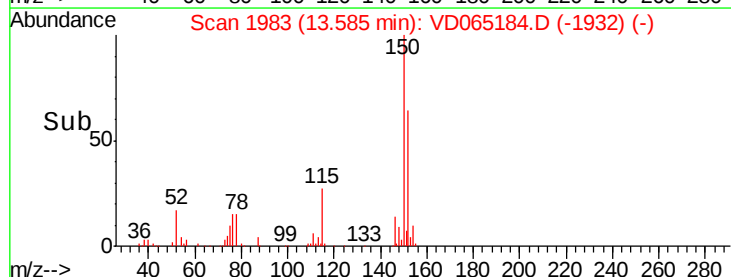
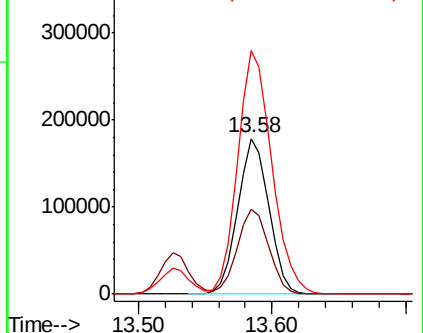
150 172.5 0.0 343.2

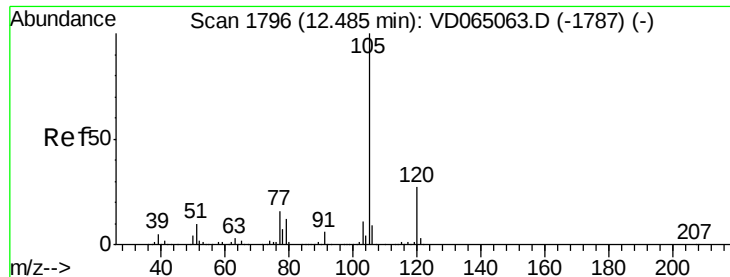


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.431 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

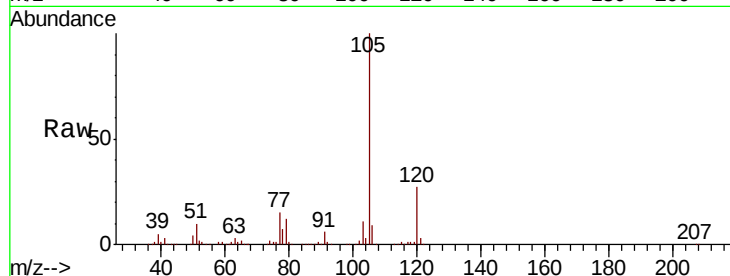
ClientSampleId :

Tot Ion:105 Resp: 1014536

Ion Ratio Lower Upper

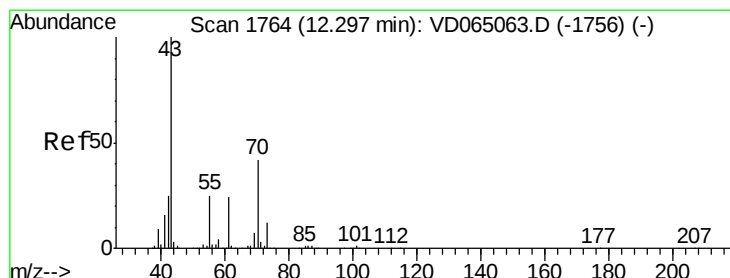
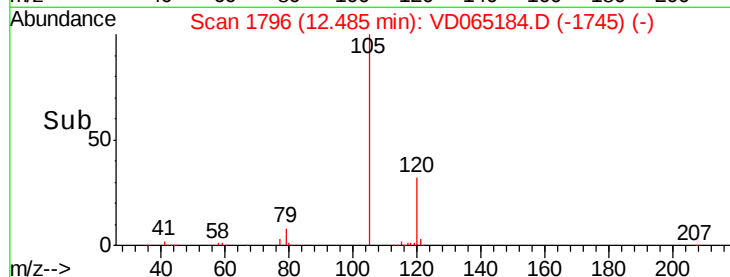
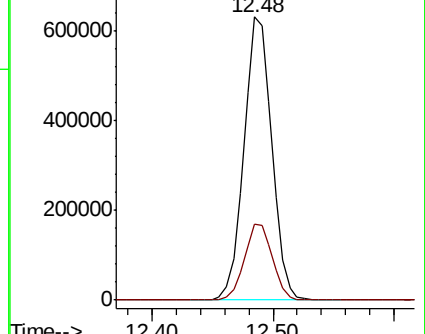
105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.342 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Tgt Ion: 43 Resp: 194404

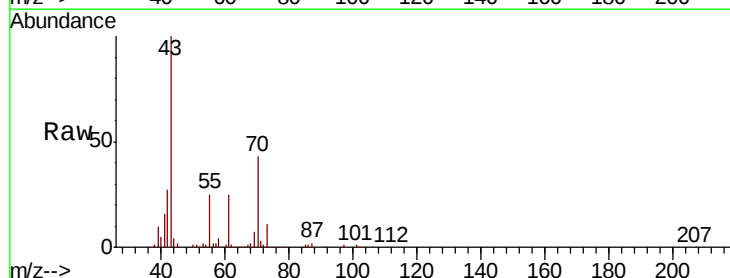
Ion Ratio Lower Upper

43 100

70 42.7 33.5 50.3

55 27.0 19.4 29.2

61 24.1 18.6 28.0

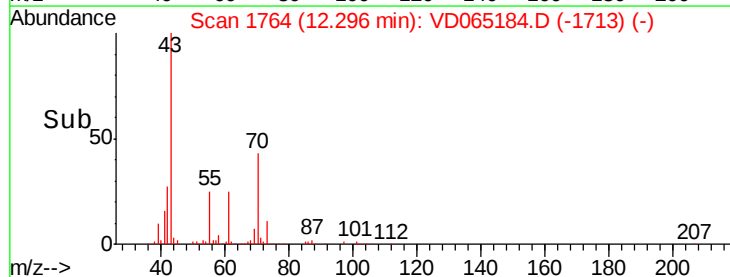
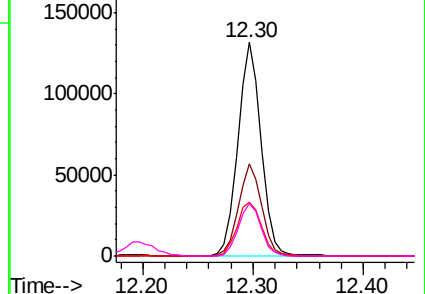


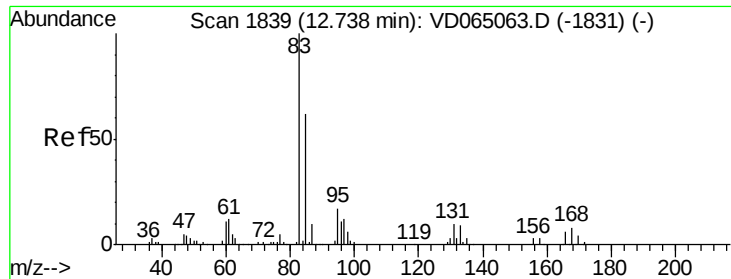
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.670 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

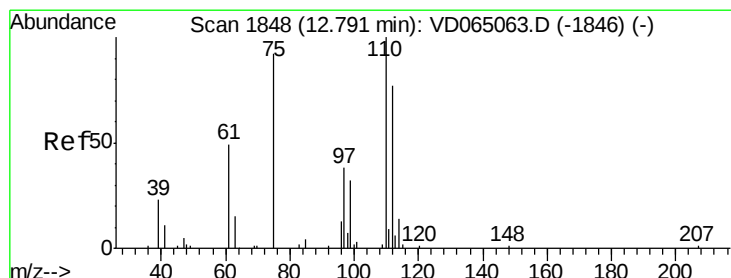
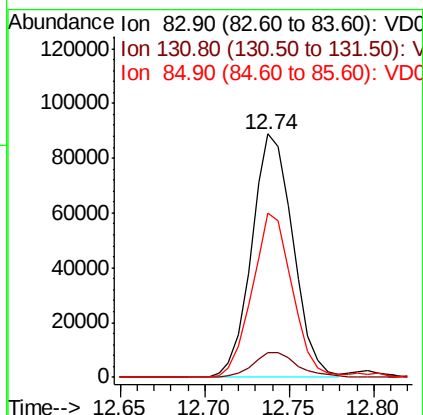
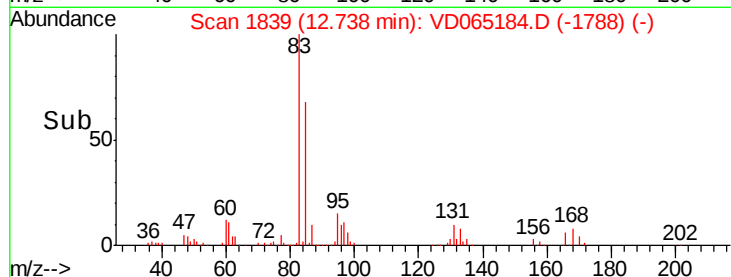
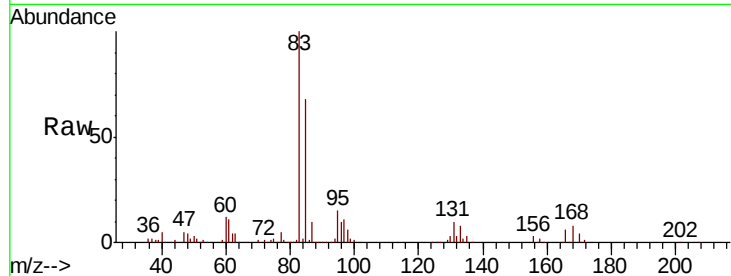
Tot Ion: 83 Resp: 151099

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

85 65.4 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 93.536 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065184.D

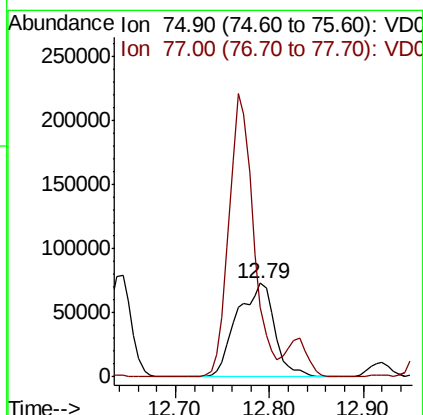
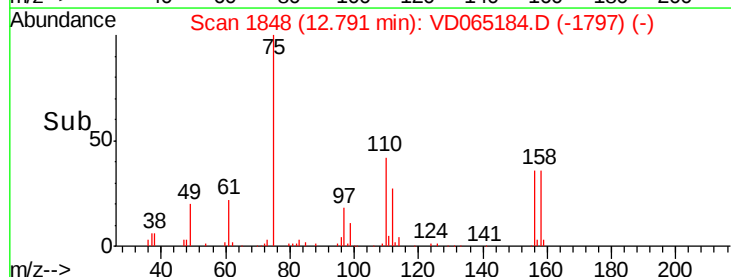
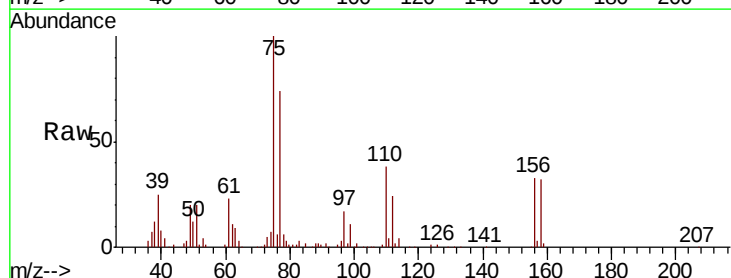
Acq: 14 Feb 2020 10:16

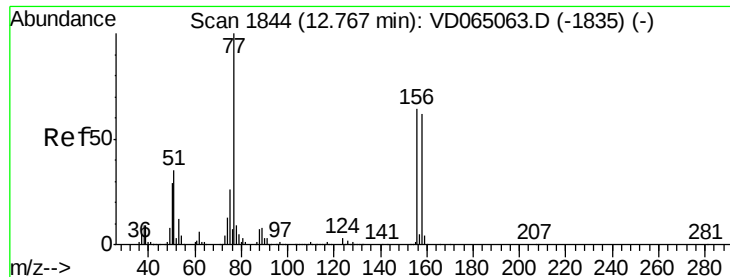
Tgt Ion: 75 Resp: 203527

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.041 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampled :

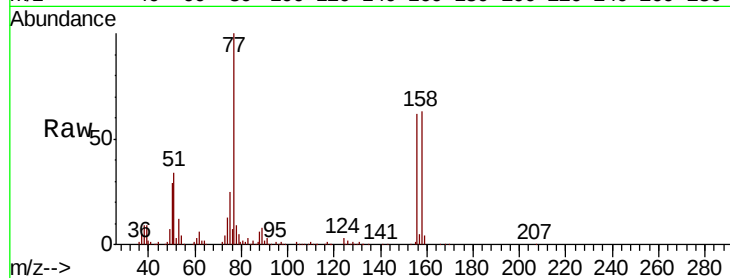
Tot Ion:156 Resp: 237829

Ion Ratio Lower Upper

156 100

77 169.1 85.6 256.8

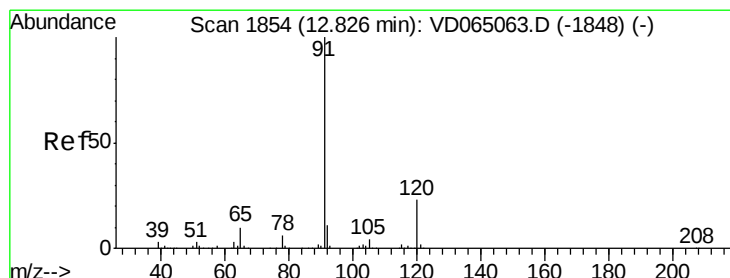
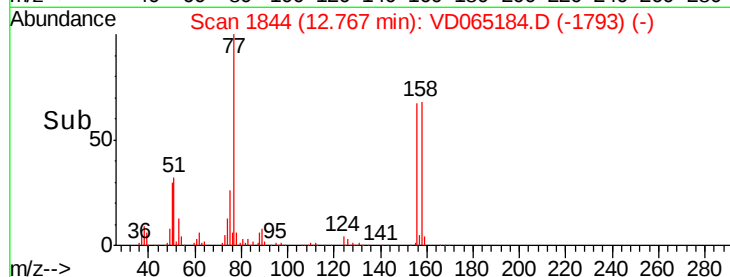
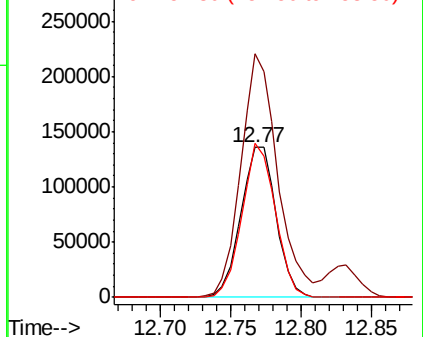
158 96.9 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.973 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065184.D

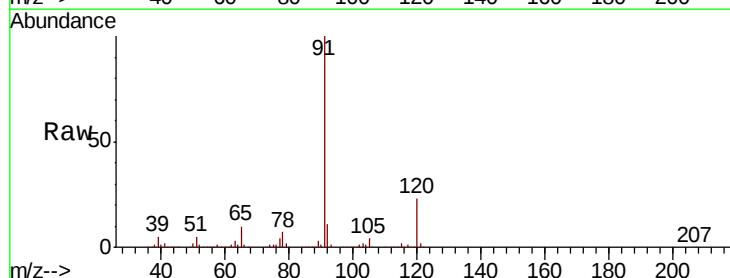
Acq: 14 Feb 2020 10:16

Tgt Ion: 91 Resp: 1223715

Ion Ratio Lower Upper

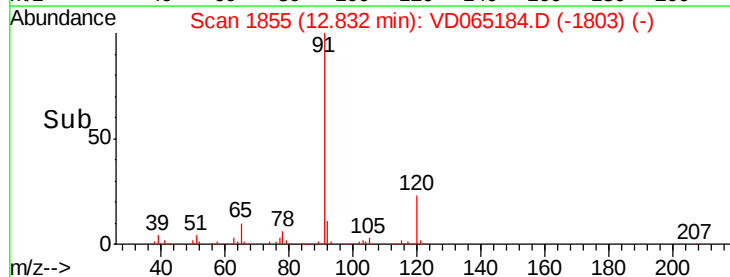
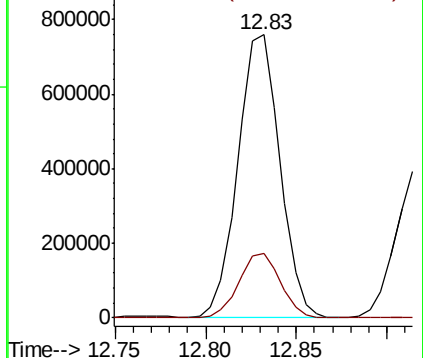
91 100

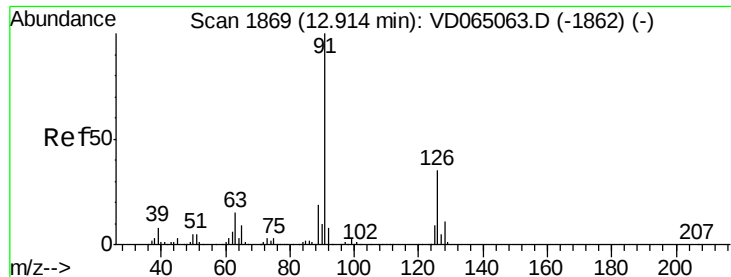
120 22.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

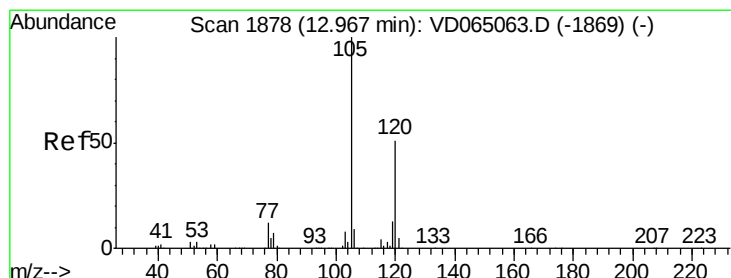
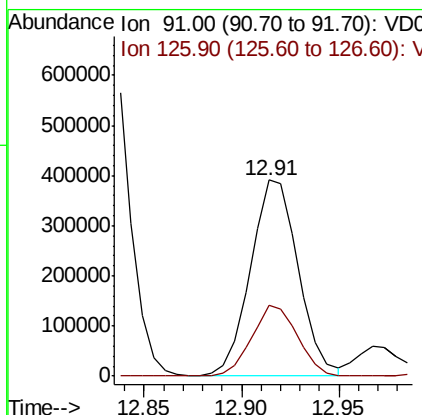
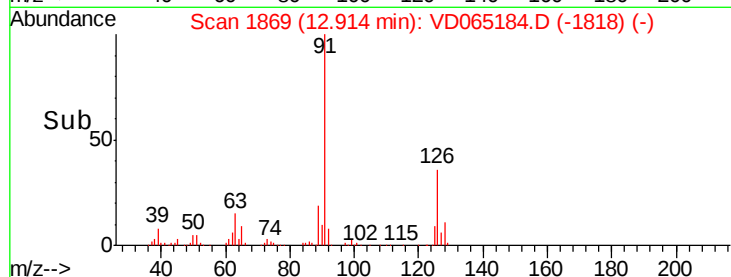
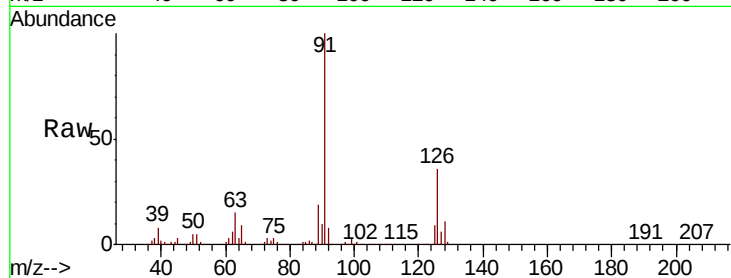




#79
 2-Chlorotoluene
 Concen: 51.445 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

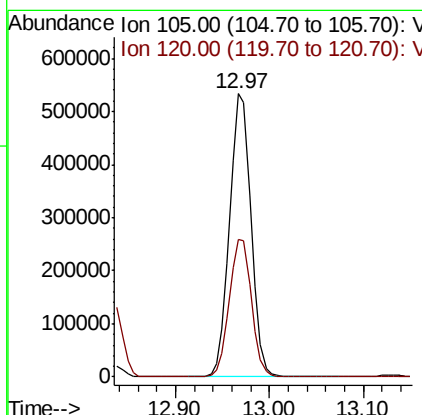
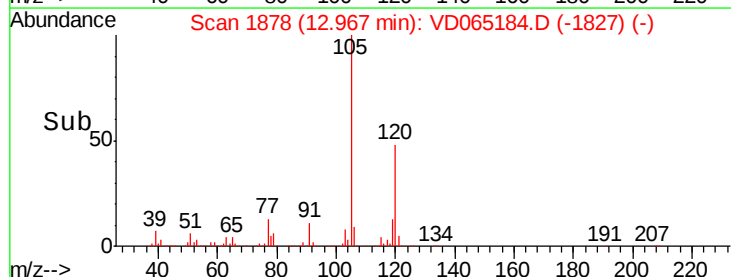
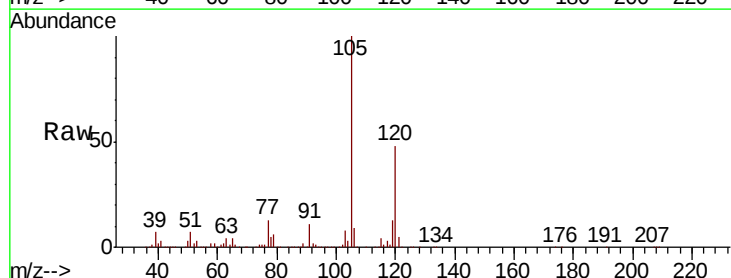
Instrument :
 MSVOA_D
 ClientSampled :

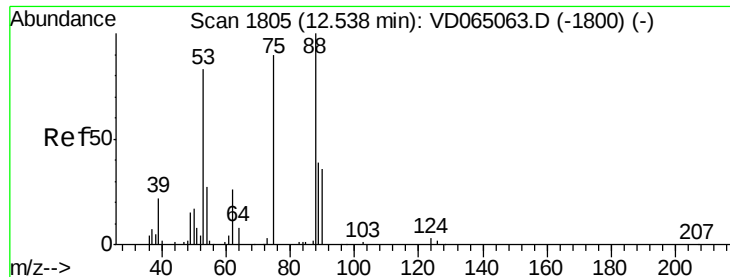
Tot Ion: 91 Resp: 662438
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.4 52.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.340 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion: 105 Resp: 844657
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.491 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

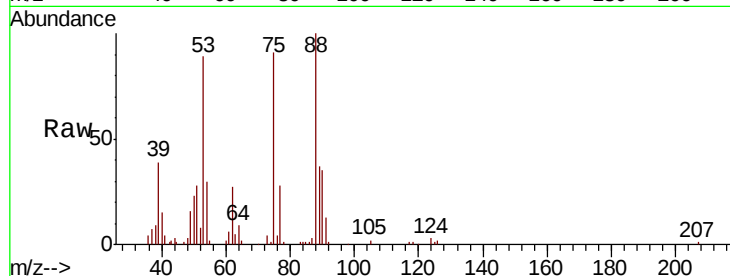
Tot Ion: 75 Resp: 50582

Ion Ratio Lower Upper

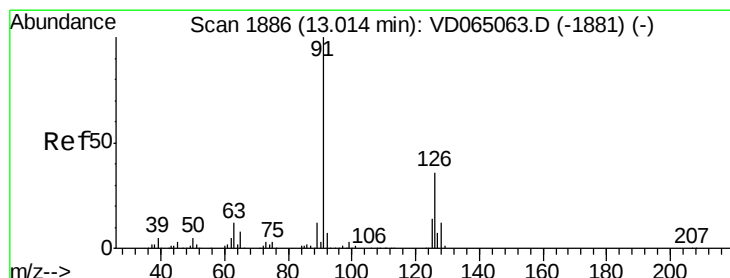
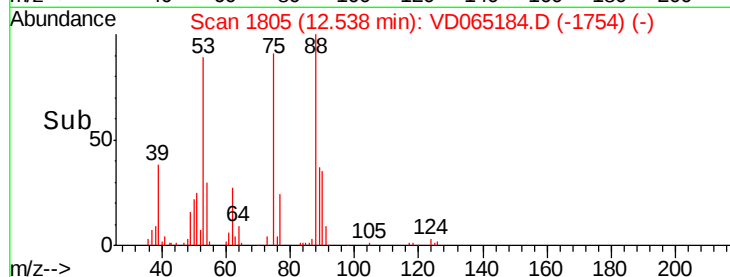
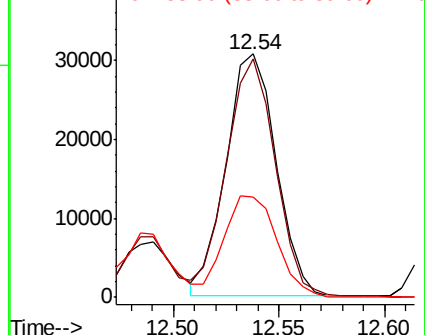
75 100

53 97.5 78.5 117.7

89 43.2 37.0 55.4



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



#82

4-Chlorotoluene

Concen: 52.343 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065184.D

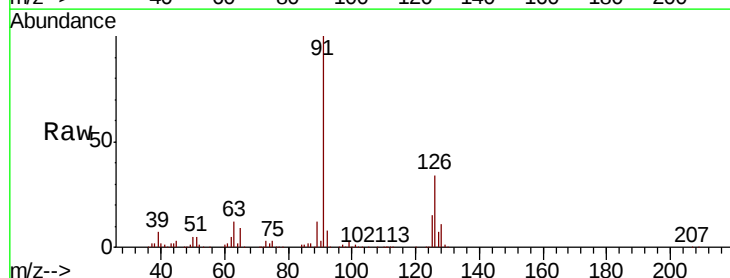
Acq: 14 Feb 2020 10:16

Tgt Ion: 91 Resp: 707871

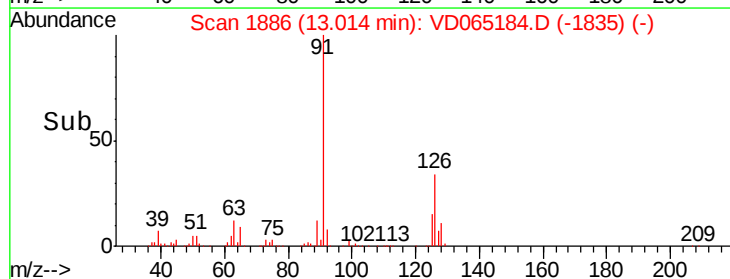
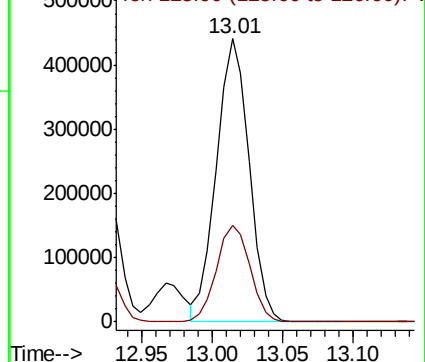
Ion Ratio Lower Upper

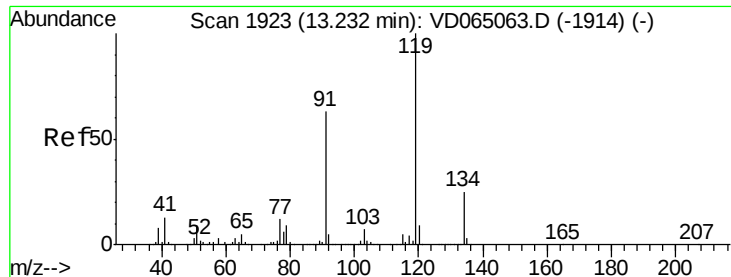
91 100

126 35.2 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V

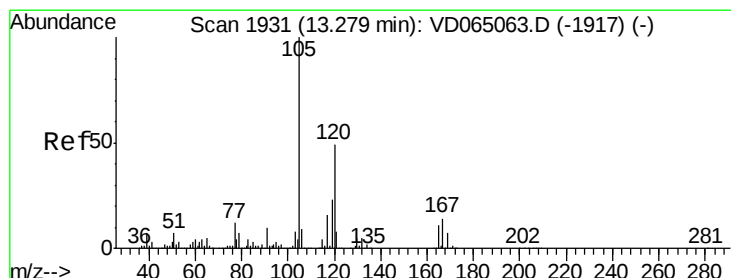
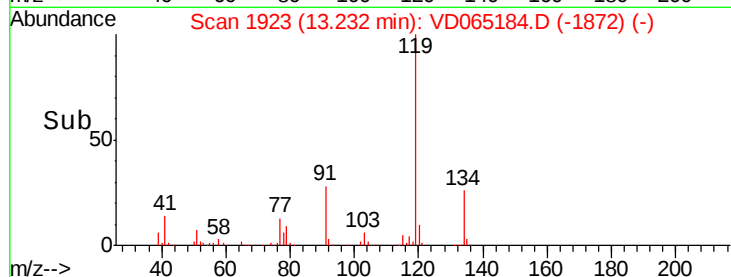
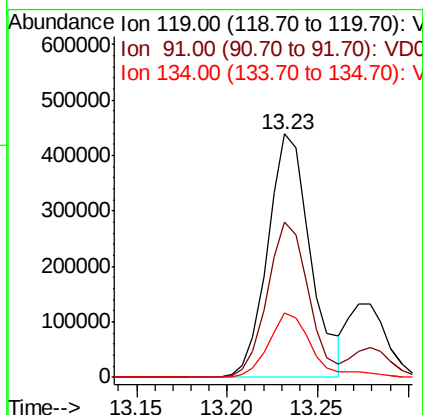
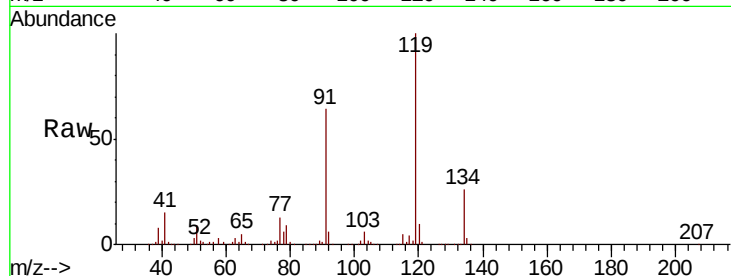




#83
tert-Butylbenzene
Concen: 51.672 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

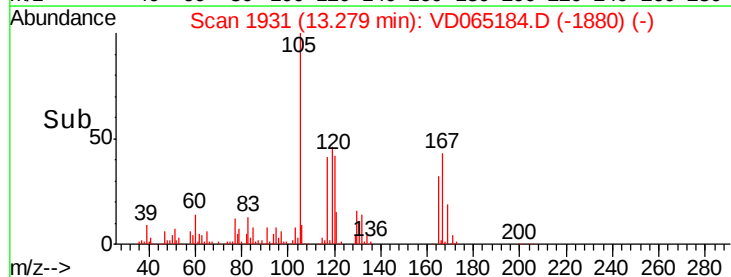
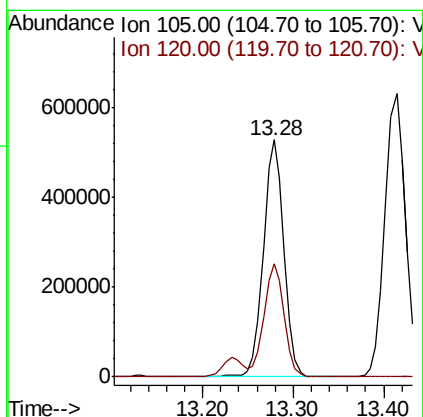
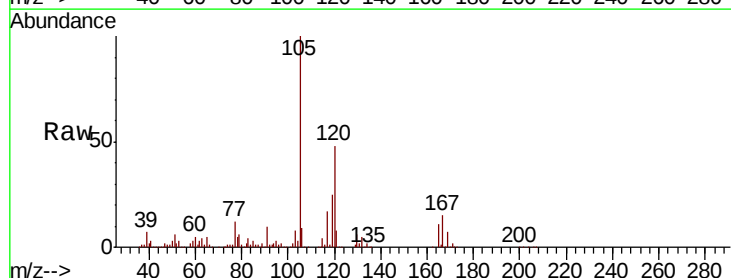
Instrument :
MSVOA_D
ClientSampled :

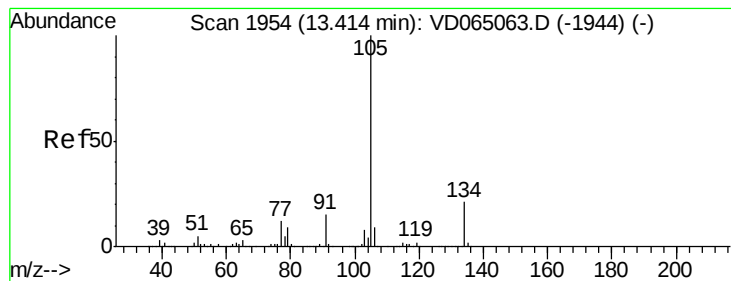
Tot Ion:119 Resp: 719412
Ion Ratio Lower Upper
119 100
91 61.7 32.3 96.9
134 27.3 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 52.172 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion:105 Resp: 835867
Ion Ratio Lower Upper
105 100
120 47.0 23.5 70.5





#85

sec-Butylbenzene

Concen: 52.188 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

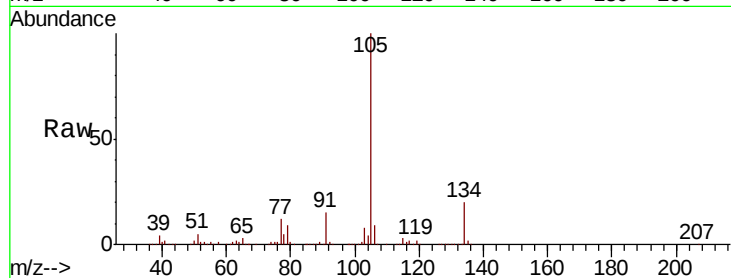
ClientSampleId :

Tot Ion:105 Resp: 992397

Ion Ratio Lower Upper

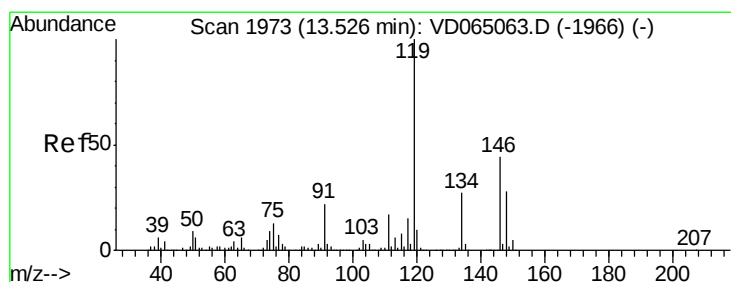
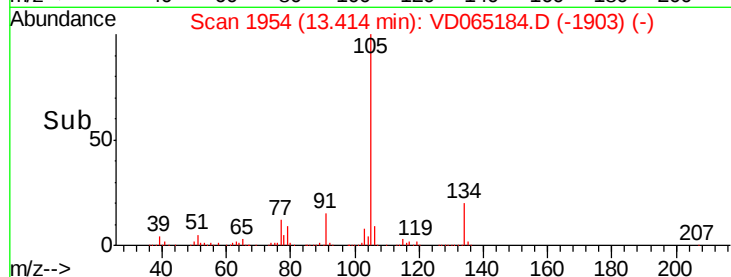
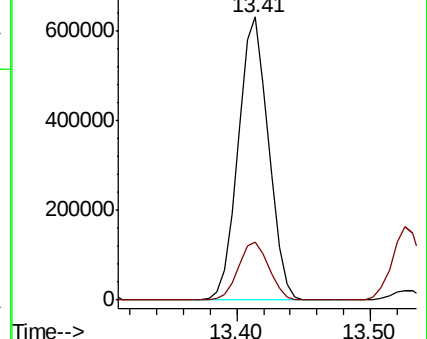
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.485 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

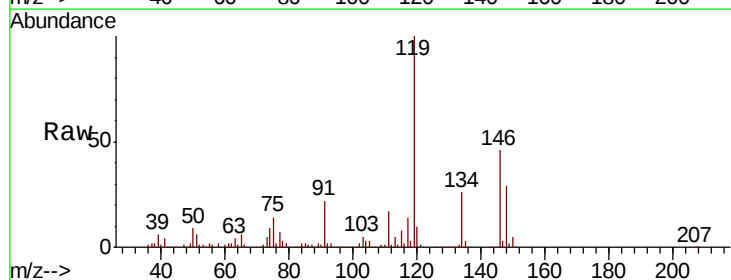
Tgt Ion:119 Resp: 927302

Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.5

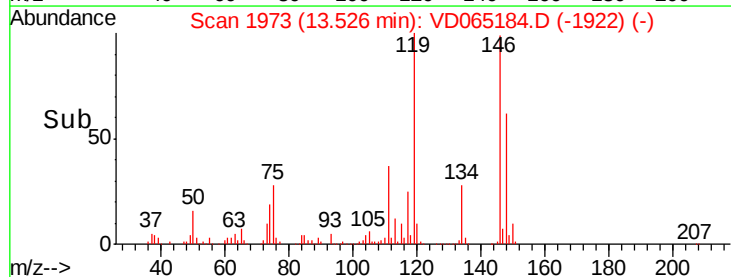
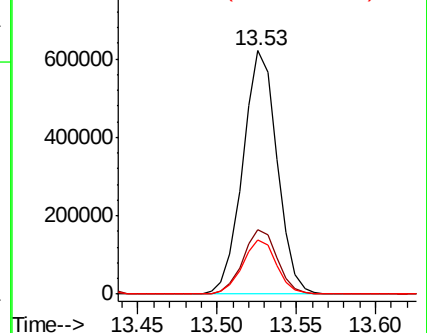
91 22.2 11.3 33.9

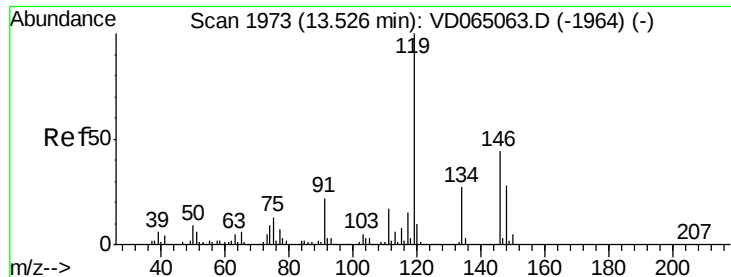


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.234 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

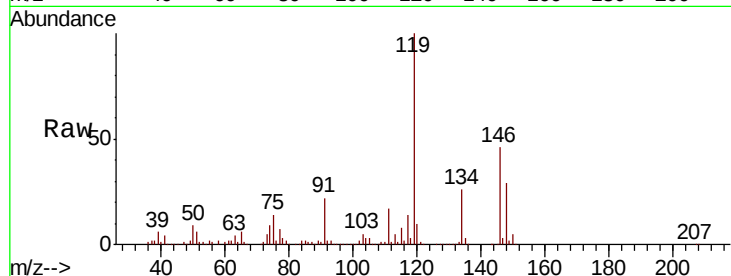
Tot Ion:146 Resp: 464801

Ion Ratio Lower Upper

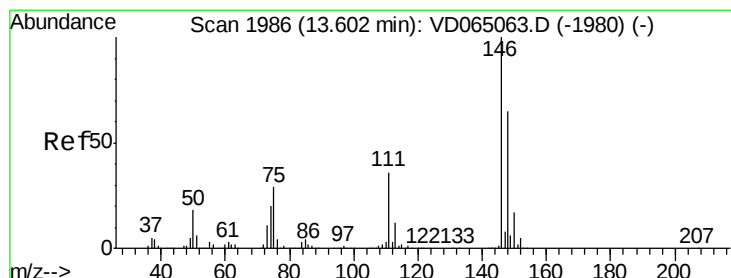
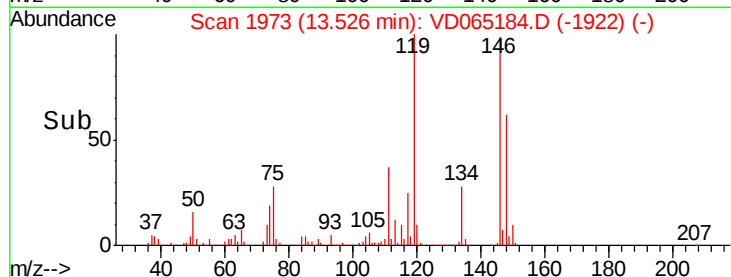
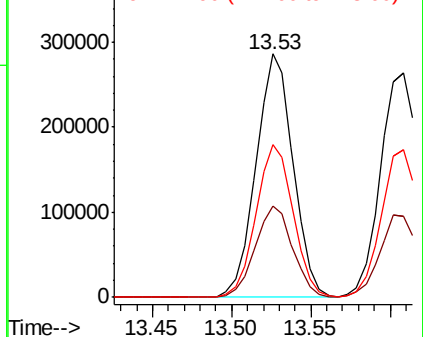
146 100

111 38.0 19.4 58.4

148 63.1 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.438 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

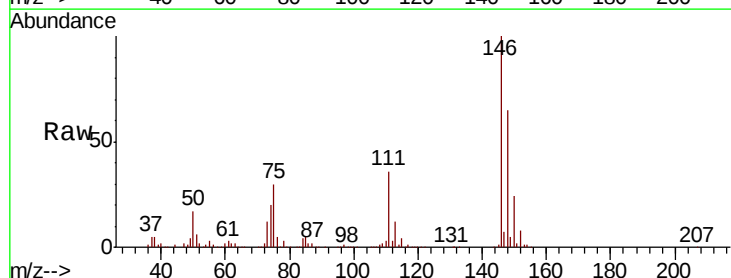
Tgt Ion:146 Resp: 446707

Ion Ratio Lower Upper

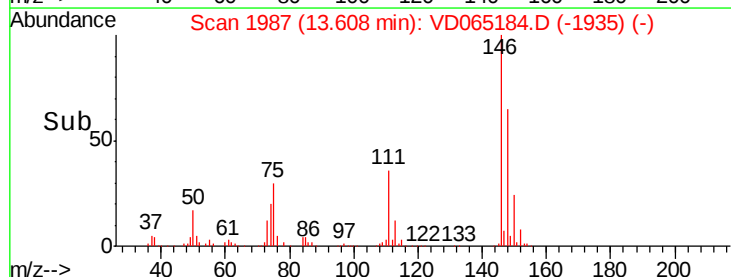
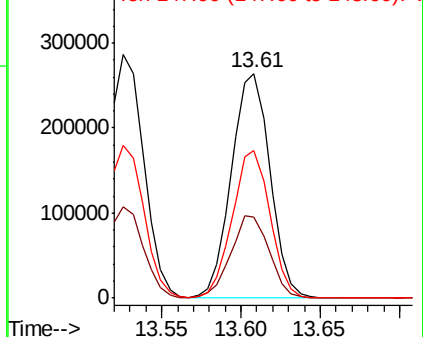
146 100

111 36.5 18.5 55.5

148 64.2 32.7 98.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

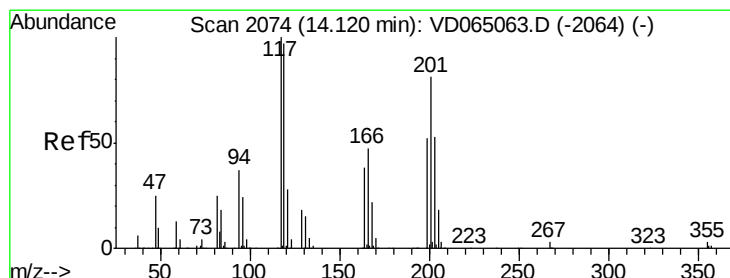
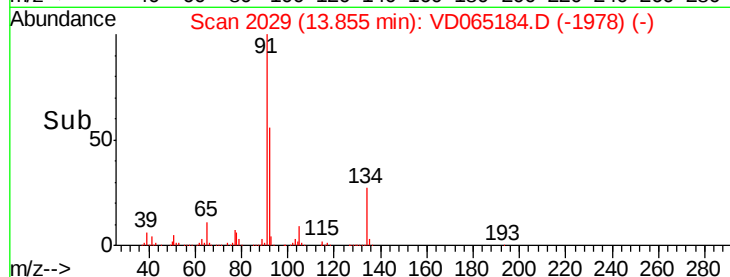
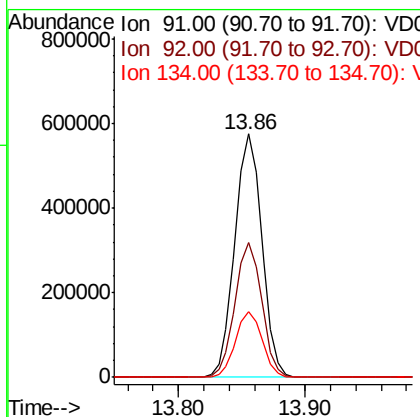
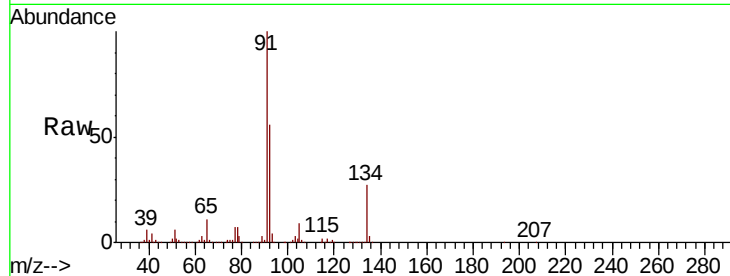




#89
n-Butylbenzene
Concen: 52.174 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

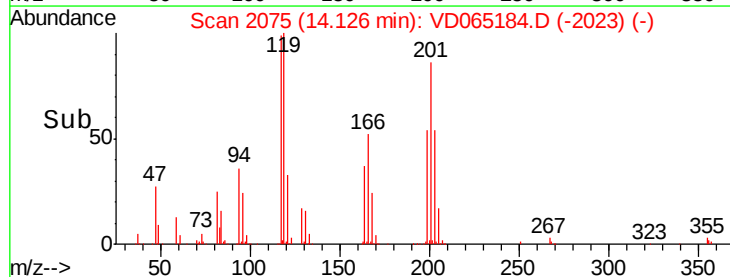
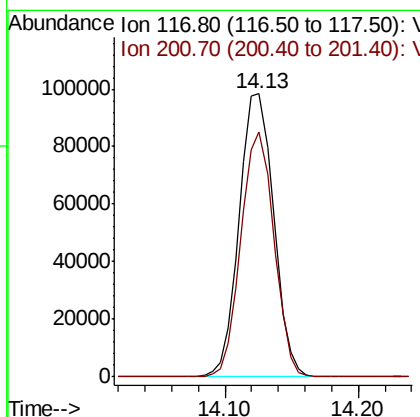
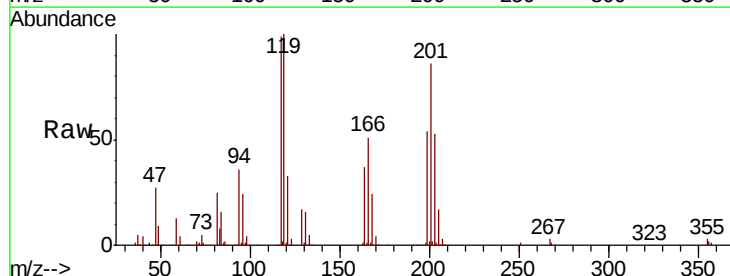
Instrument :
MSVOA_D
ClientSampleId :

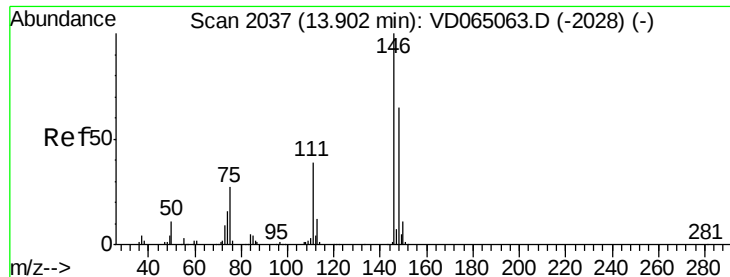
Tot Ion: 91 Resp: 850819
Ion Ratio Lower Upper
91 100
92 54.7 26.7 80.1
134 26.8 13.4 40.2



#90
Hexachloroethane
Concen: 52.723 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065184.D
Acq: 14 Feb 2020 10:16

Tgt Ion: 117 Resp: 176388
Ion Ratio Lower Upper
117 100
201 82.6 42.5 127.6

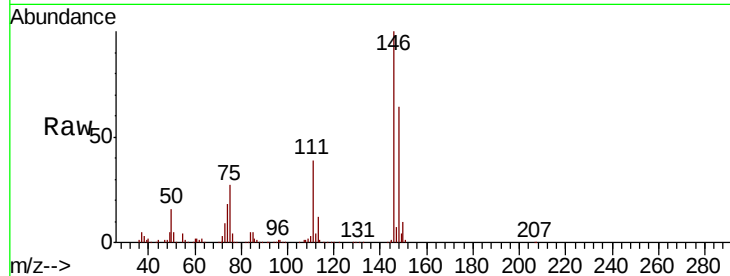




#91
 1,2-Dichlorobenzene
 Concen: 50.569 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.7	31.9	95.5

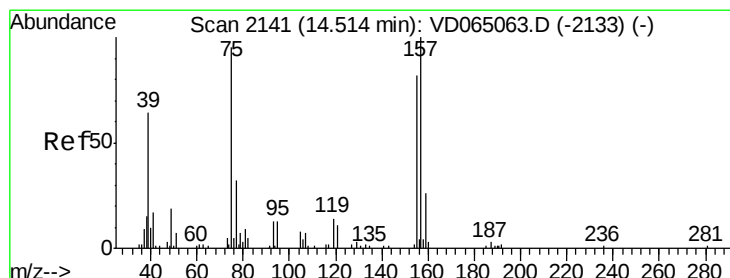
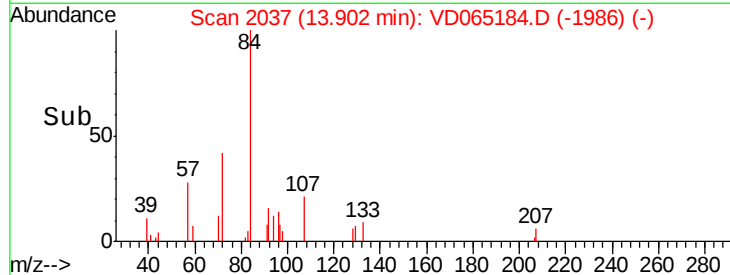
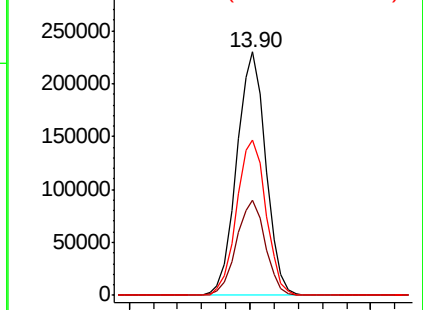


Abundance

Ion 145.90 (145.60 to 146.60): V

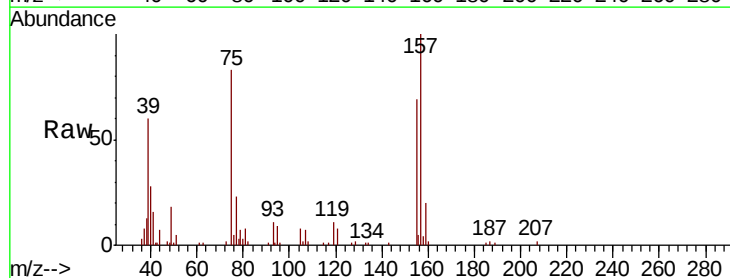
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.563 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	43.4	130.1
157	113.9	55.8	167.3

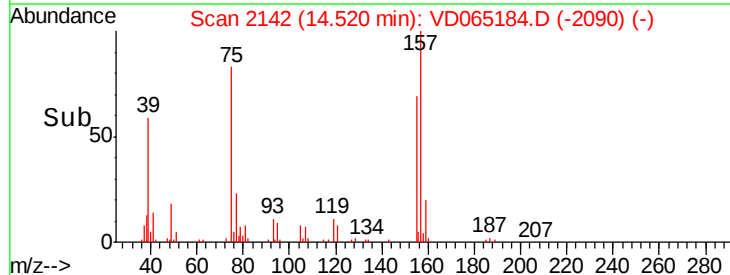
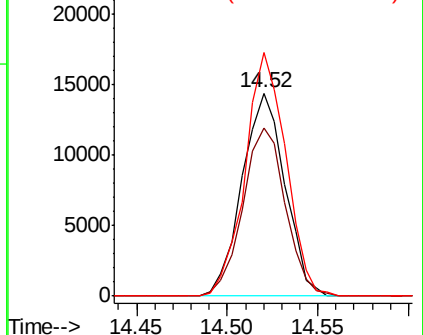


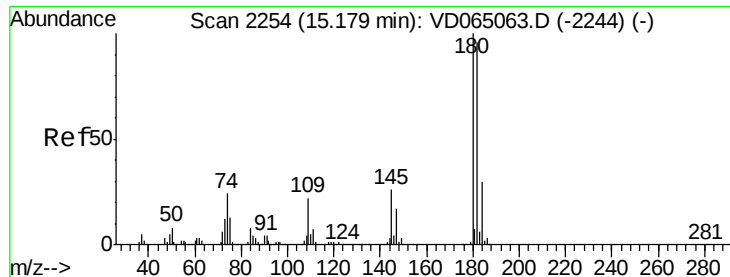
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

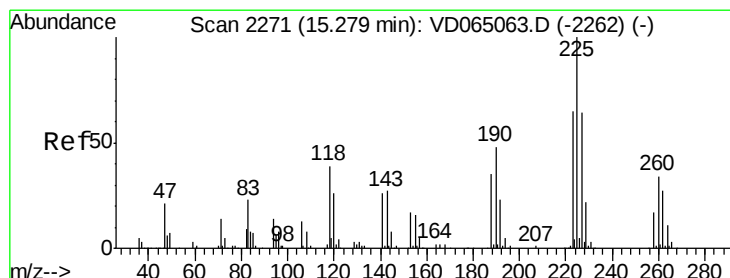
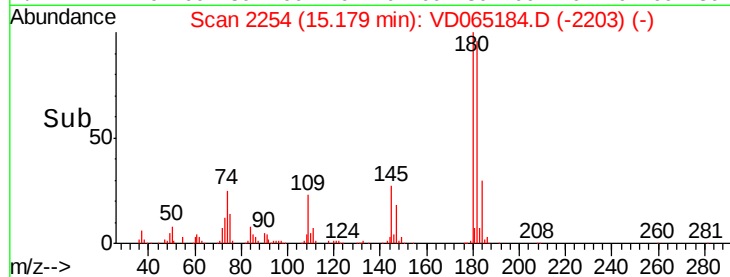
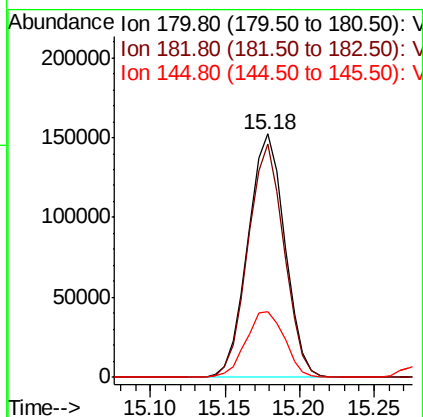
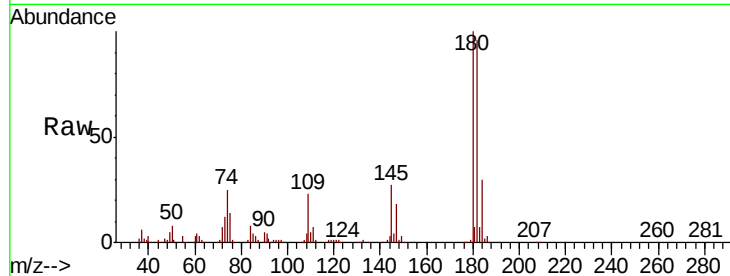




#93
 1,2,4-Trichlorobenzene
 Concen: 47.734 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

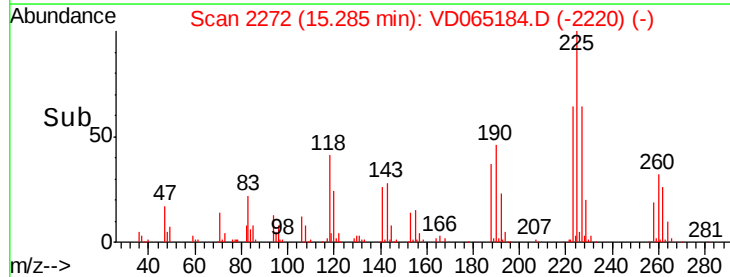
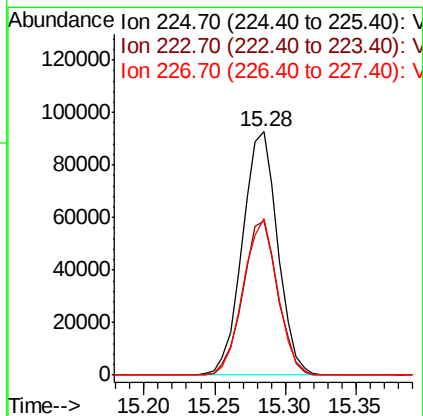
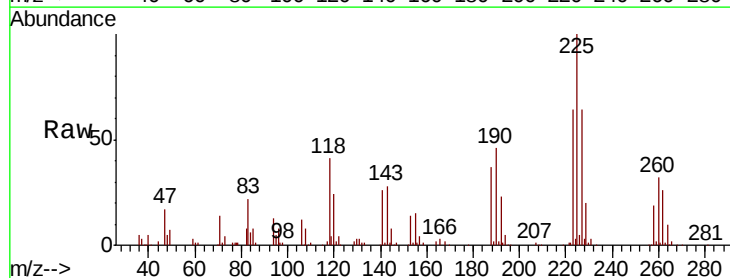
Instrument :
 MSVOA_D
 ClientSampleId :

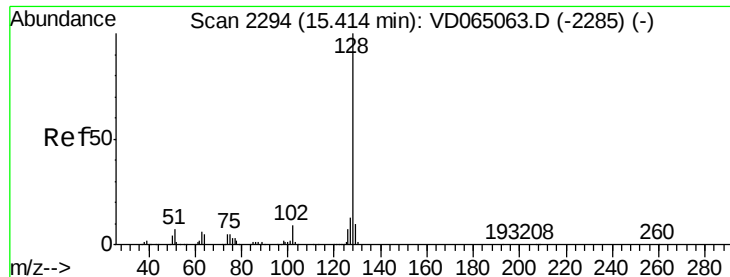
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.4	142.3
145	28.2	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 48.346 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065184.D
 Acq: 14 Feb 2020 10:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.4	94.0
227	62.8	31.8	95.3





#95

Naphthalene

Concen: 43.446 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

Instrument :

MSVOA_D

ClientSampleId :

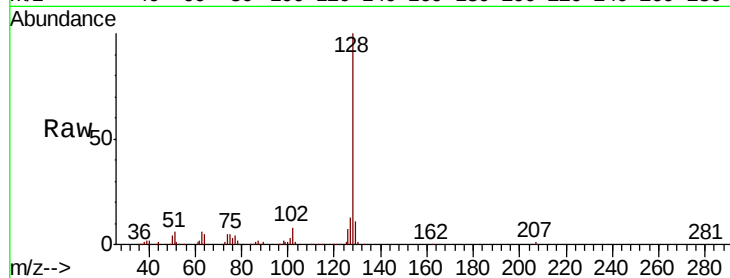
Tot Ion:128 Resp: 393377

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 11.0 8.7 13.1

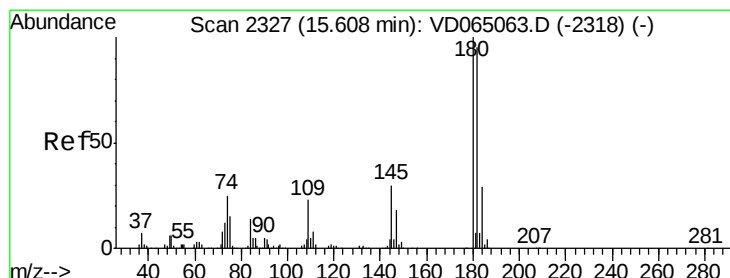
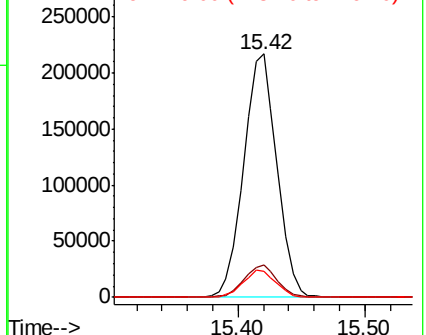
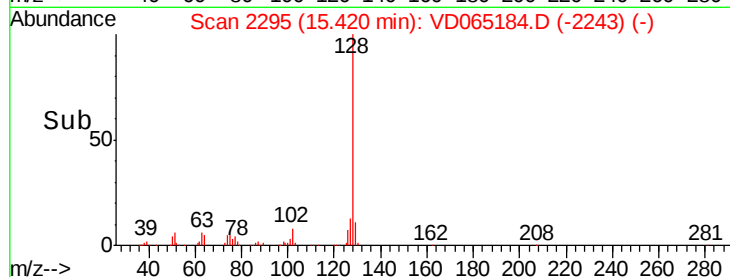


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 46.147 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065184.D

Acq: 14 Feb 2020 10:16

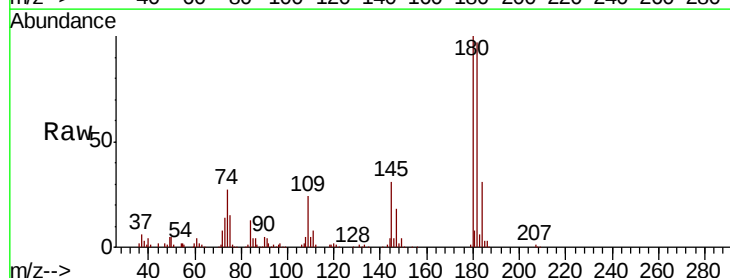
Tgt Ion:180 Resp: 215028

Ion Ratio Lower Upper

180 100

182 96.7 47.1 141.4

145 31.1 14.9 44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

