

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065215.D
 Acq On : 18 Feb 2020 11:58
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Feb 19 03:02:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 02:58:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	530688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	790934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	718006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	344277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	234735	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
35) Dibromofluoromethane	7.92	113	237405	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
50) Toluene-d8	10.34	98	932075	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.64	95	293583	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	219755	49.371	ug/l	100
3) Chloromethane	2.21	50	262765	46.380	ug/l	100
4) Vinyl Chloride	2.35	62	275820	47.877	ug/l	100
5) Bromomethane	2.77	94	153391	44.037	ug/l	100
6) Chloroethane	2.93	64	166148	47.248	ug/l	100
7) Trichlorofluoromethane	3.27	101	386583	46.870	ug/l	100
8) Diethyl Ether	3.71	74	117334	47.128	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	241449	46.356	ug/l	100
10) Methyl Iodide	4.30	142	288859	53.413	ug/l	100
11) Tert butyl alcohol	5.26	59	65447	229.411	ug/l	100
12) 1,1-Dichloroethene	4.06	96	234321	47.623	ug/l	100
13) Acrolein	3.93	56	77376	182.191	ug/l	100
14) Allyl chloride	4.71	41	383460	47.992	ug/l	100
15) Acrylonitrile	5.43	53	267028	242.255	ug/l	100
16) Acetone	4.17	43	307169	263.206	ug/l	100
17) Carbon Disulfide	4.40	76	779088	47.229	ug/l	100
18) Methyl Acetate	4.73	43	122815	46.791	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	514780	50.171	ug/l	100
20) Methylene Chloride	4.97	84	256753	43.340	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	265659	47.495	ug/l	100
22) Diisopropyl ether	6.37	45	767271	49.813	ug/l	100
23) Vinyl Acetate	6.31	43	2222696	261.751	ug/l	100
24) 1,1-Dichloroethane	6.27	63	448888	46.985	ug/l	100
25) 2-Butanone	7.22	43	378548	256.374	ug/l	100
26) 2,2-Dichloropropane	7.21	77	381794	46.058	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	283052	47.774	ug/l	100
28) Bromochloromethane	7.55	49	160480	45.276	ug/l	100
29) Tetrahydrofuran	7.57	42	220968	255.412	ug/l	100
30) Chloroform	7.71	83	451931	46.952	ug/l	100
31) Cyclohexane	7.98	56	433862	46.219	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	399796	46.424	ug/l	100
36) 1,1-Dichloropropene	8.11	75	362884	47.153	ug/l	100
37) Ethyl Acetate	7.30	43	150917	46.909	ug/l	100
38) Carbon Tetrachloride	8.10	117	366582	46.792	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	447456	49.456	ug/l	100
40) Benzene	8.36	78	1030423	47.436	ug/l	100
41) Methacrylonitrile	7.53	41	85821	46.200	ug/l	100
42) 1,2-Dichloroethane	8.43	62	282980	47.387	ug/l	100
43) Isopropyl Acetate	8.46	43	290461	49.648	ug/l	100
44) Trichloroethene	9.11	130	282935	46.989	ug/l	100
45) 1,2-Dichloropropane	9.39	63	257522	47.677	ug/l	100
46) Dibromomethane	9.48	93	134578	48.425	ug/l	100
47) Bromodichloromethane	9.67	83	346739	47.343	ug/l	100
48) Methyl methacrylate	9.46	41	139827	51.707	ug/l	100
49) 1,4-Dioxane	9.47	88	32273	990.120	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	752925	253.383	ug/l	100
52) Toluene	10.41	92	664288	49.406	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	334279	49.241	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	400568	48.864	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	187101	47.832	ug/l	100
56) Ethyl methacrylate	10.67	69	233550	51.729	ug/l	100
57) 1,3-Dichloropropane	10.95	76	320676	48.167	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	317650	223.160	ug/l	100
59) 2-Hexanone	10.99	43	572149	268.979	ug/l	100
60) Dibromochloromethane	11.14	129	240617	48.060	ug/l	100
61) 1,2-Dibromoethane	11.25	107	180486	48.733	ug/l	100
64) Tetrachloroethene	10.88	164	238702	46.875	ug/l	100
65) Chlorobenzene	11.67	112	680871	47.255	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	252620	46.982	ug/l	100
67) Ethyl Benzene	11.75	91	1229376	48.717	ug/l	100
68) m/p-Xylenes	11.86	106	951826	98.586	ug/l	100
69) o-Xylene	12.18	106	428332	50.076	ug/l	100
70) Styrene	12.20	104	760584	50.083	ug/l	100
71) Bromoform	12.37	173	141269	47.348	ug/l #	100
73) Isopropylbenzene	12.48	105	1155428	50.693	ug/l	100
74) N-amyl acetate	12.30	43	265423	52.407	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	198519	48.259	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	263026	53.311	ug/l #	100
77) Bromobenzene	12.77	156	279377	49.361	ug/l	100
78) n-propylbenzene	12.83	91	1381873	50.451	ug/l	100
79) 2-Chlorotoluene	12.91	91	759245	49.480	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	944641	50.320	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	67655	49.870	ug/l	100
82) 4-Chlorotoluene	13.01	91	800042	49.112	ug/l	100
83) tert-Butylbenzene	13.23	119	796229	50.606	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	948242	50.465	ug/l	100
85) sec-Butylbenzene	13.41	105	1128605	49.780	ug/l	100
86) p-Isopropyltoluene	13.53	119	1051013	50.692	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	527994	48.255	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	520144	48.166	ug/l	100
89) n-Butylbenzene	13.86	91	963995	50.457	ug/l	100
90) Hexachloroethane	14.12	117	200594	47.649	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	452255	48.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	31052	48.984	ug/l	100

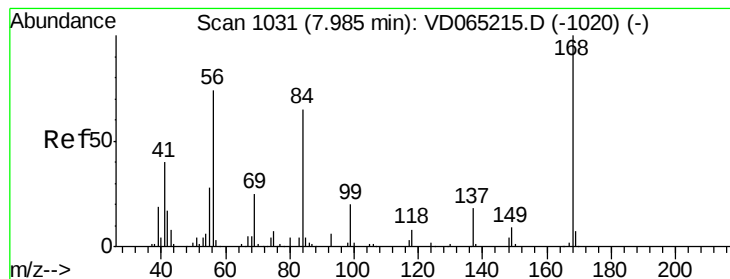
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	309815	50.415	ug/l	100
94) Hexachlorobutadiene	15.28	225	185072	46.947	ug/l	100
95) Naphthalene	15.41	128	528917	52.943	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	267259	49.795	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

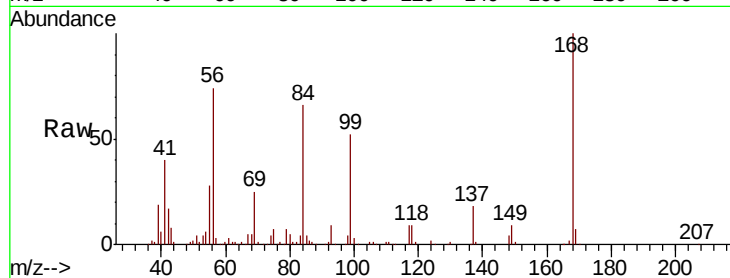
VSTDICCC050

Tot Ion:168 Resp: 530688

Ion Ratio Lower Upper

168 100

99 51.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

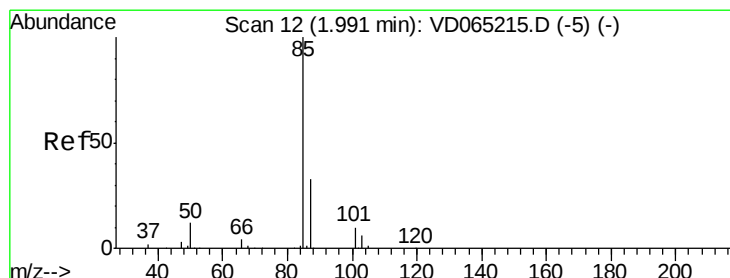
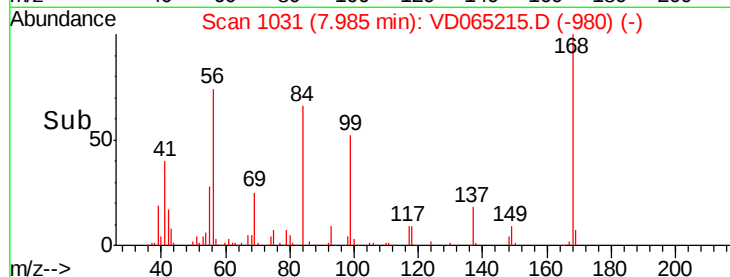
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.371 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065215.D

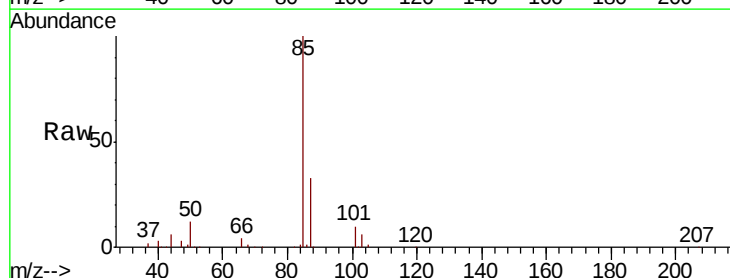
Acq: 18 Feb 2020 11:58

Tgt Ion: 85 Resp: 219755

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

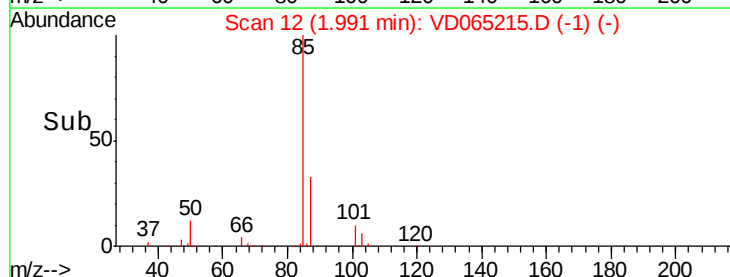
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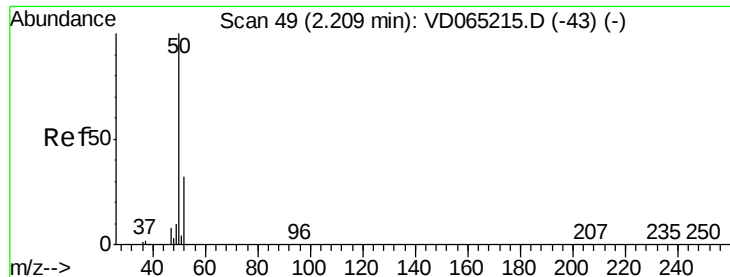
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50000

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Time-->





#3

Chloromethane

Concen: 46.380 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

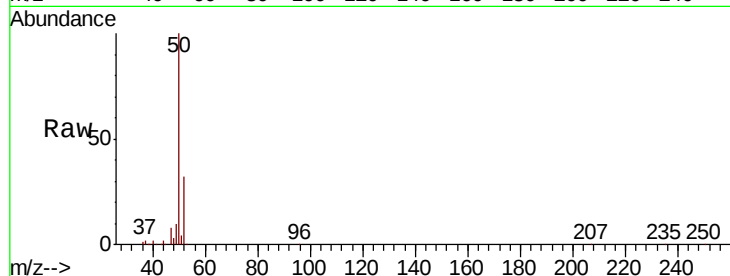
VSTDICCC050

Tot Ion: 50 Resp: 262765

Ion Ratio Lower Upper

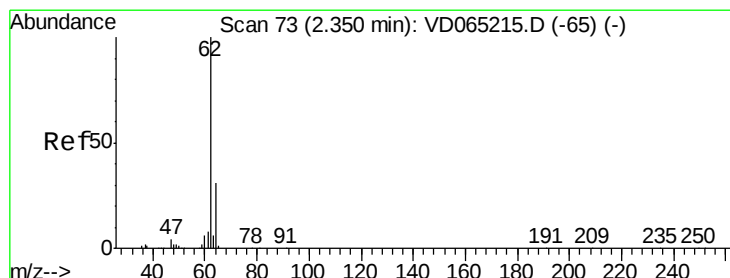
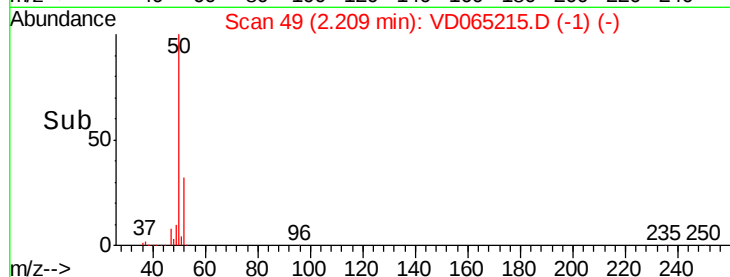
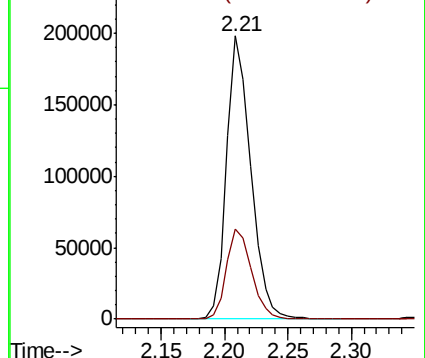
50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.877 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065215.D

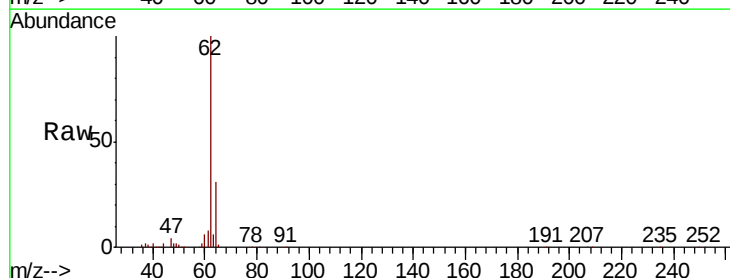
Acq: 18 Feb 2020 11:58

Tgt Ion: 62 Resp: 275820

Ion Ratio Lower Upper

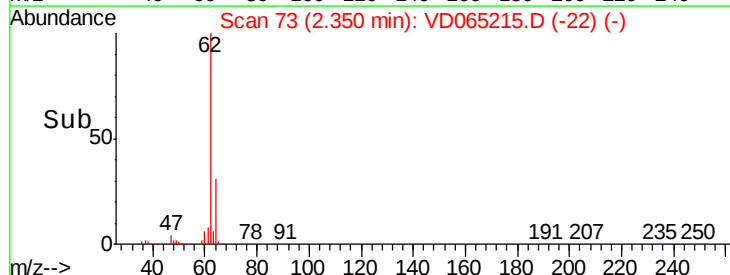
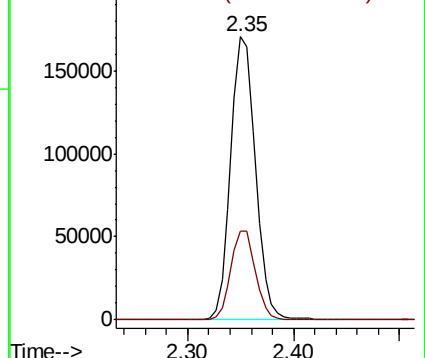
62 100

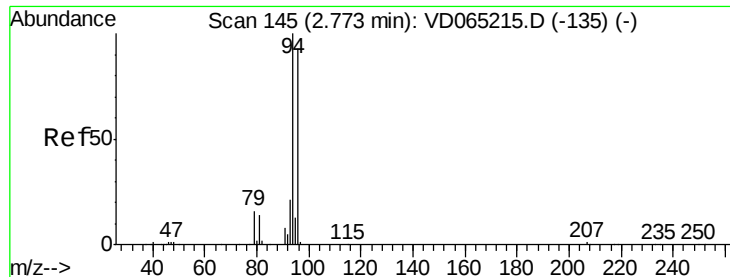
64 31.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.037 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

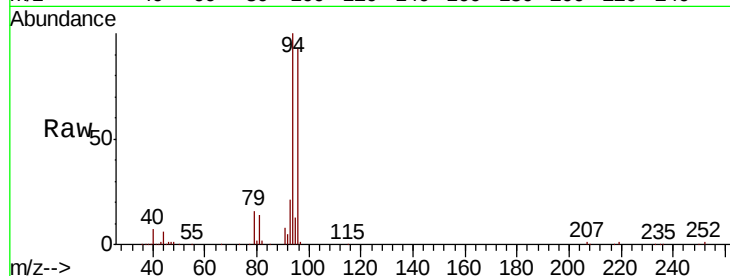
VSTDICCC050

Tot Ion: 94 Resp: 153391

Ion Ratio Lower Upper

94 100

96 92.8 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

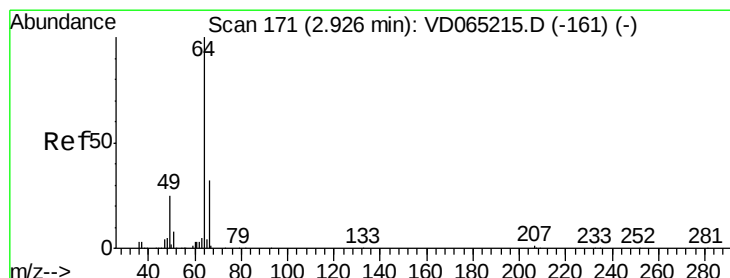
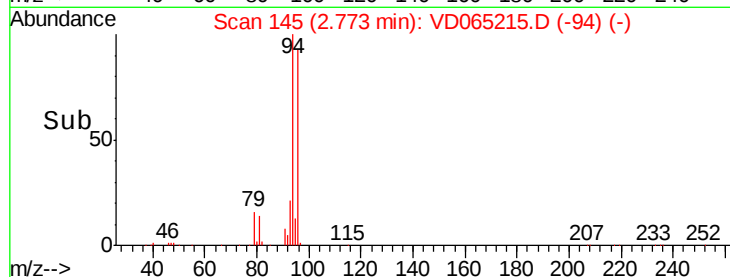
40000

20000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 47.248 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065215.D

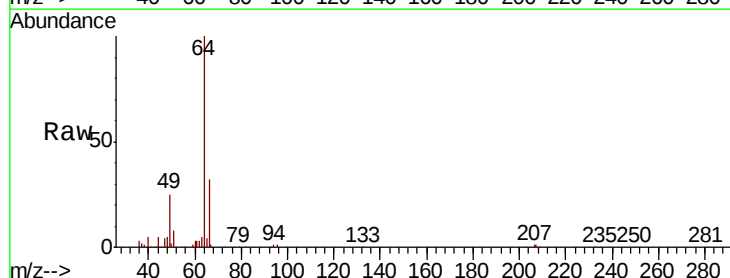
Acq: 18 Feb 2020 11:58

Tgt Ion: 64 Resp: 166148

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

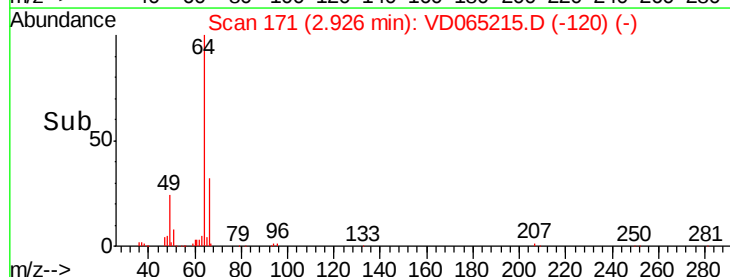
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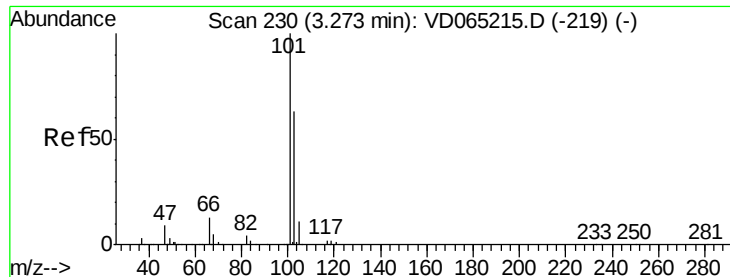
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0

Time-->

2.80 2.90 3.00



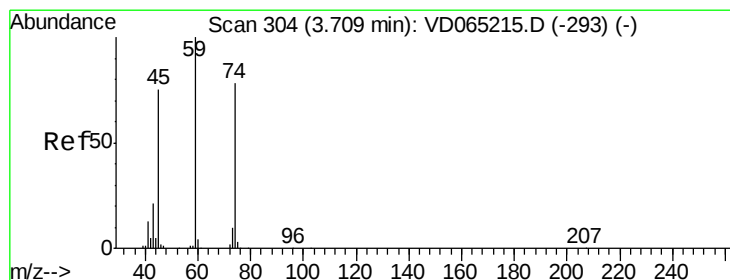
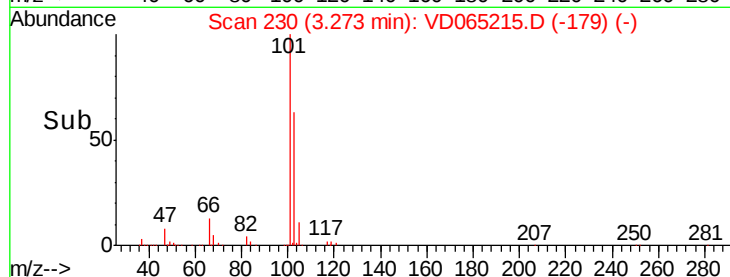
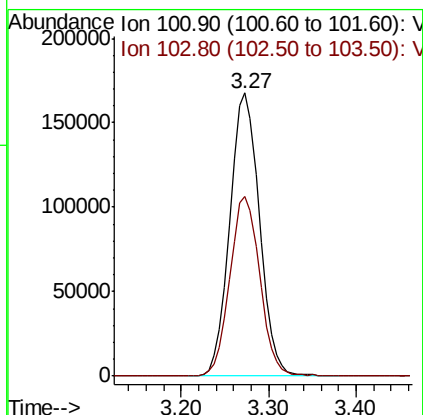
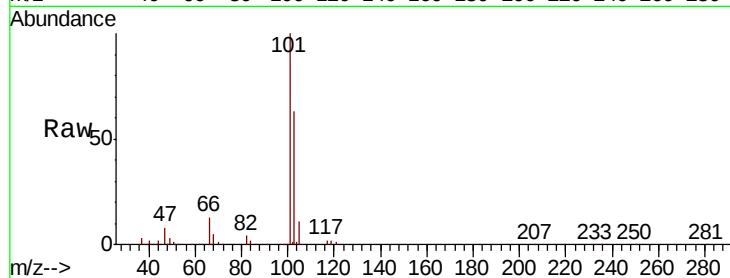


#7

Trichlorofluoromethane
 Concen: 46.870 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

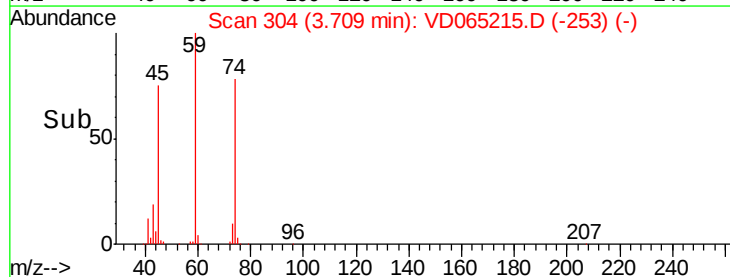
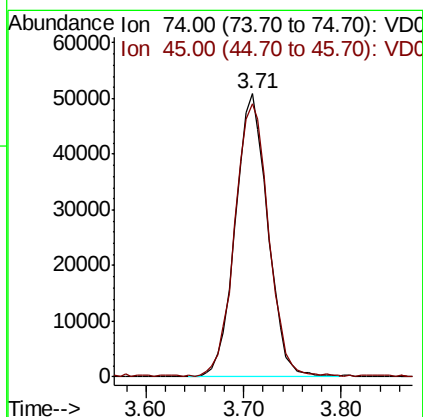
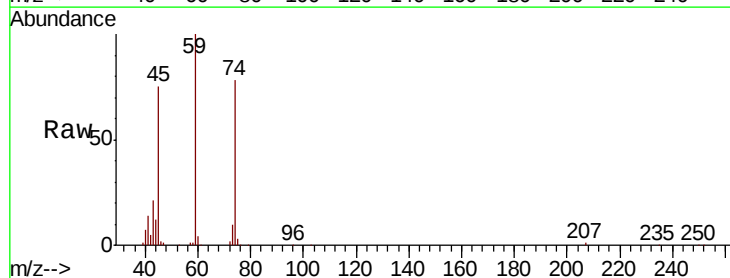
Tot Ion:101 Resp: 386583
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.7 76.1

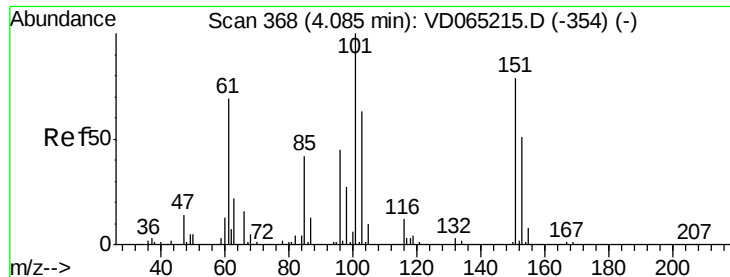


#8

Diethyl Ether
 Concen: 47.128 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion: 74 Resp: 117334
 Ion Ratio Lower Upper
 74 100
 45 99.9 50.0 149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.356 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

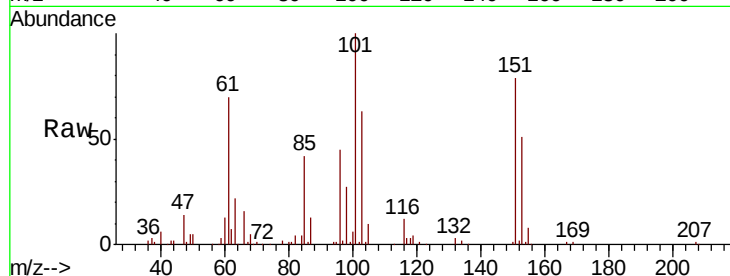
Tot Ion:101 Resp: 241449

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

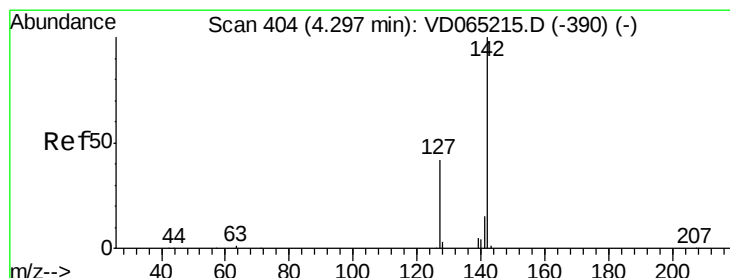
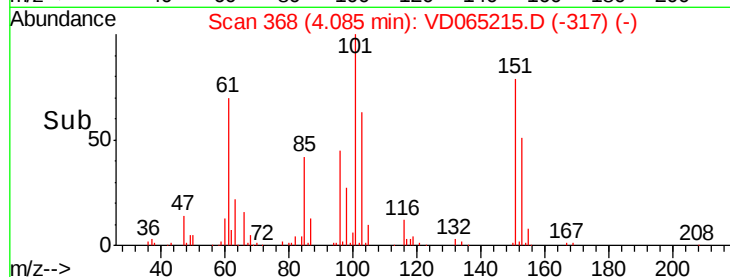
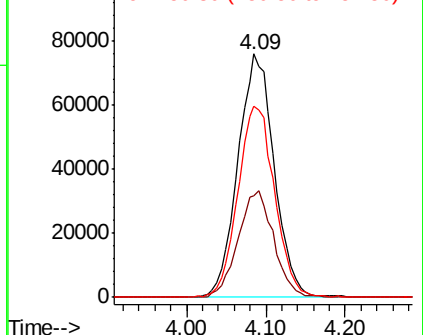
151 79.4 63.5 95.3



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: 53.413 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

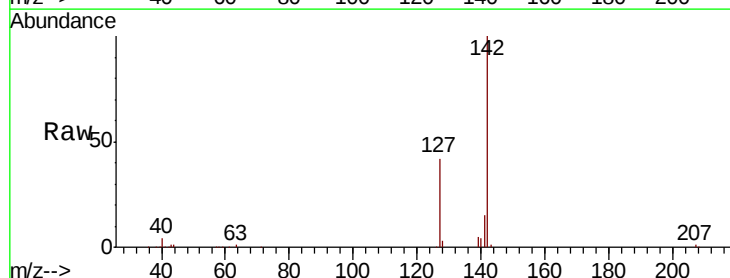
Tgt Ion:142 Resp: 288859

Ion Ratio Lower Upper

142 100

127 42.3 33.8 50.8

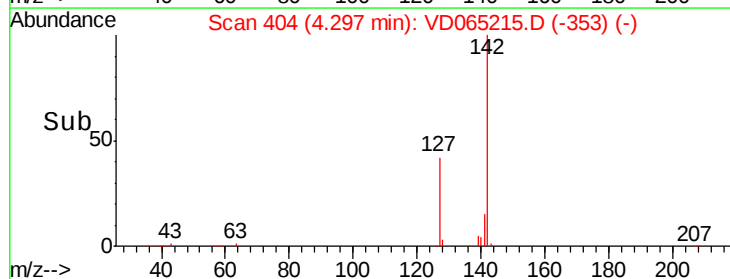
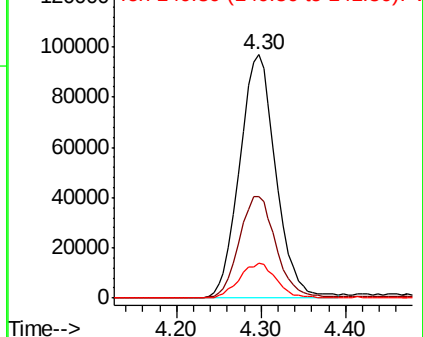
141 14.6 11.7 17.5

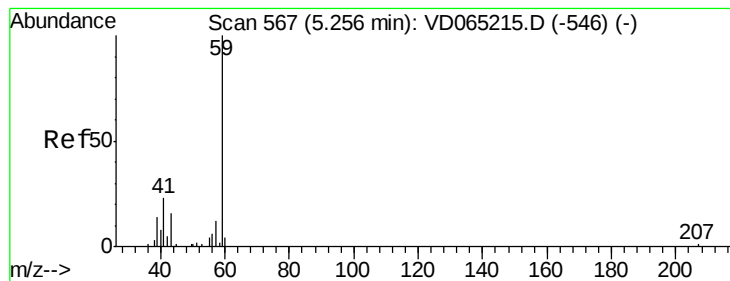


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



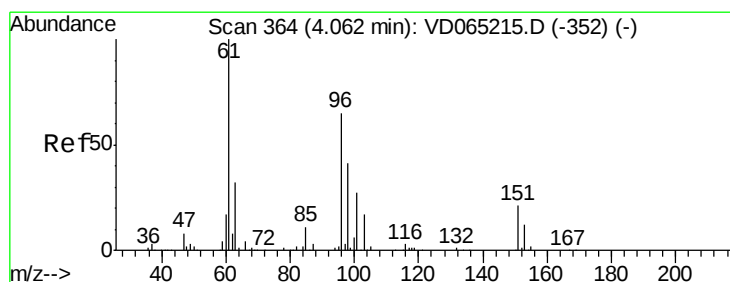
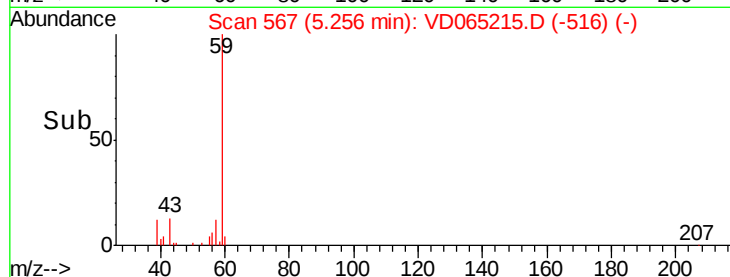
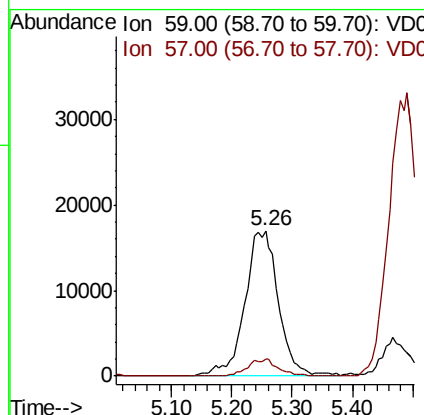
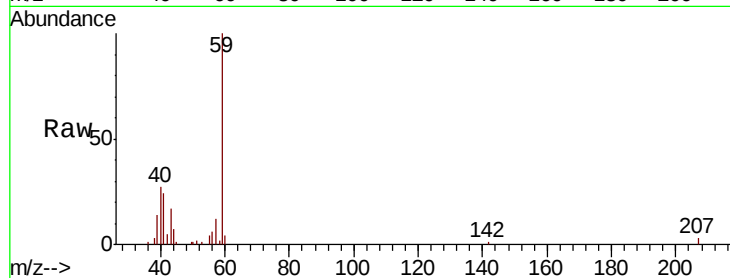


#11

Tert butyl alcohol
 Concen: 229.411 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

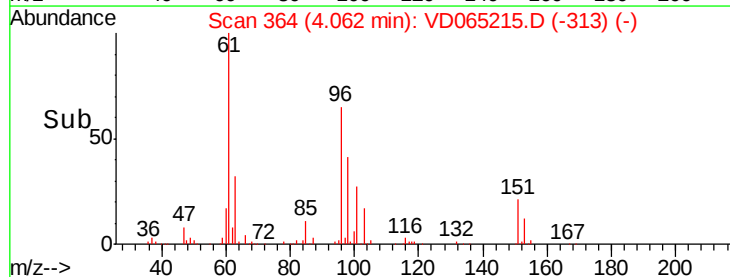
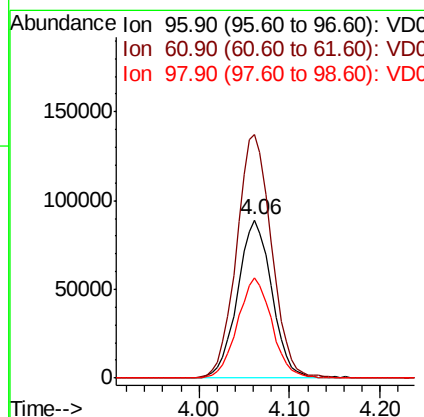
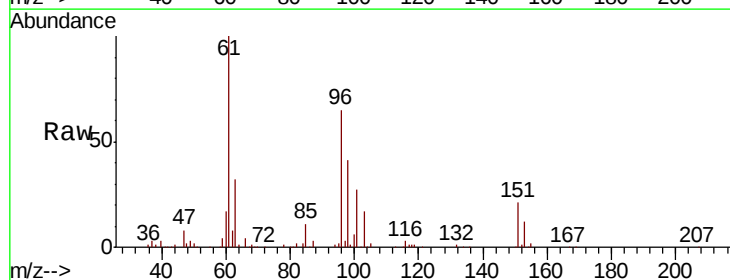
Tot Ion: 59 Resp: 65447
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.4 12.6

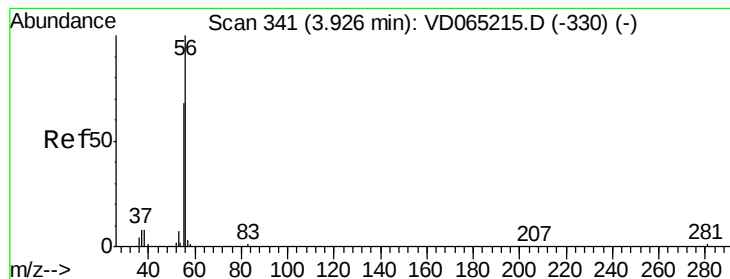


#12

1,1-Dichloroethene
 Concen: 47.623 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion: 96 Resp: 234321
 Ion Ratio Lower Upper
 96 100
 61 154.1 123.3 184.9
 98 63.7 51.0 76.4





#13

Acrolein

Concen: 182.191 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

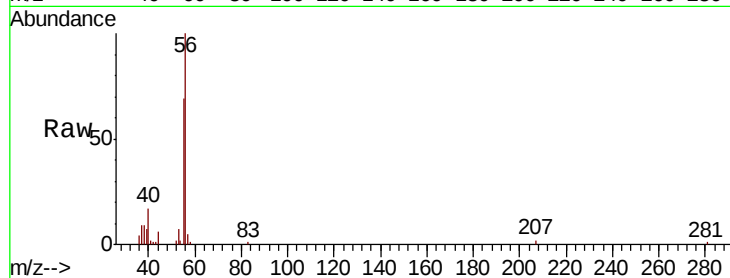
VSTDICCC050

Tot Ion: 56 Resp: 77376

Ion Ratio Lower Upper

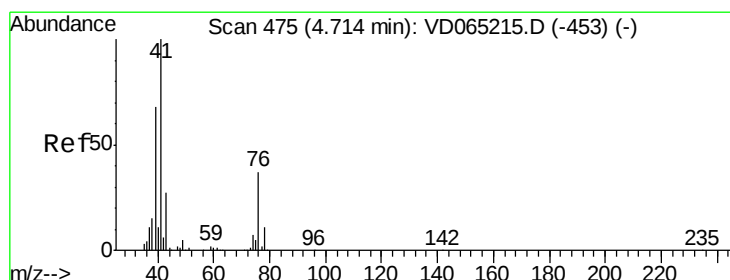
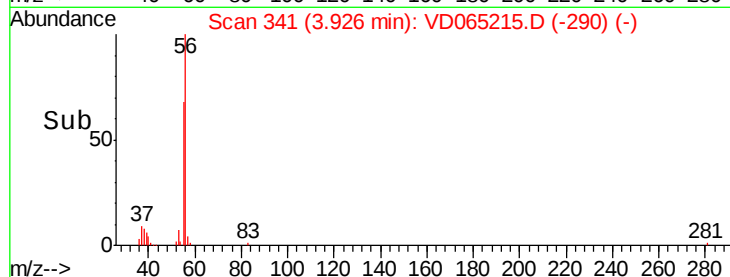
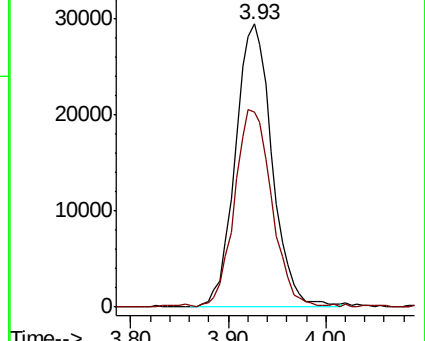
56 100

55 70.8 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.992 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

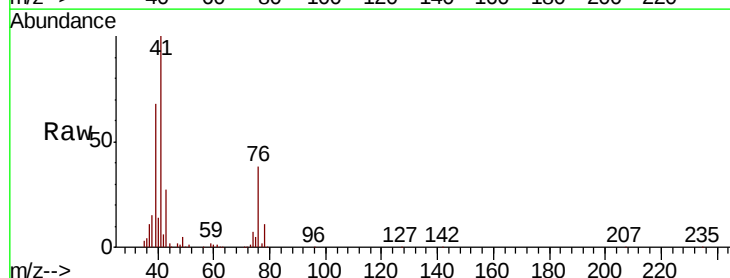
Tgt Ion: 41 Resp: 383460

Ion Ratio Lower Upper

41 100

39 67.2 53.8 80.6

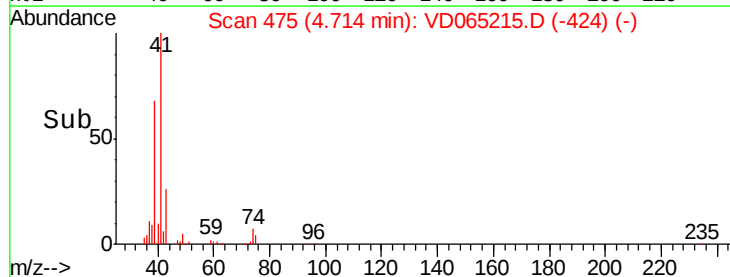
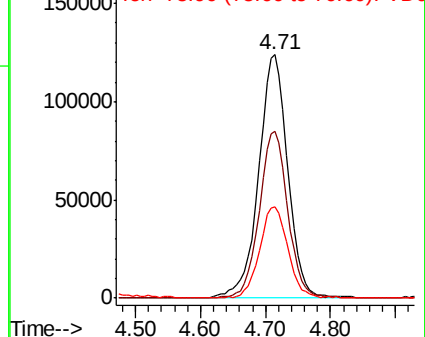
76 35.9 28.7 43.1

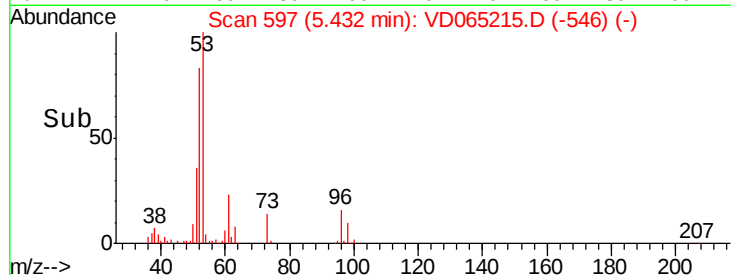
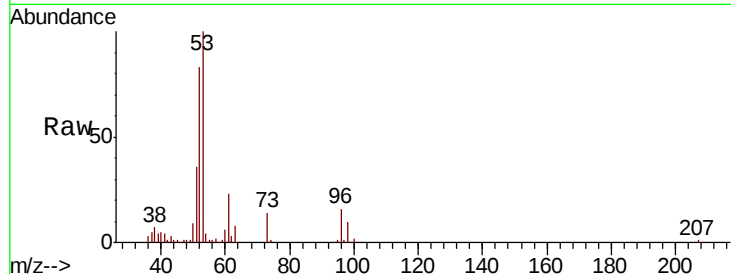
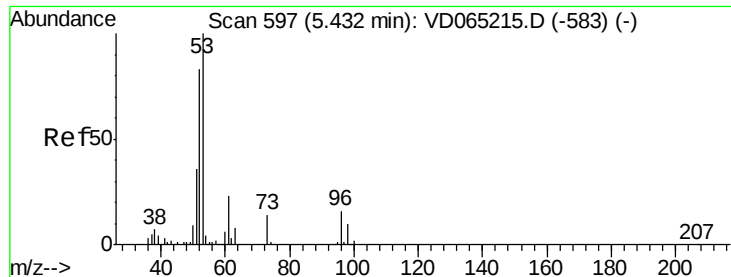


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 242.255 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

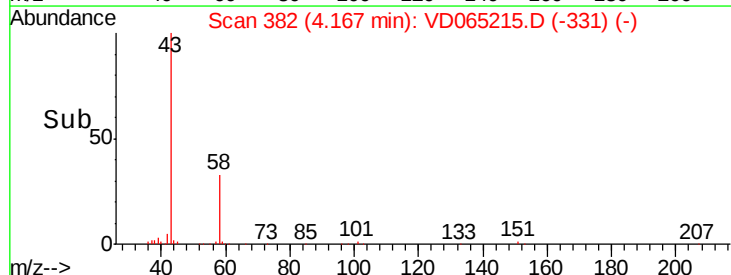
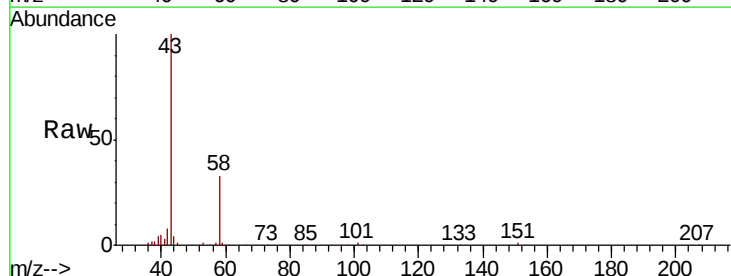
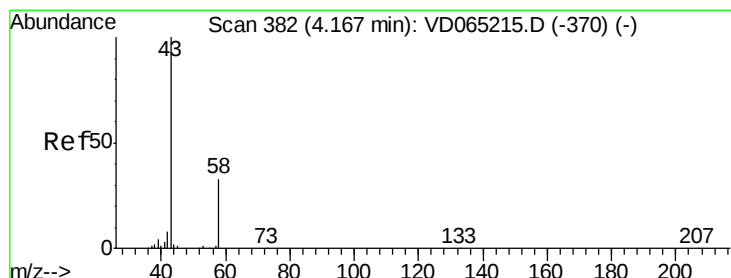
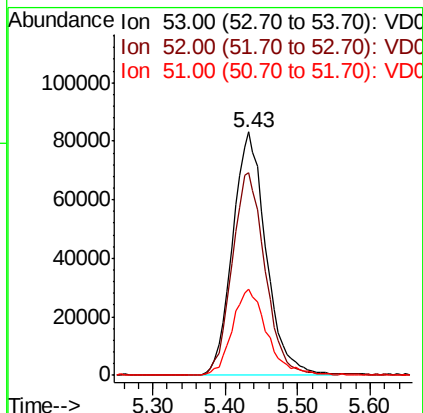
Tot Ion: 53 Resp: 267028

Ion Ratio Lower Upper

53 100

52 81.8 65.4 98.2

51 36.9 29.5 44.3



#16

Acetone

Concen: 263.206 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065215.D

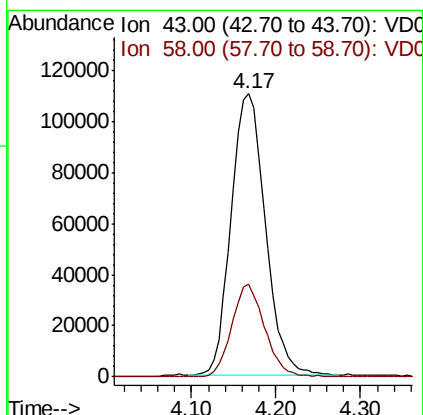
Acq: 18 Feb 2020 11:58

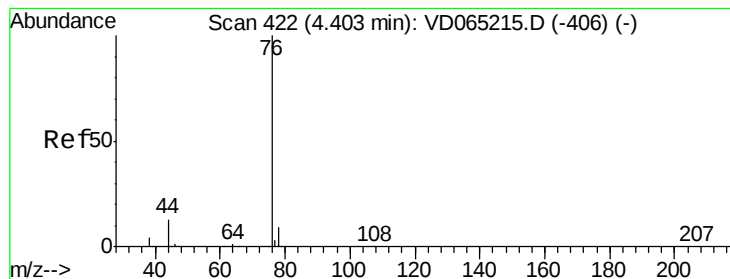
Tgt Ion: 43 Resp: 307169

Ion Ratio Lower Upper

43 100

58 32.7 26.2 39.2





#17

Carbon Disulfide

Concen: 47.229 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

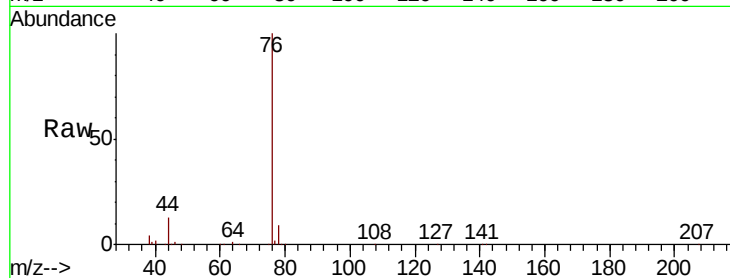
VSTDICCC050

Tot Ion: 76 Resp: 779088

Ion Ratio Lower Upper

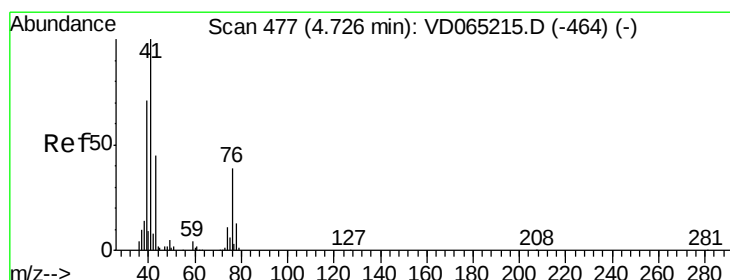
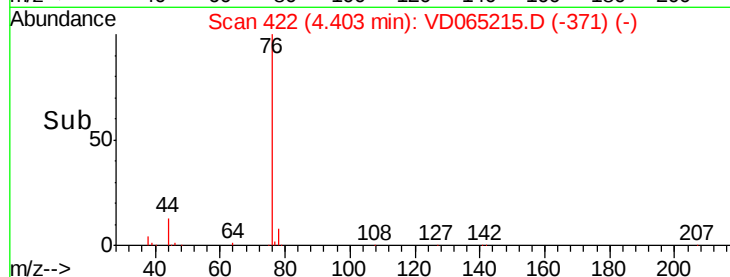
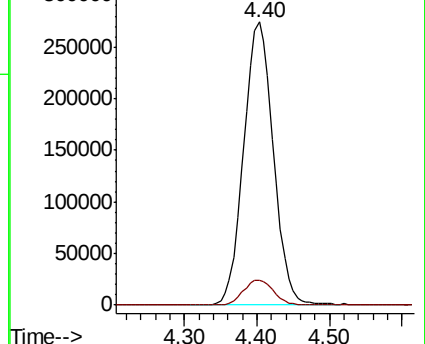
76 100

78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 46.791 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065215.D

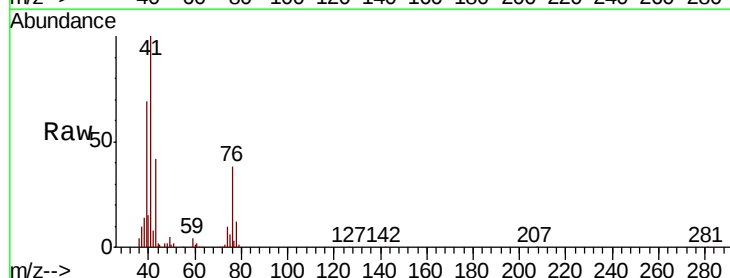
Acq: 18 Feb 2020 11:58

Tgt Ion: 43 Resp: 122815

Ion Ratio Lower Upper

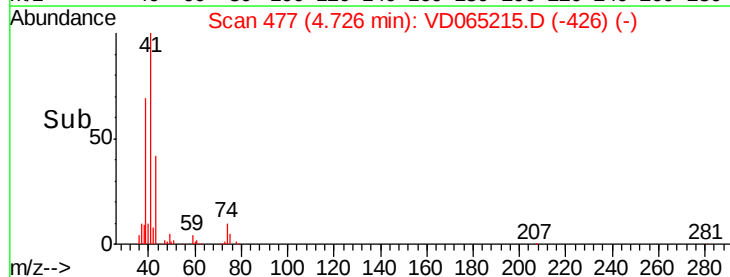
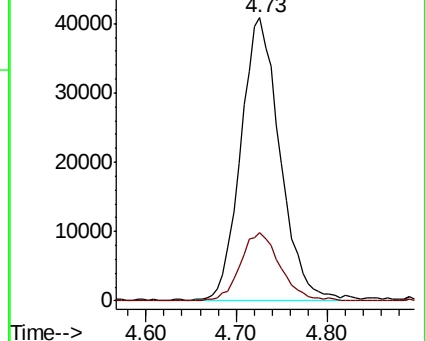
43 100

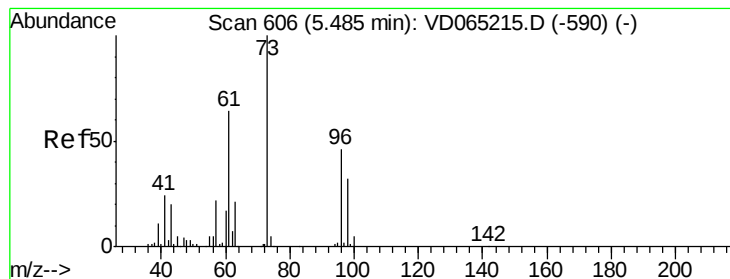
74 24.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



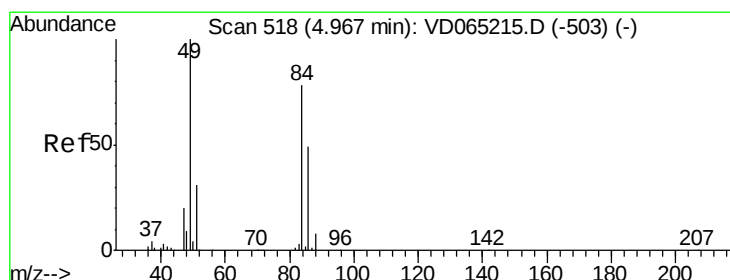
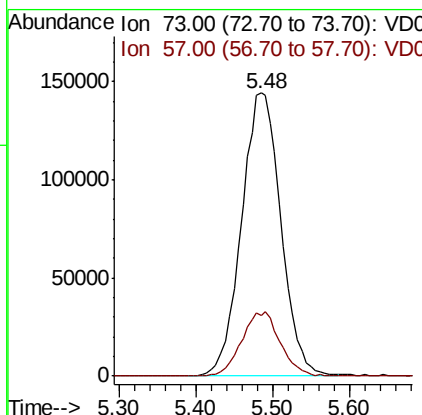
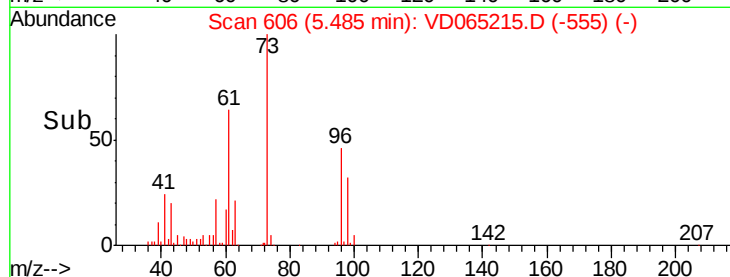
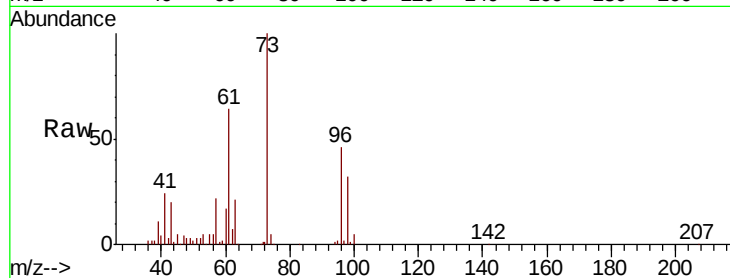


#19

Methyl tert-butyl Ether
 Concen: 50.171 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

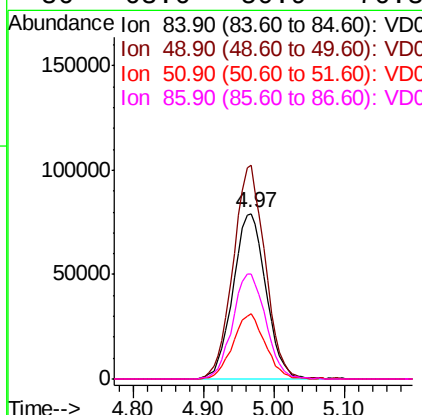
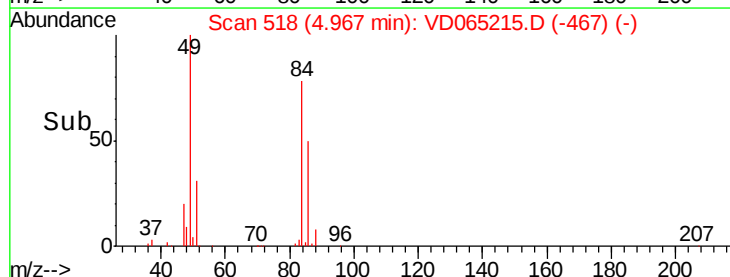
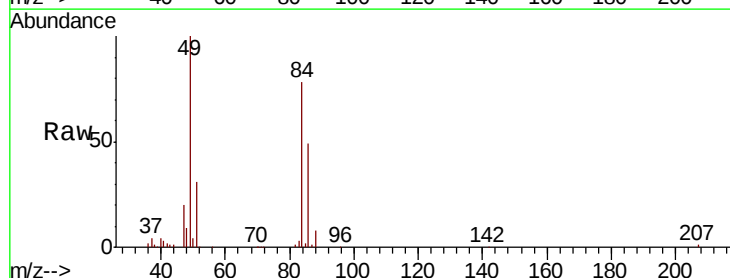
Tot Ion: 73 Resp: 514780
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.3 25.9

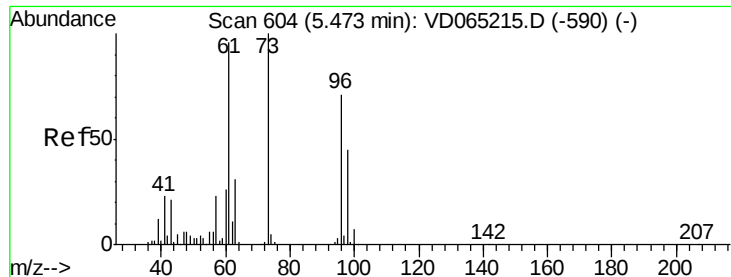


#20

Methylene Chloride
 Concen: 43.340 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion: 84 Resp: 256753
 Ion Ratio Lower Upper
 84 100
 49 128.9 103.1 154.7
 51 39.6 31.7 47.5
 86 63.6 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 47.495 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

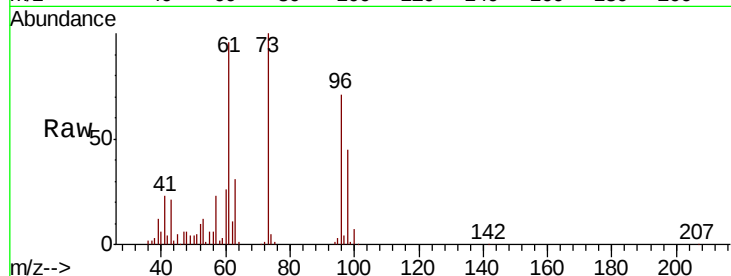
Tot Ion: 96 Resp: 265659

Ion Ratio Lower Upper

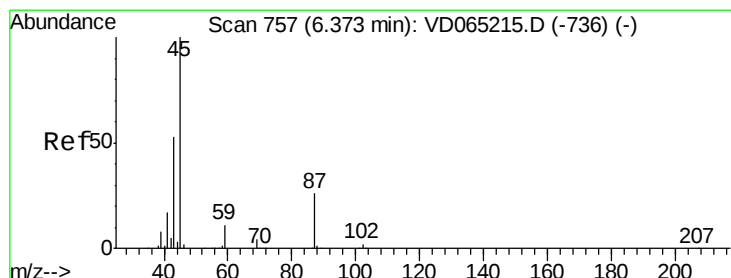
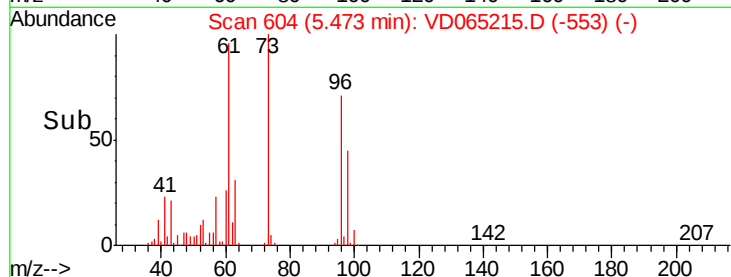
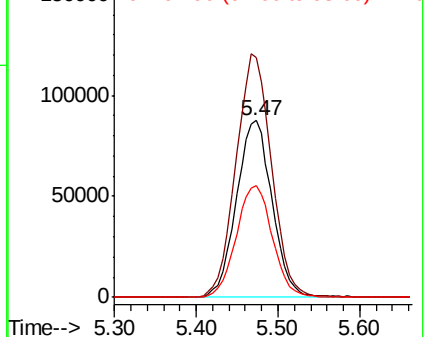
96 100

61 135.4 108.3 162.5

98 63.4 50.7 76.1



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: 49.813 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion: 45 Resp: 767271

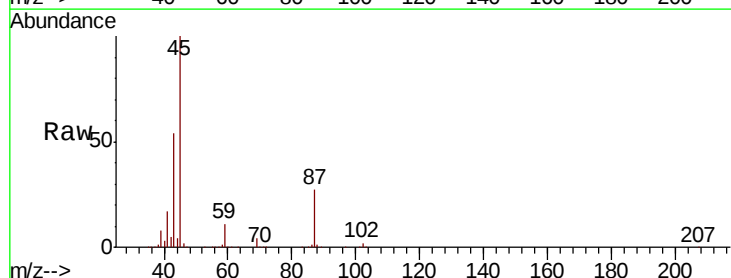
Ion Ratio Lower Upper

45 100

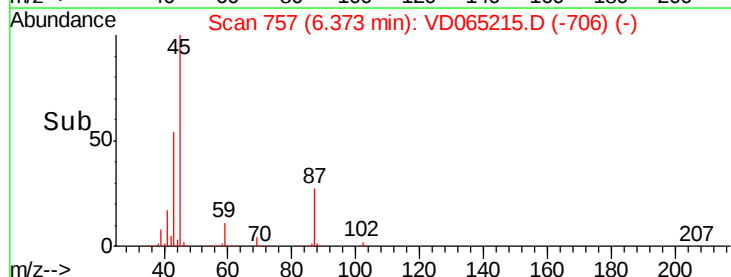
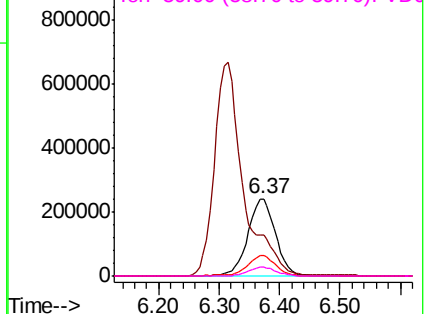
43 53.3 42.6 64.0

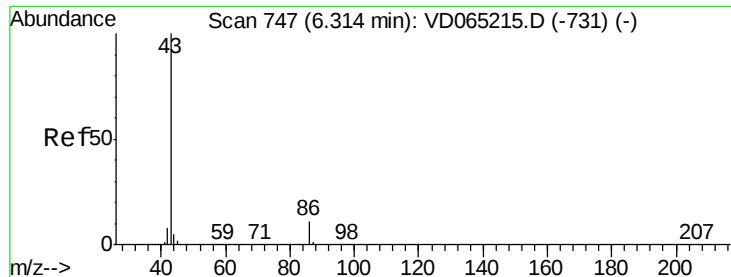
87 26.5 21.2 31.8

59 11.1 8.9 13.3



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: 261.751 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

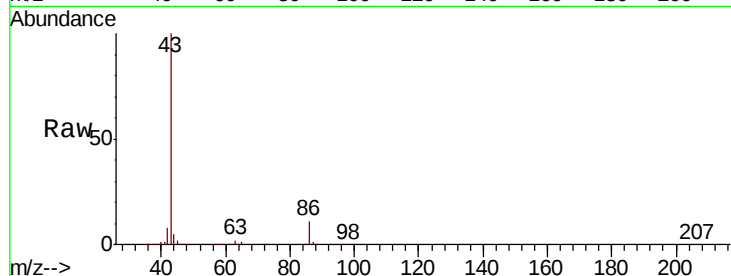
VSTDICCC050

Tot Ion: 43 Resp: 2222696

Ion Ratio Lower Upper

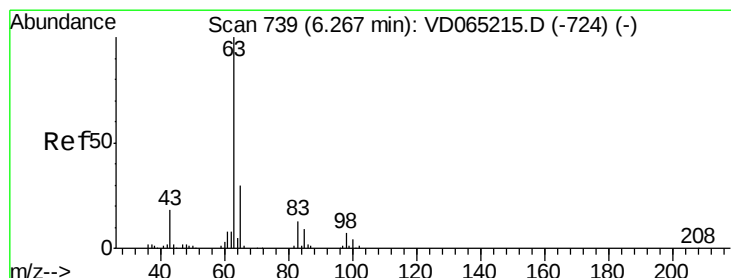
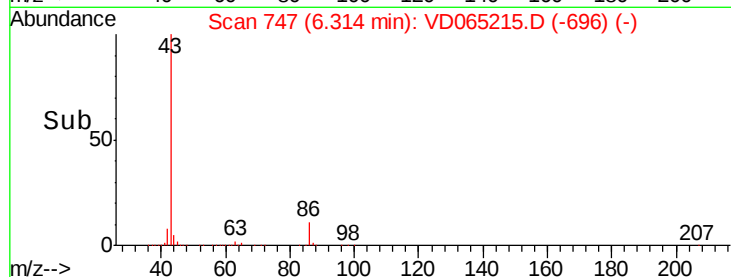
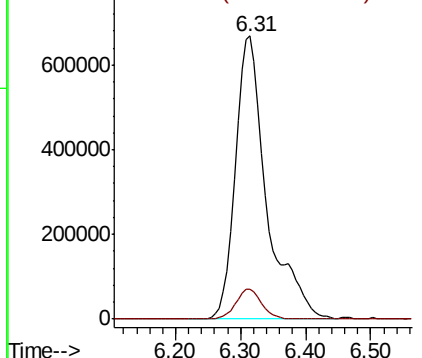
43 100

86 10.7 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.985 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

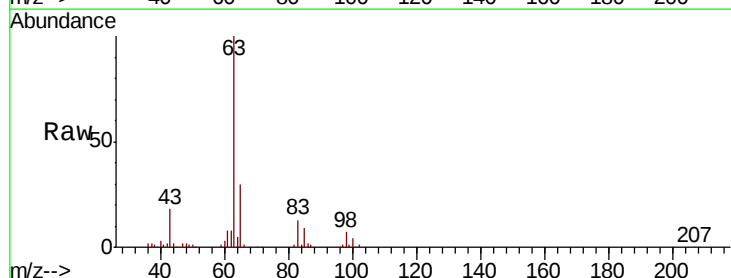
Tgt Ion: 63 Resp: 448888

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

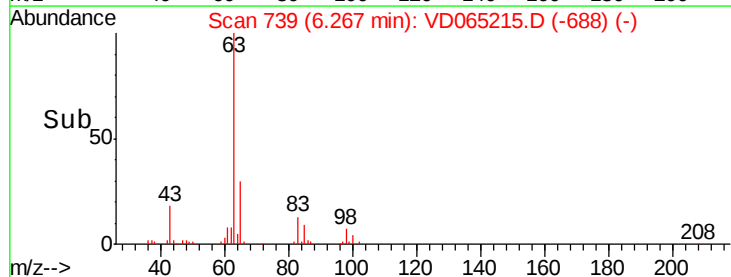
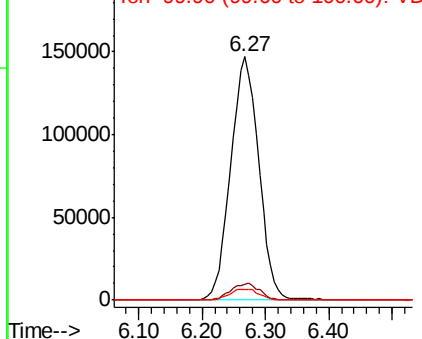
100 4.5 2.3 6.8



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: 256.374 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

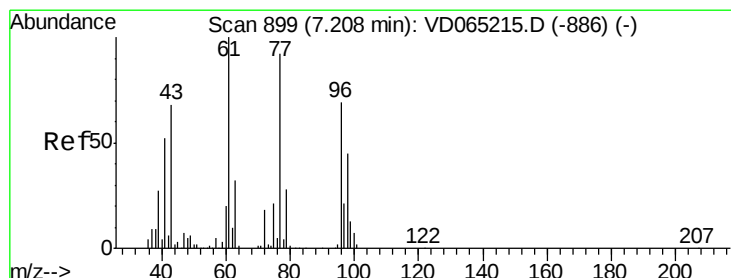
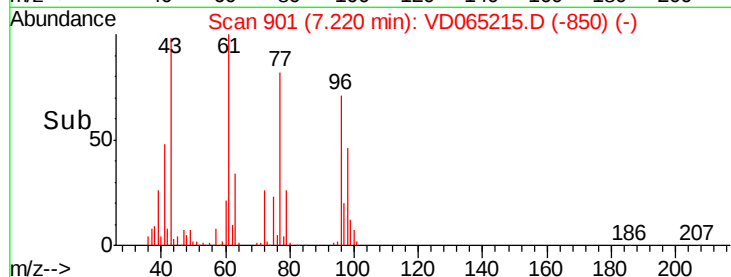
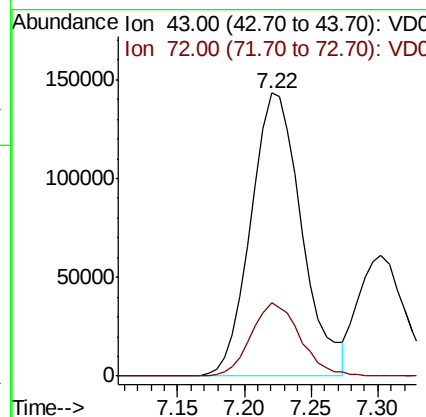
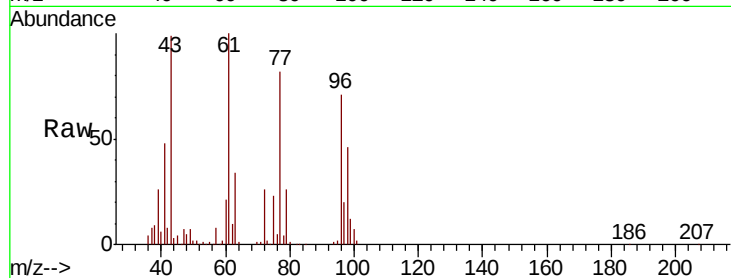
VSTDICCC050

Tot Ion: 43 Resp: 378548

Ion Ratio Lower Upper

43 100

72 26.1 20.9 31.3



#26

2,2-Dichloropropane

Concen: 46.058 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065215.D

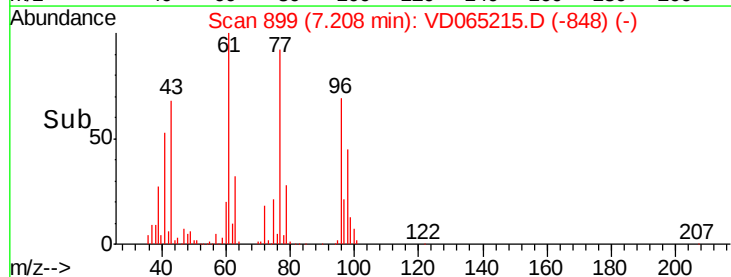
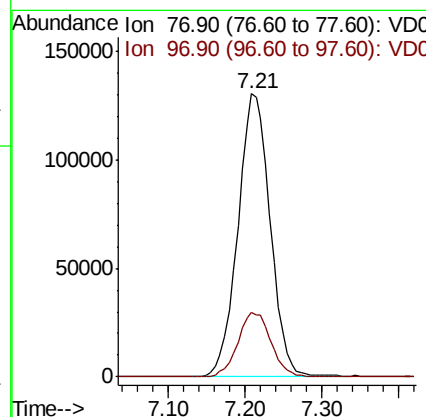
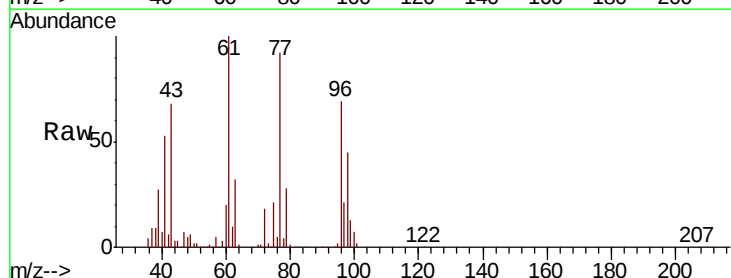
Acq: 18 Feb 2020 11:58

Tgt Ion: 77 Resp: 381794

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1

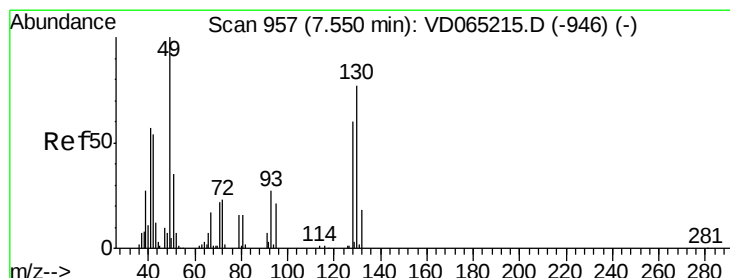
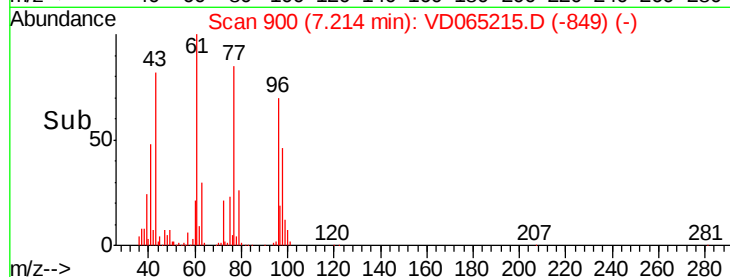
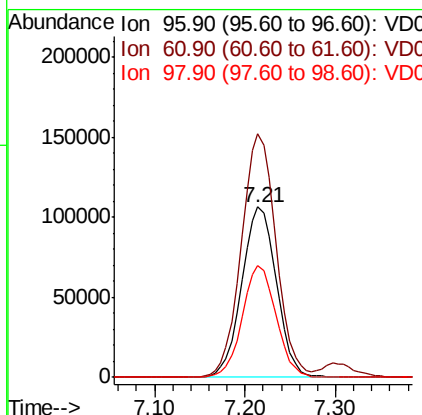
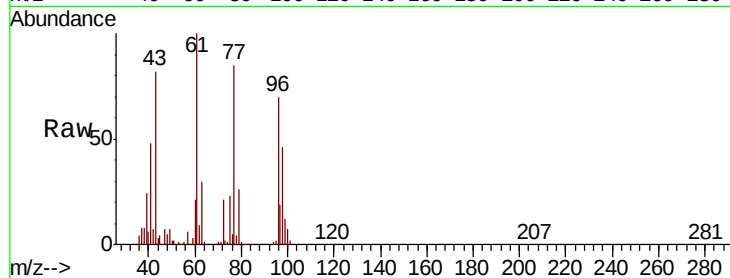




#27
 cis-1,2-Dichloroethene
 Concen: 47.774 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

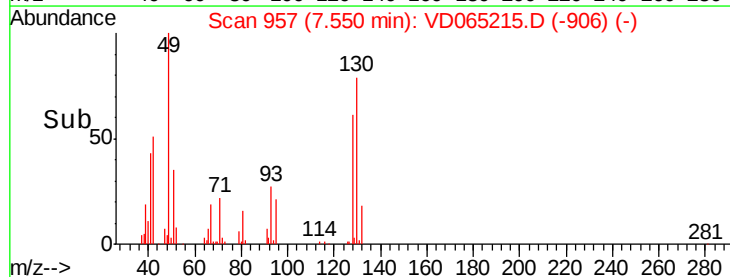
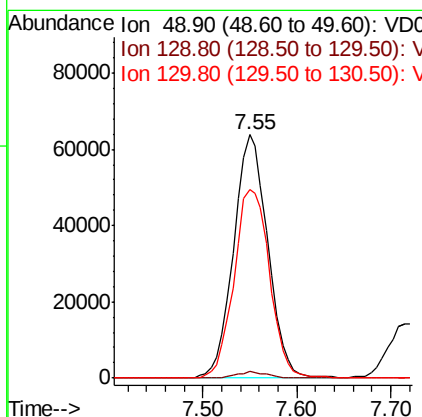
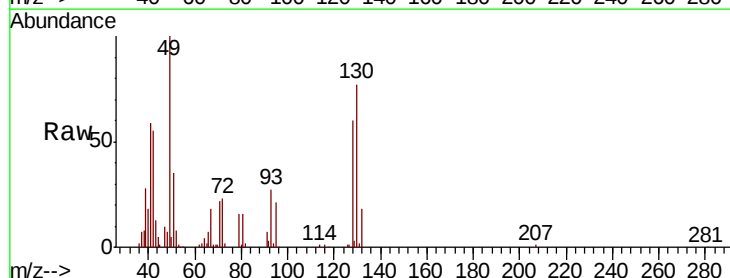
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

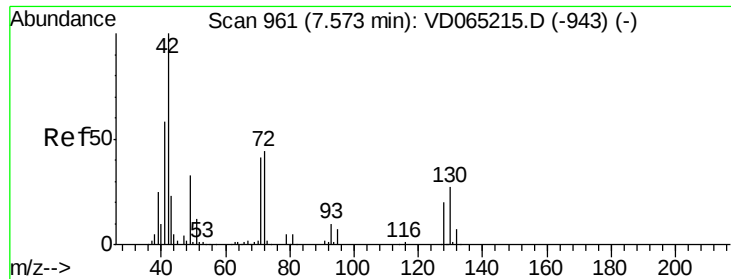
Tot Ion: 96 Resp: 283052
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 286.0
 98 63.9 0.0 127.8



#28
 Bromochloromethane
 Concen: 45.276 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion: 49 Resp: 160480
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.6
 130 80.9 64.7 97.1

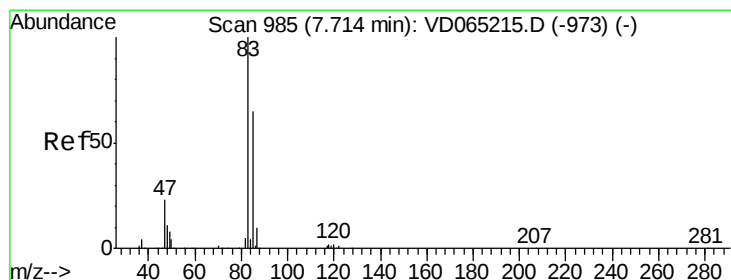
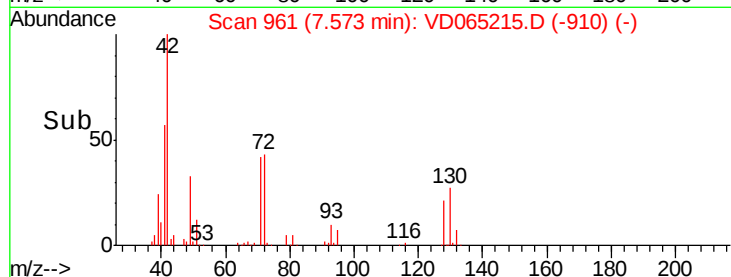
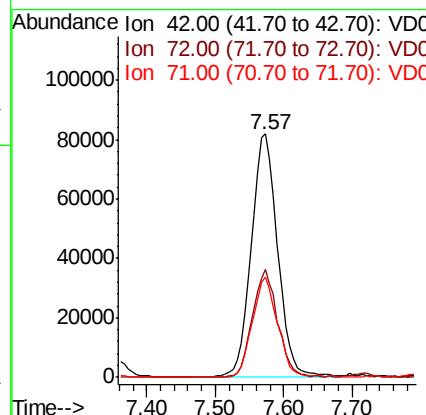
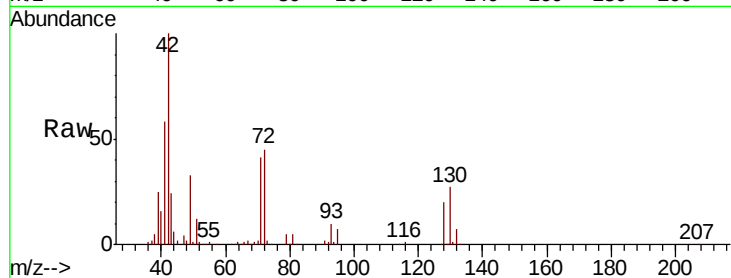




#29
Tetrahydrofuran
Concen: 255.412 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

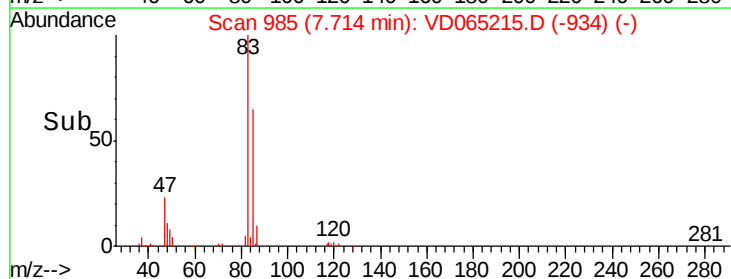
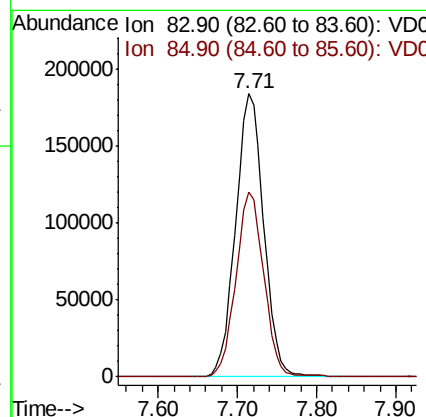
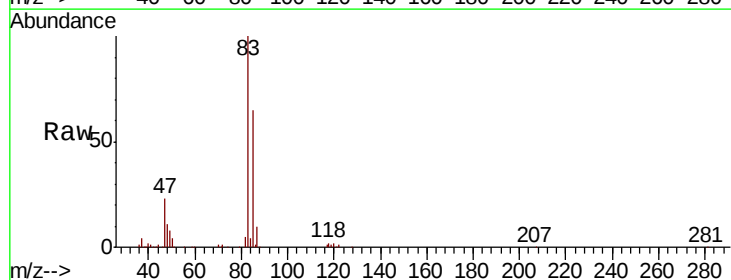
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

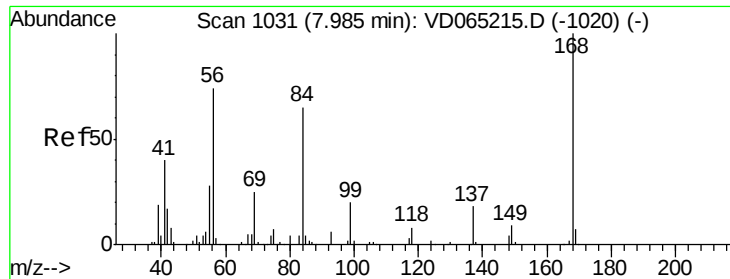
Tot Ion: 42 Resp: 220968
Ion Ratio Lower Upper
42 100
72 42.1 33.7 50.5
71 39.3 31.4 47.2



#30
Chloroform
Concen: 46.952 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 83 Resp: 451931
Ion Ratio Lower Upper
83 100
85 65.4 52.3 78.5

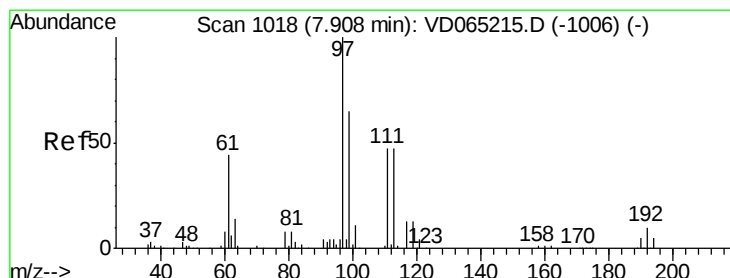
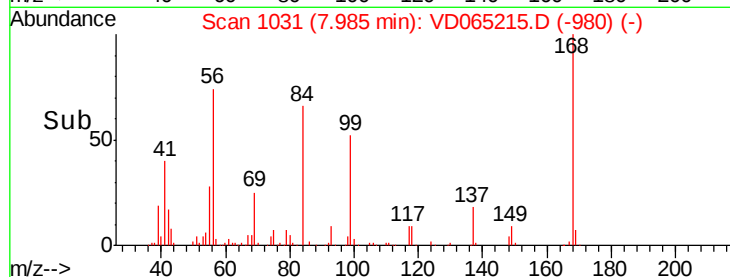
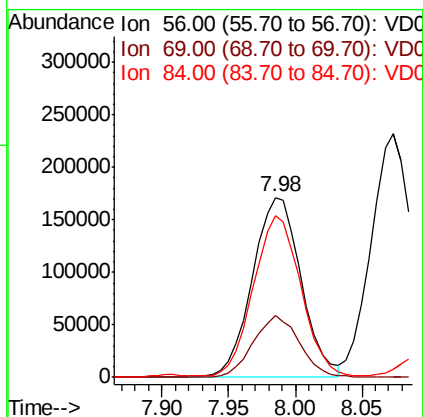
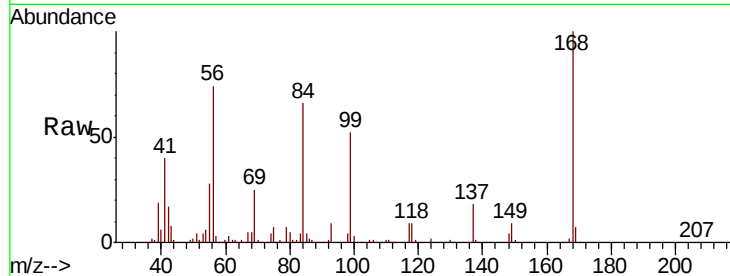




#31
Cyclohexane
Concen: 46.219 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

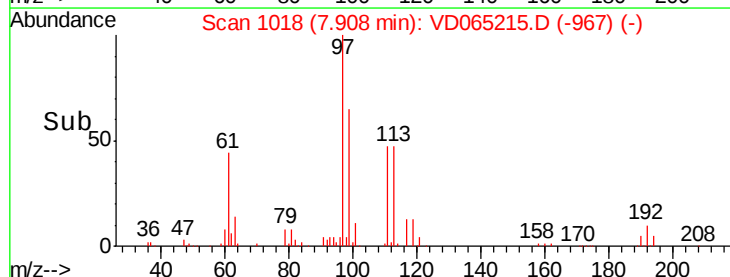
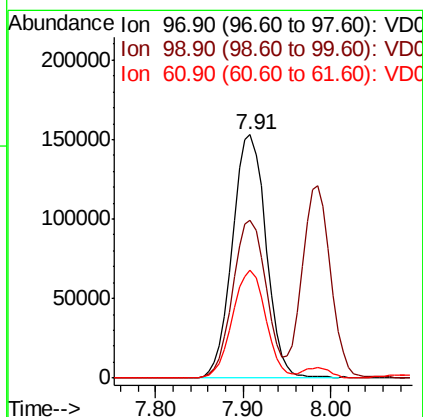
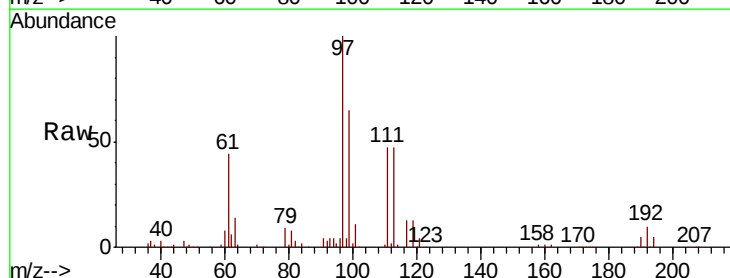
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

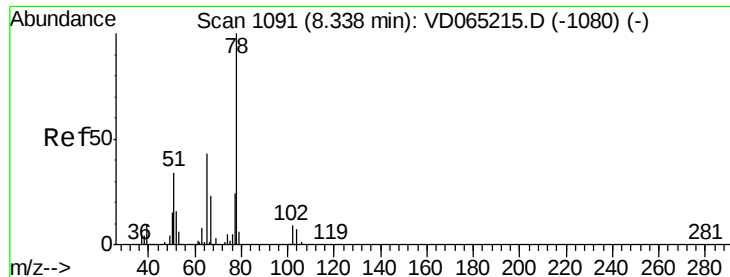
Tot Ion: 56 Resp: 433862
Ion Ratio Lower Upper
56 100
69 34.2 27.4 41.0
84 88.9 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 46.424 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 97 Resp: 399796
Ion Ratio Lower Upper
97 100
99 64.3 51.4 77.2
61 43.5 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 49.168 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

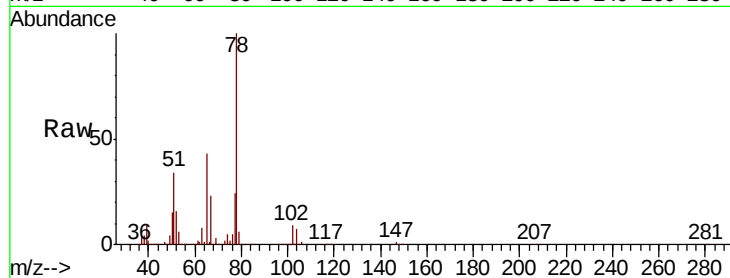
VSTDICCC050

Tot Ion: 65 Resp: 234735

Ion Ratio Lower Upper

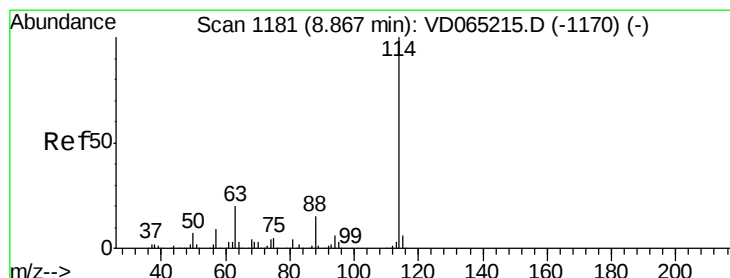
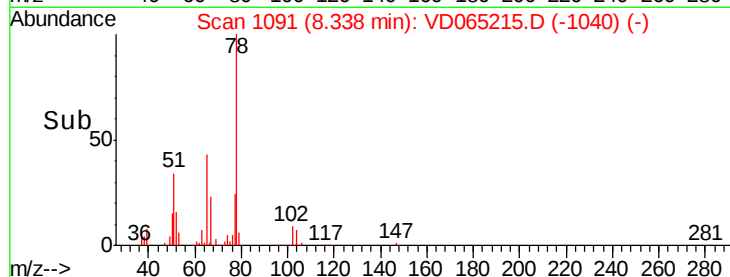
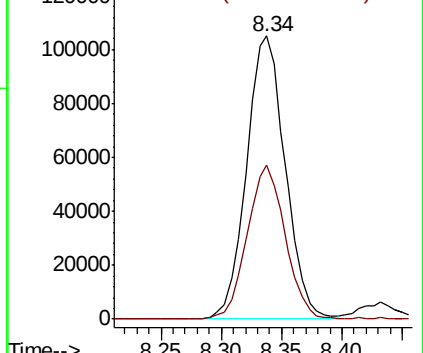
65 100

67 53.4 0.0 106.8



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: VD065215.D

Acq: 18 Feb 2020 11:58

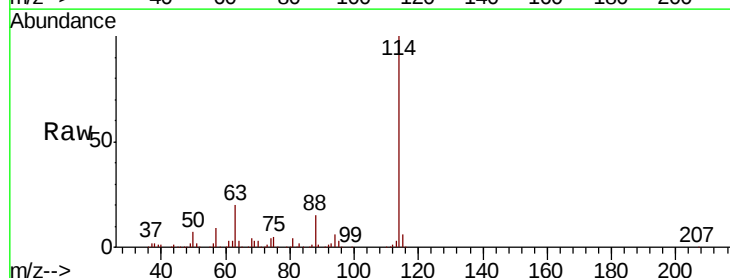
Tgt Ion: 114 Resp: 790934

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

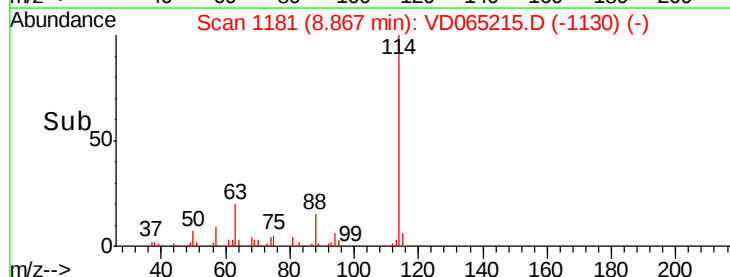
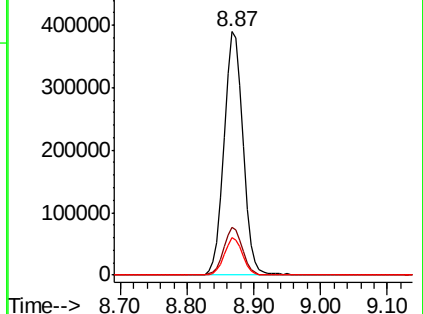
88 15.2 0.0 30.4

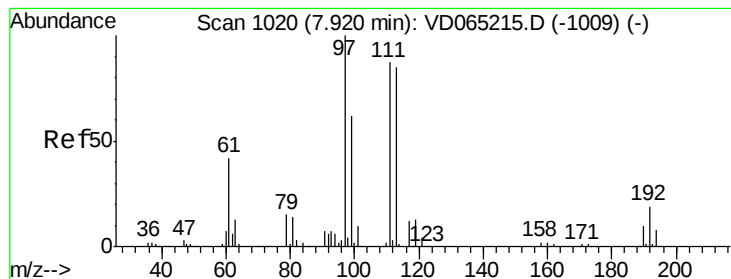


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.227 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

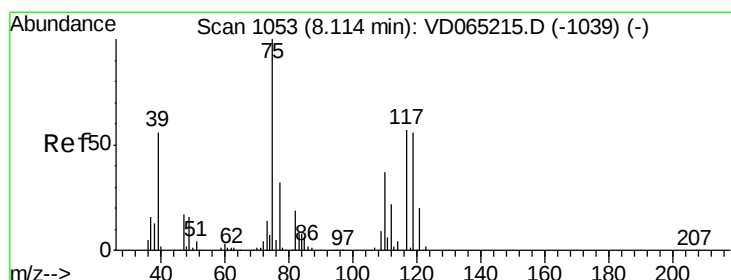
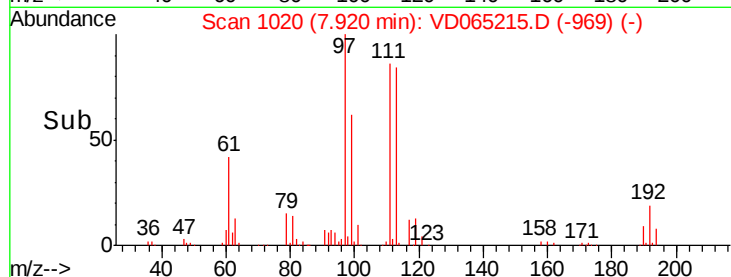
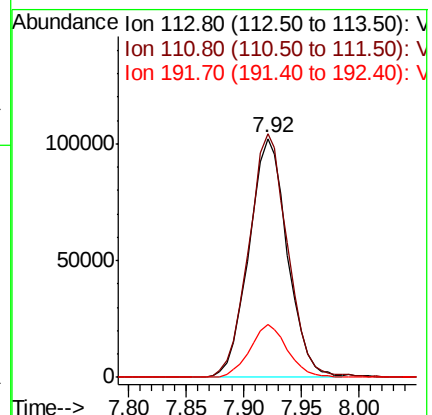
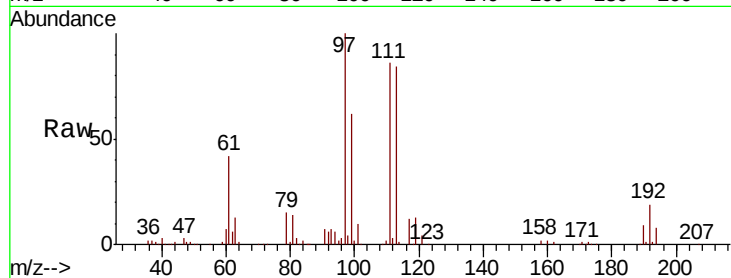
Tot Ion:113 Resp: 237405

Ion Ratio Lower Upper

113 100

111 103.6 82.9 124.3

192 21.6 17.3 25.9



#36

1,1-Dichloropropene

Concen: 47.153 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

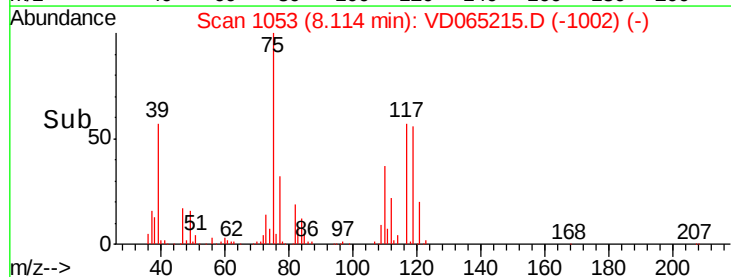
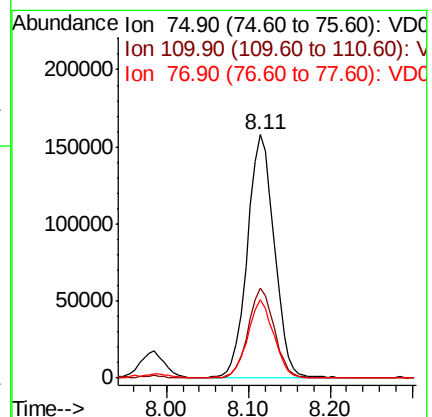
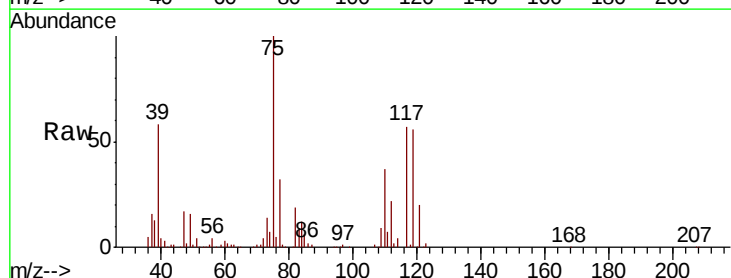
Tgt Ion: 75 Resp: 362884

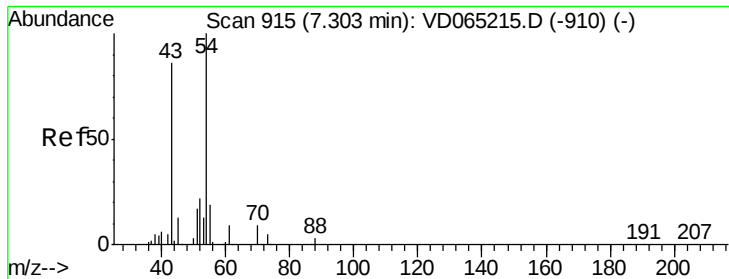
Ion Ratio Lower Upper

75 100

110 35.8 17.9 53.7

77 31.4 25.1 37.7

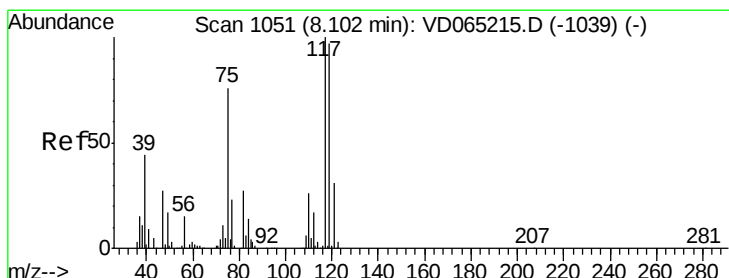
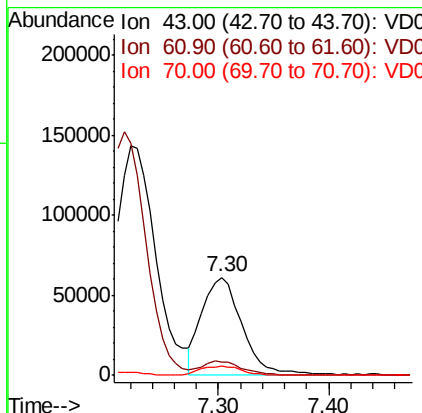
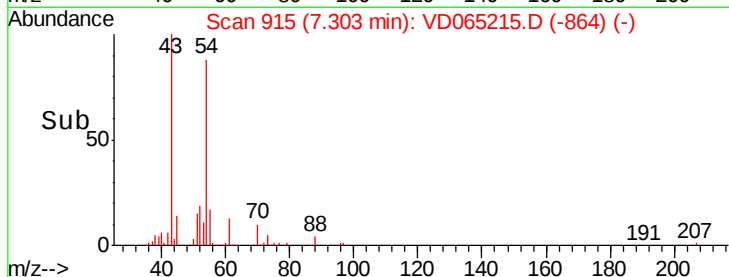
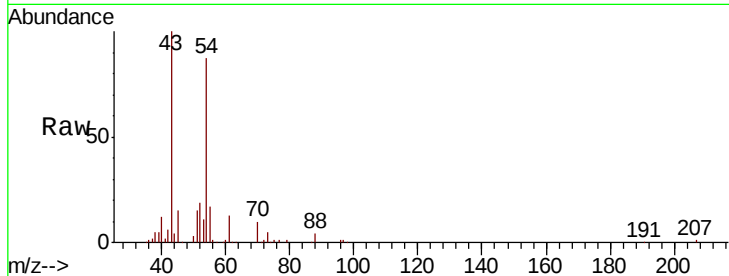




#37
Ethyl Acetate
Concen: 46.909 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

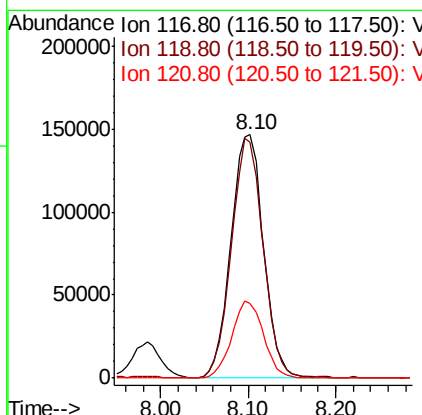
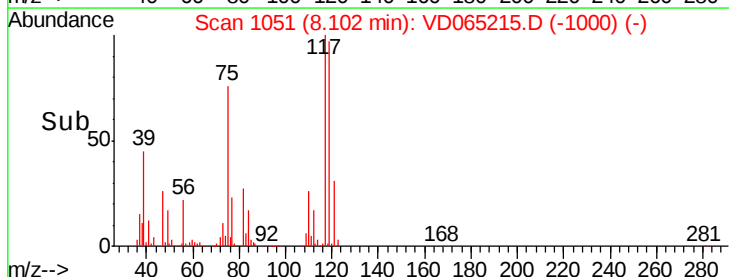
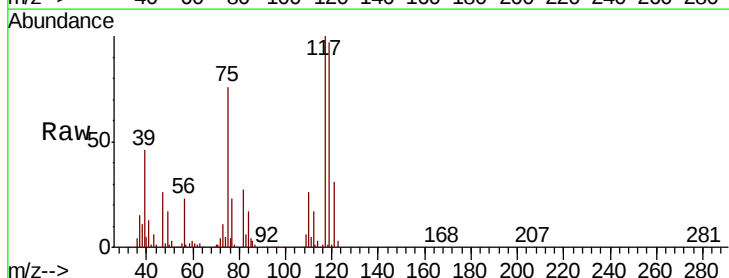
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

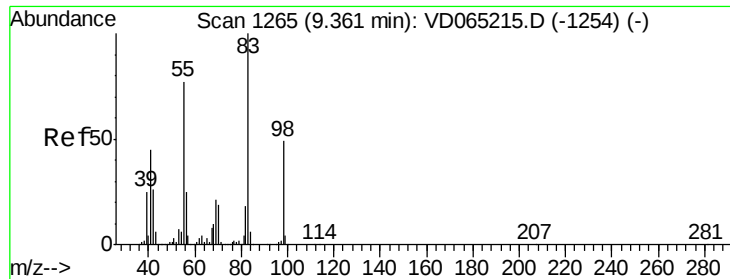
Tot Ion: 43 Resp: 150917
Ion Ratio Lower Upper
43 100
61 14.0 11.2 16.8
70 10.2 8.2 12.2



#38
Carbon Tetrachloride
Concen: 46.792 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 117 Resp: 366582
Ion Ratio Lower Upper
117 100
119 97.0 77.6 116.4
121 31.0 24.8 37.2

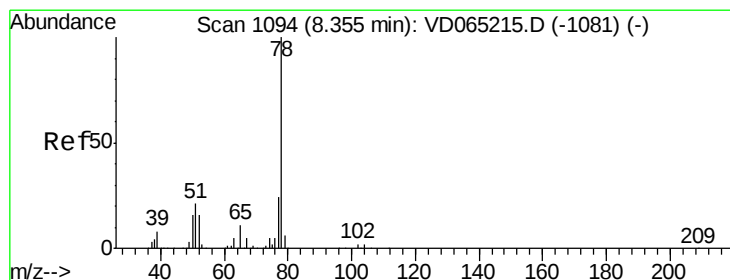
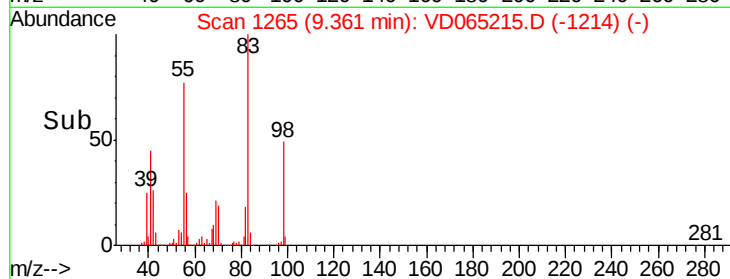
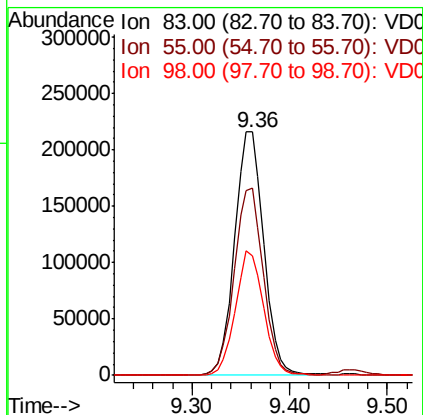
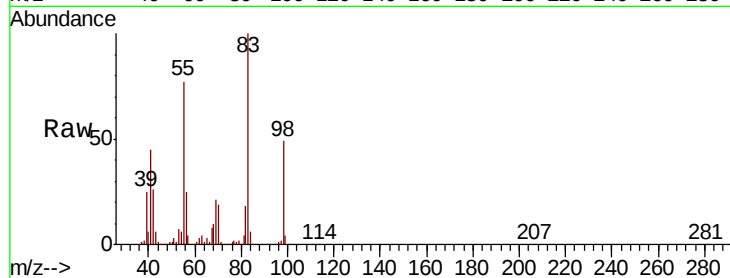




#39
Methylvlcyclohexane
Concen: 49.456 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

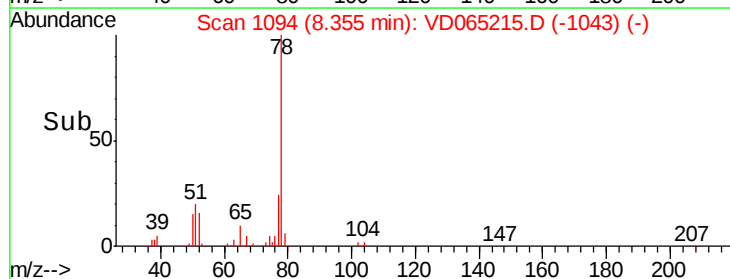
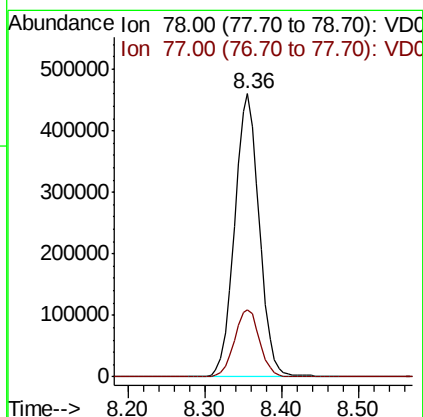
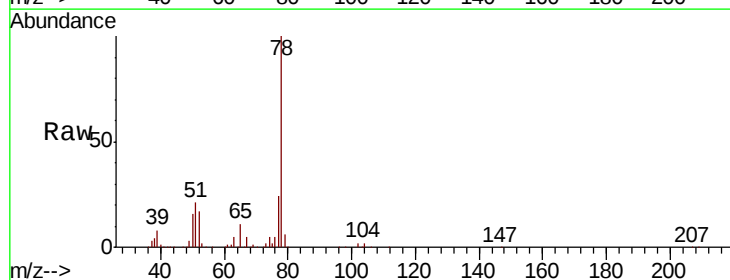
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

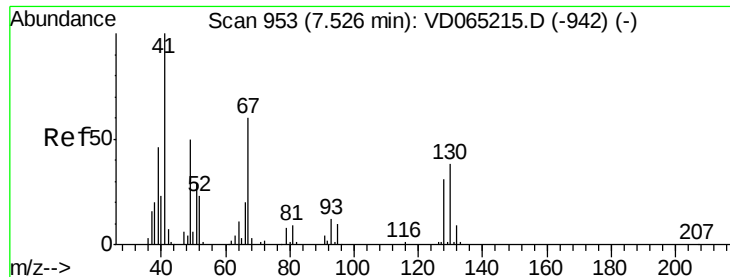
Tot Ion: 83 Resp: 447456
Ion Ratio Lower Upper
83 100
55 77.2 61.8 92.6
98 49.2 39.4 59.0



#40
Benzene
Concen: 47.436 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 78 Resp: 1030423
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

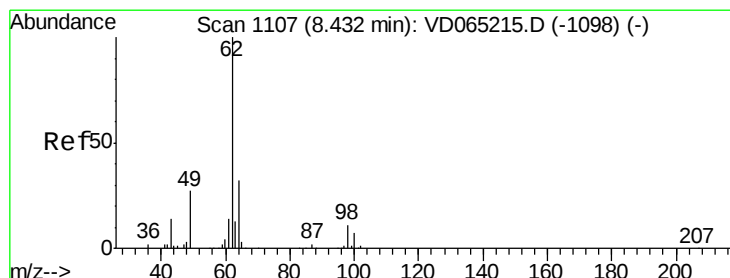
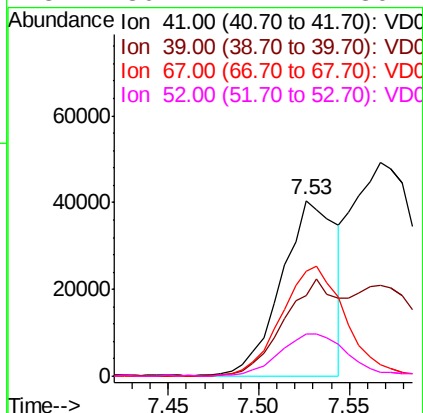
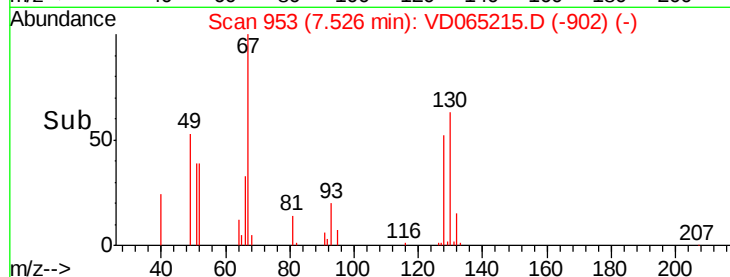
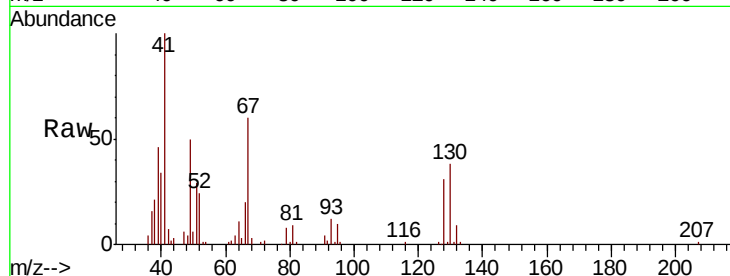




#41
Methacrylonitrile
Concen: 46.200 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

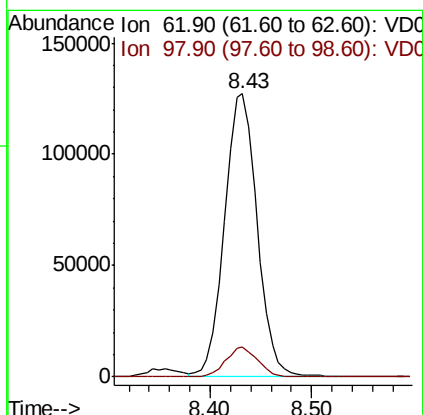
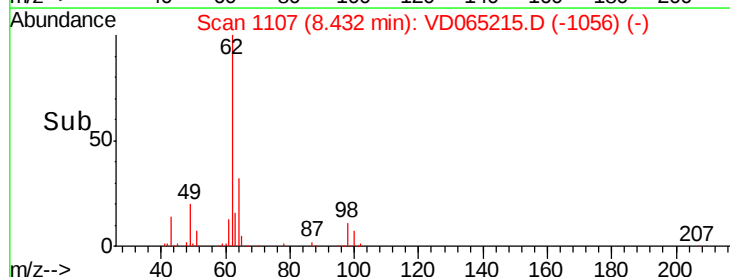
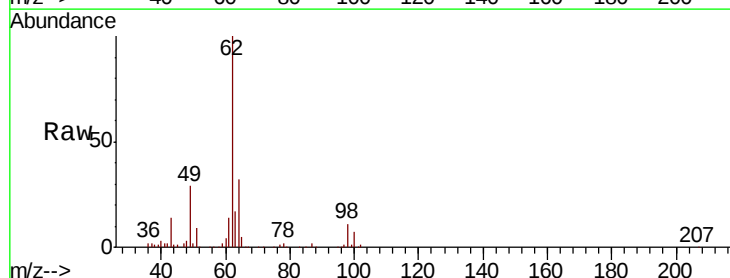
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

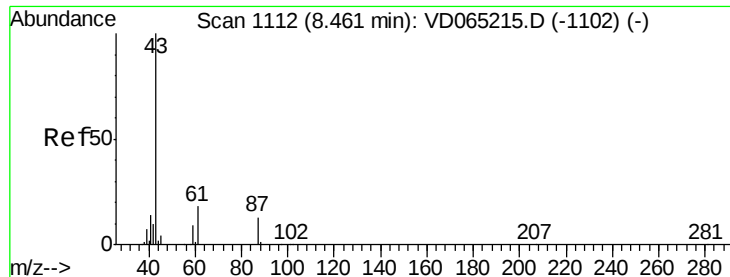
Tot Ion:	41	Resp:	85821
Ion	Ratio	Lower	Upper
41	100		
39	60.1	48.1	72.1
67	73.6	58.9	88.3
52	30.2	24.2	36.2



#42
1,2-Dichloroethane
Concen: 47.387 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion:	62	Resp:	282980
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 49.648 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

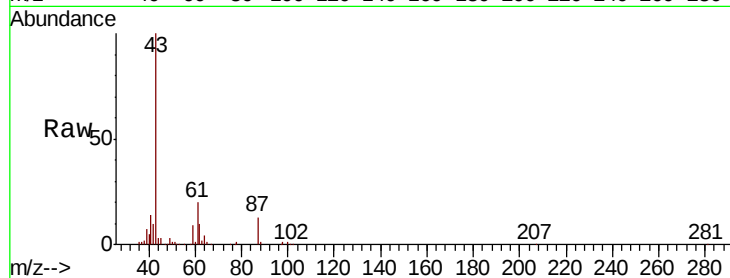
Tot Ion: 43 Resp: 290461

Ion Ratio Lower Upper

43 100

61 30.7 24.6 36.8

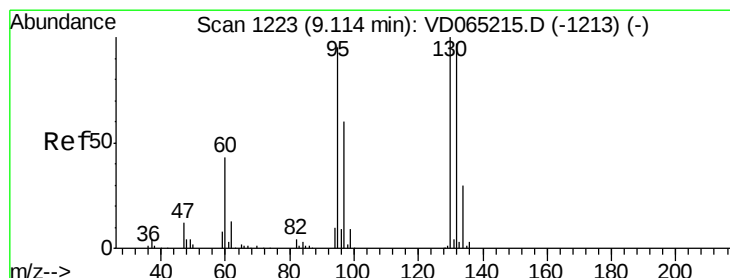
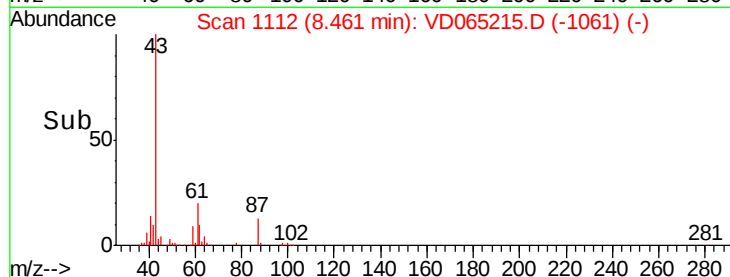
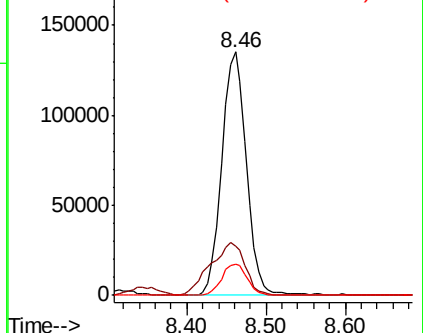
87 13.3 10.6 16.0



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: 46.989 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065215.D

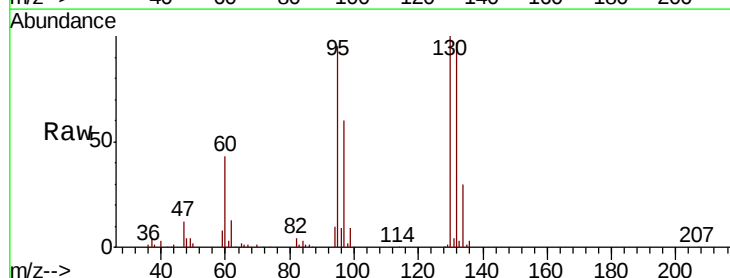
Acq: 18 Feb 2020 11:58

Tgt Ion: 130 Resp: 282935

Ion Ratio Lower Upper

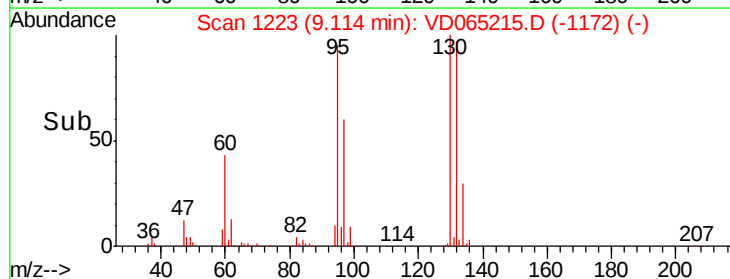
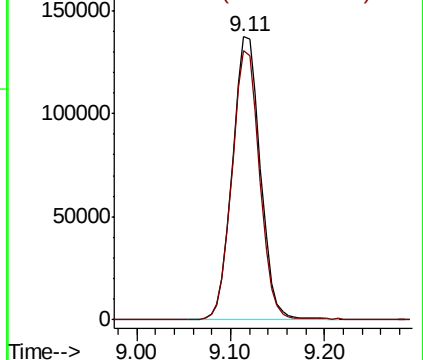
130 100

95 95.3 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 47.677 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

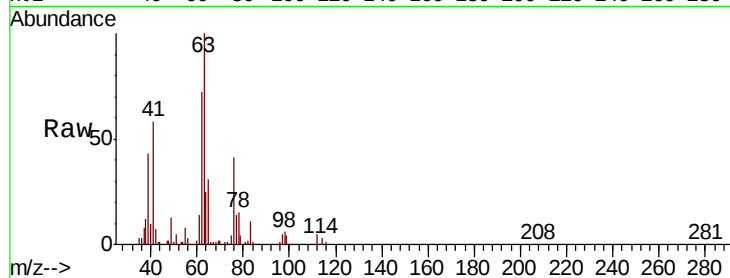
VSTDICCC050

Tot Ion: 63 Resp: 257522

Ion Ratio Lower Upper

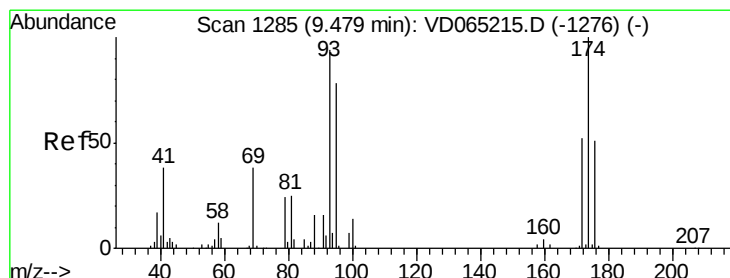
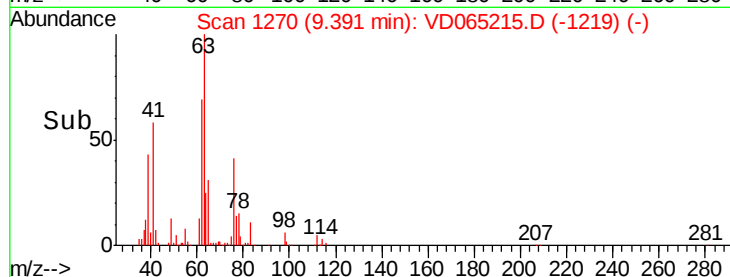
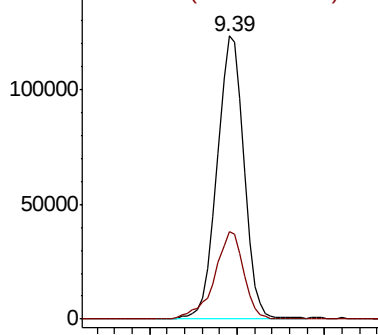
63 100

65 31.1 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.425 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

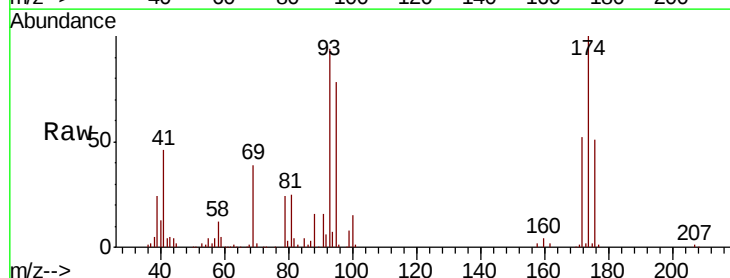
Tgt Ion: 93 Resp: 134578

Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.6

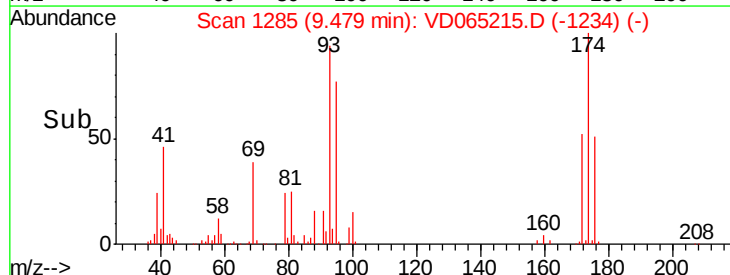
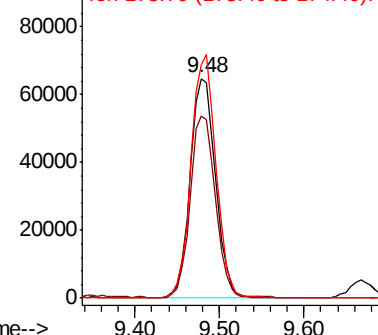
174 108.5 86.8 130.2

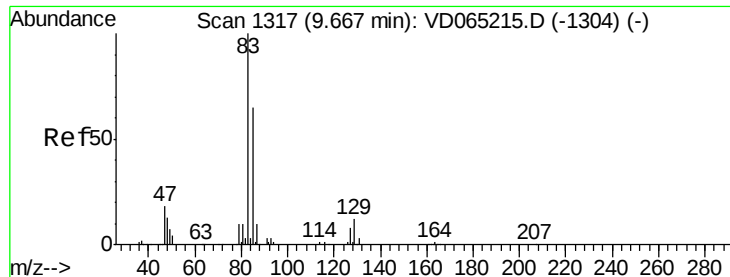


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

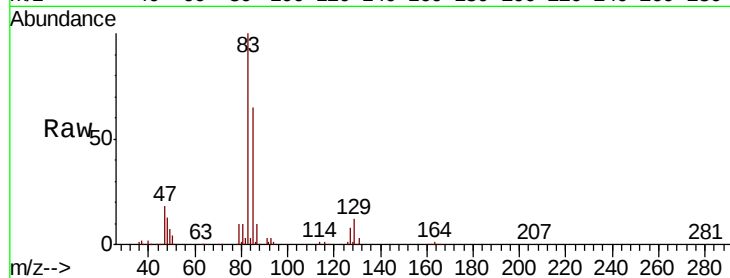




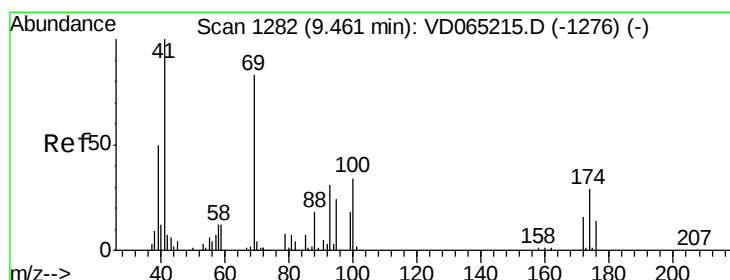
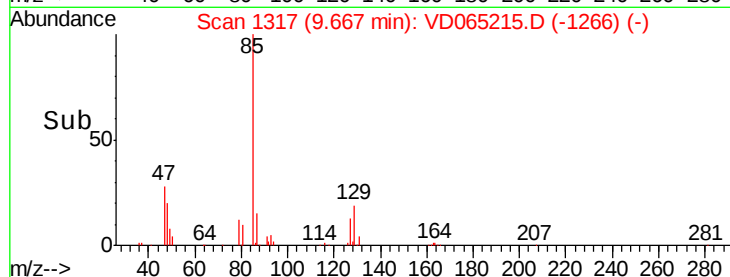
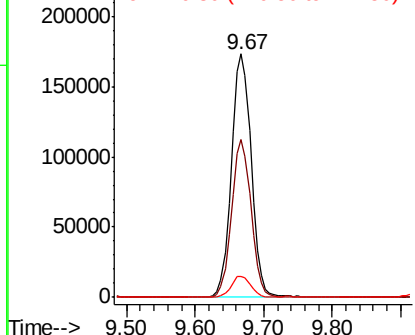
#47
Bromodichloromethane
Concen: 47.343 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 83 Resp: 346739
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0
127 8.4 6.7 10.1

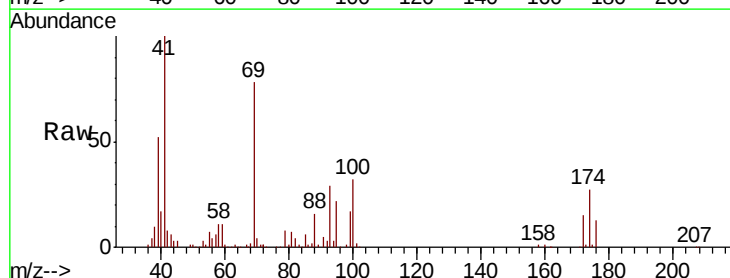


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC

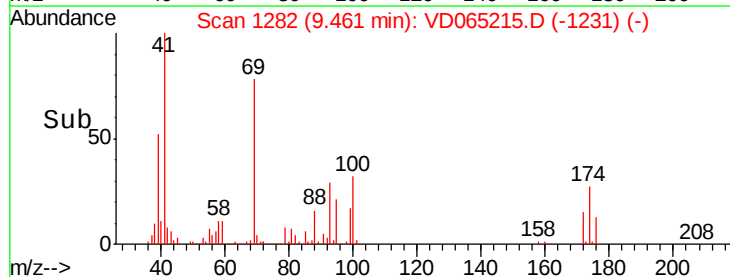
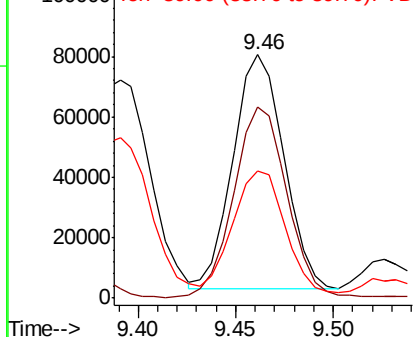


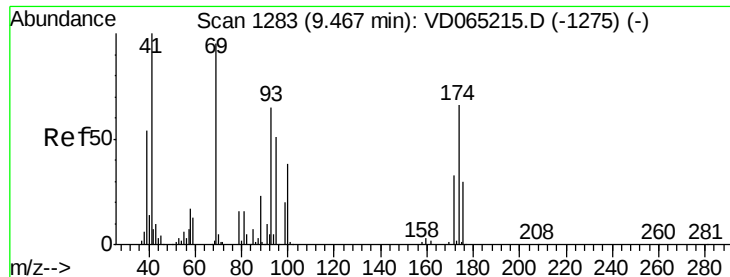
#48
Methyl methacrylate
Concen: 51.707 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 41 Resp: 139827
Ion Ratio Lower Upper
41 100
69 85.2 68.2 102.2
39 52.5 42.0 63.0



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: 990.120 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

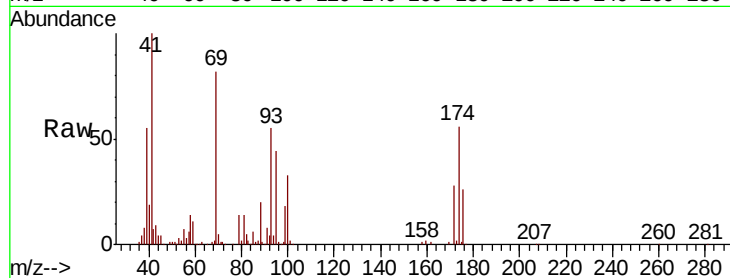
Tot Ion: 88 Resp: 32273

Ion Ratio Lower Upper

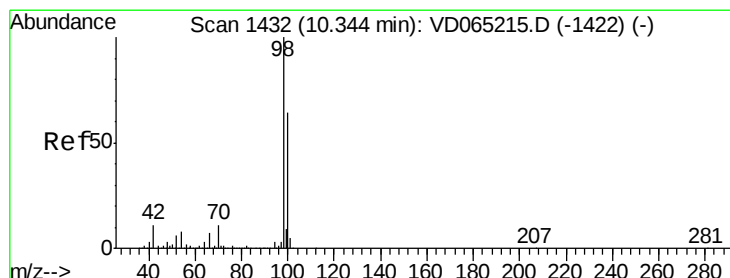
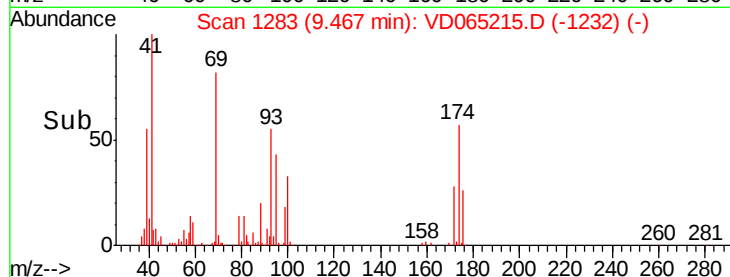
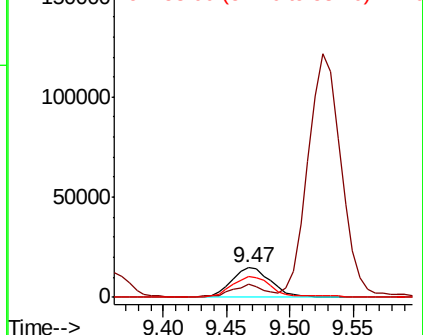
88 100

43 35.6 28.5 42.7

58 73.2 58.6 87.8



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



#50

Toluene-d8

Concen: 50.556 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065215.D

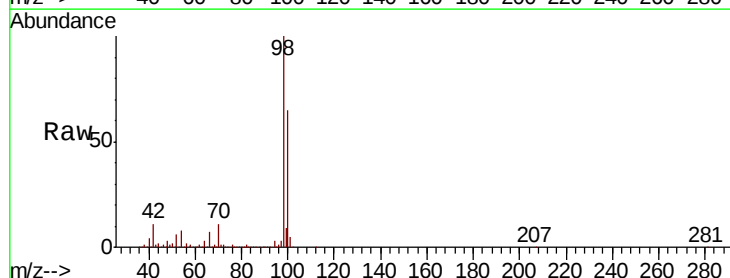
Acq: 18 Feb 2020 11:58

Tgt Ion: 98 Resp: 932075

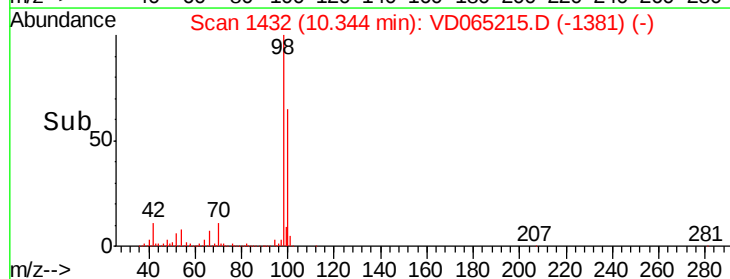
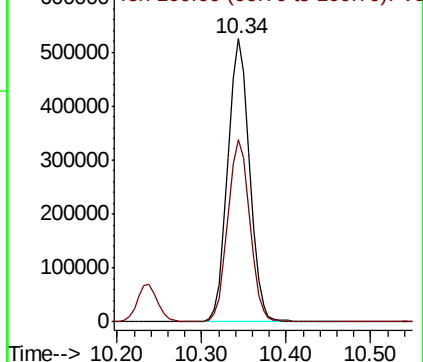
Ion Ratio Lower Upper

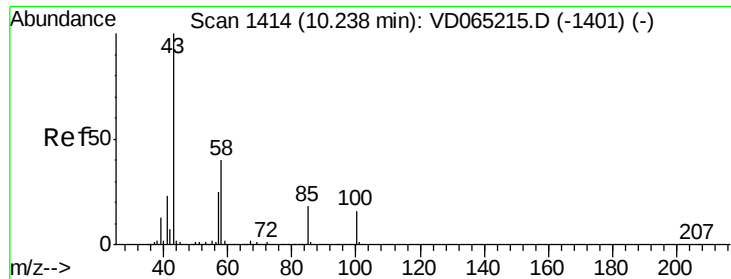
98 100

100 65.0 52.0 78.0



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

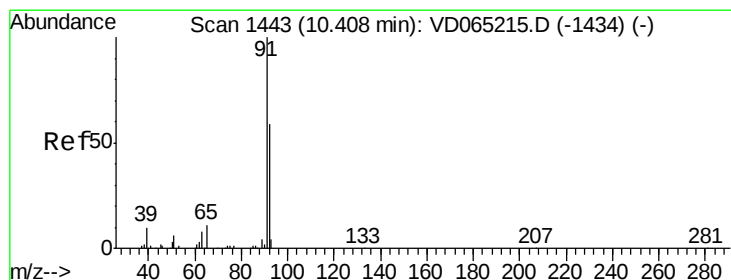
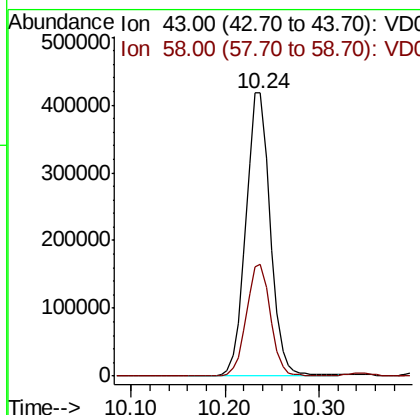
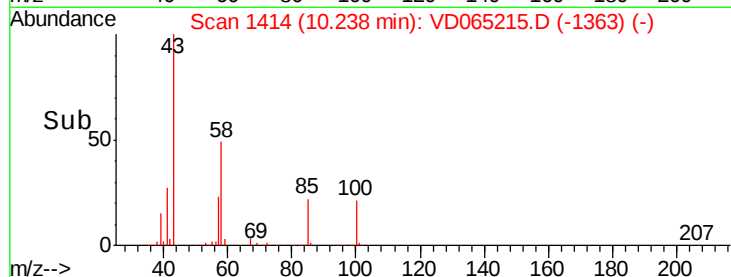
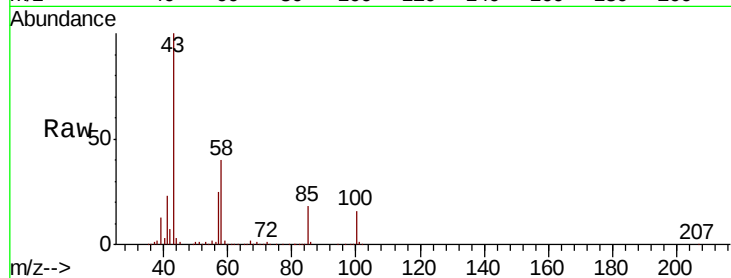




#51
4-Methyl-2-Pentanone
Concen: 253.383 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

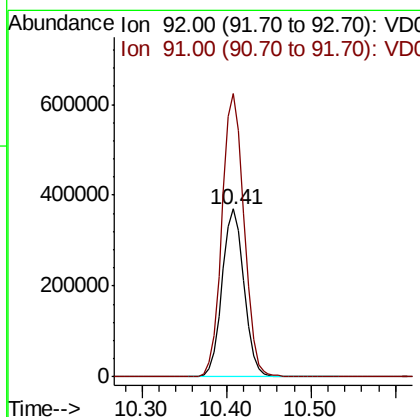
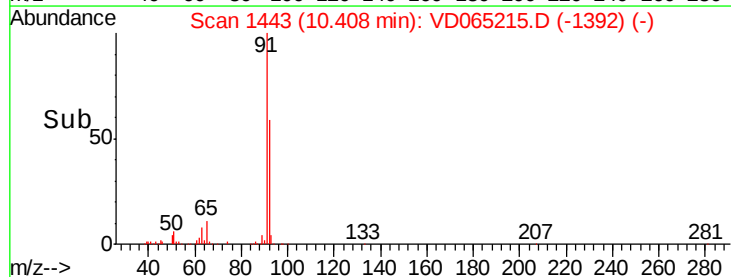
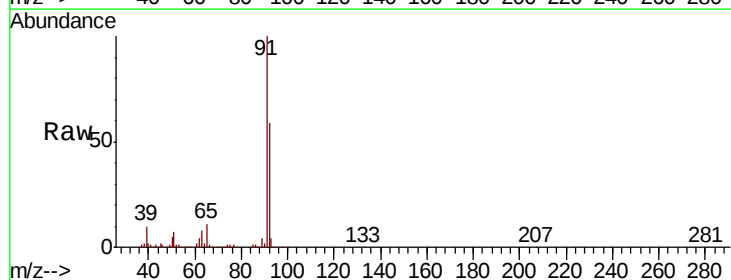
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

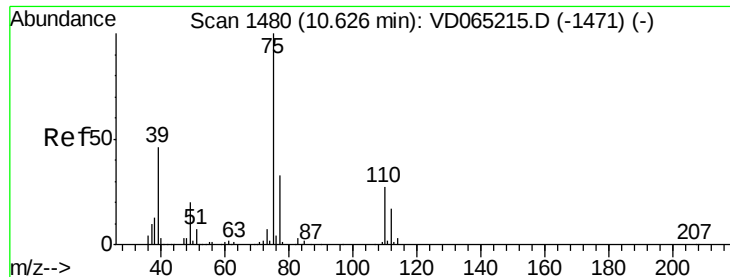
Tot Ion: 43 Resp: 752925
Ion Ratio Lower Upper
43 100
58 38.9 31.1 46.7



#52
Toluene
Concen: 49.406 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 92 Resp: 664288
Ion Ratio Lower Upper
92 100
91 170.4 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 49.241 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

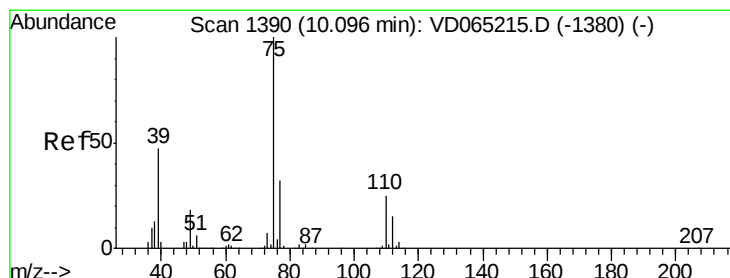
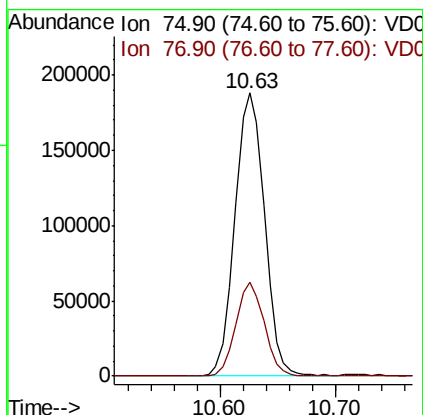
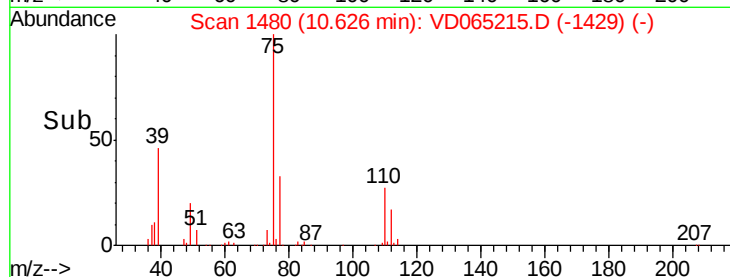
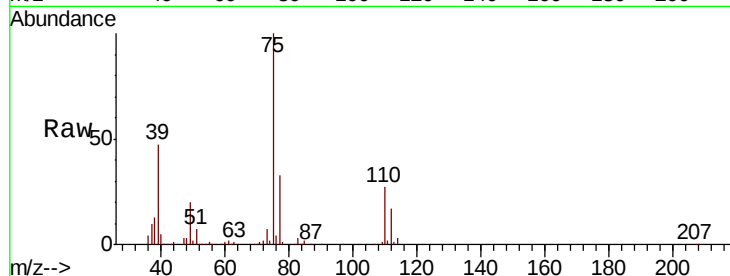
VSTDICCC050

Tot Ion: 75 Resp: 334279

Ion Ratio Lower Upper

75 100

77 33.3 26.6 40.0



#54

cis-1,3-Dichloropropene

Concen: 48.864 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

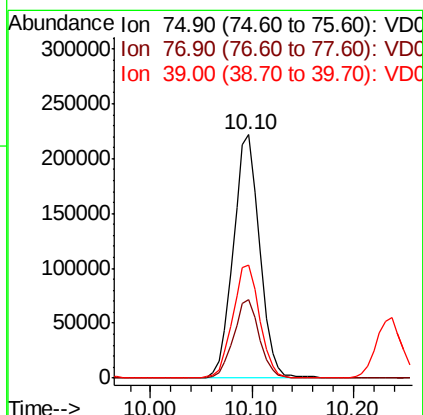
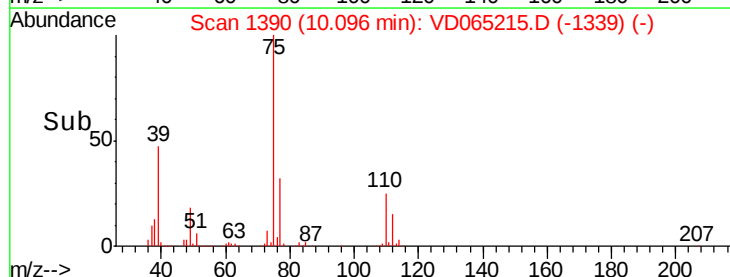
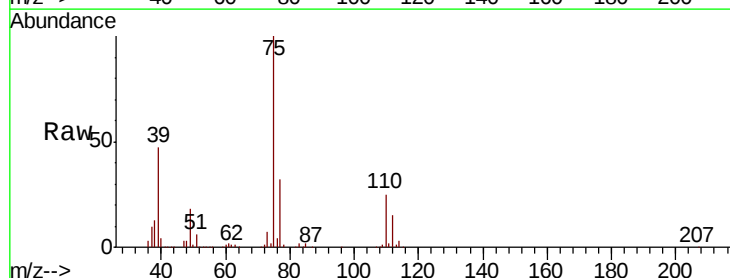
Tgt Ion: 75 Resp: 400568

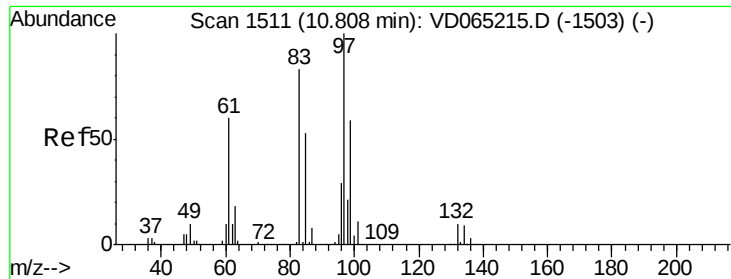
Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

39 46.6 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 47.832 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 187101

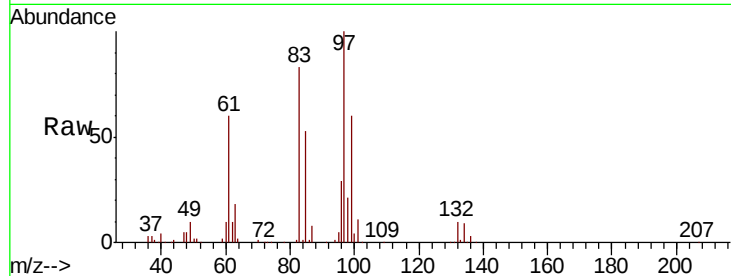
Ion Ratio Lower Upper

97 100

83 83.4 66.7 100.1

85 53.0 42.4 63.6

99 59.4 47.5 71.3

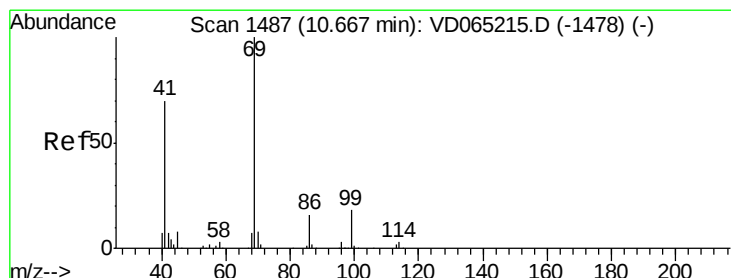
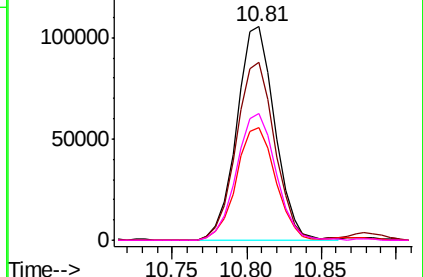
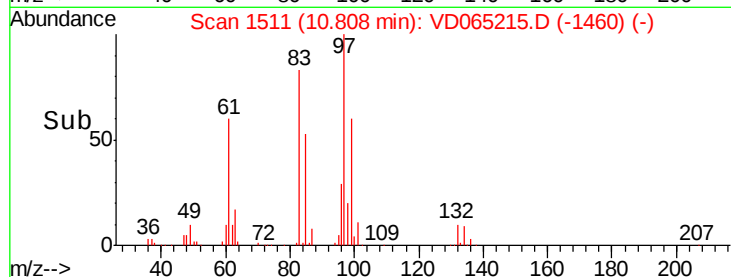


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 51.729 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

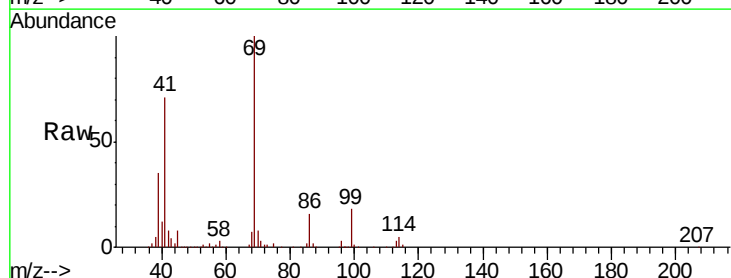
Tgt Ion: 69 Resp: 233550

Ion Ratio Lower Upper

69 100

41 68.2 54.6 81.8

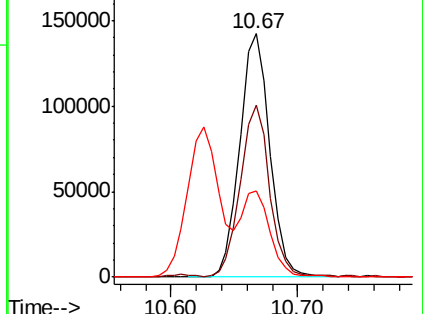
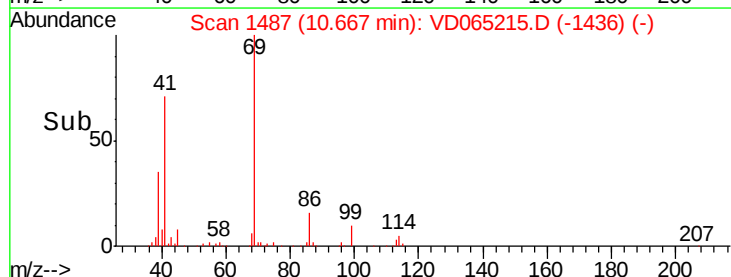
39 33.1 26.5 39.7



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: 48.167 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

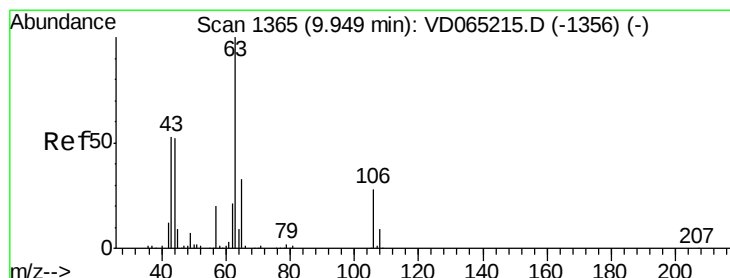
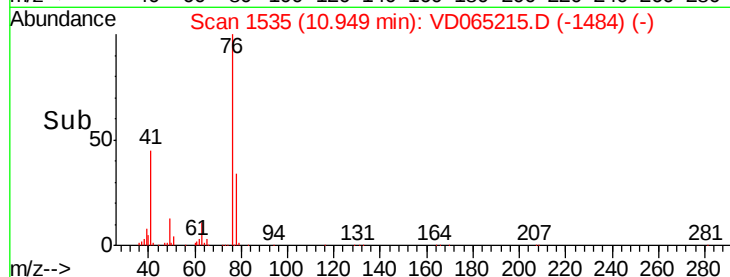
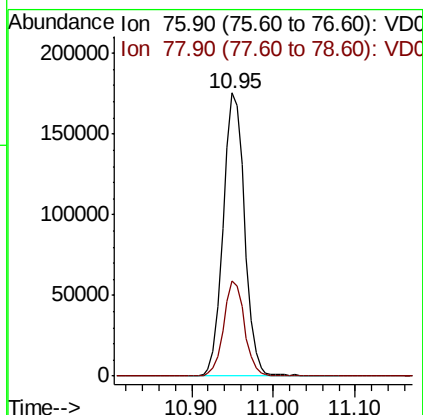
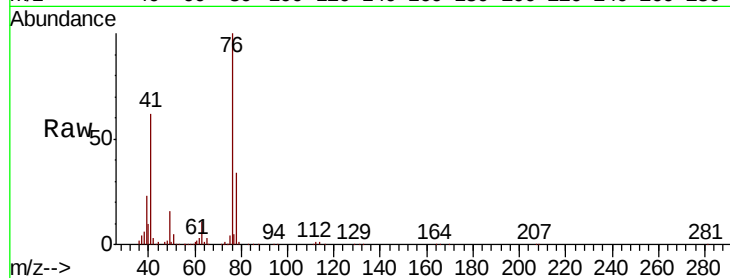
VSTDICCC050

Tot Ion: 76 Resp: 320676

Ion Ratio Lower Upper

76 100

78 32.9 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 223.160 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065215.D

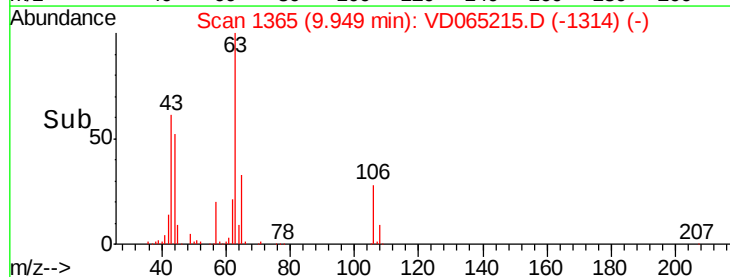
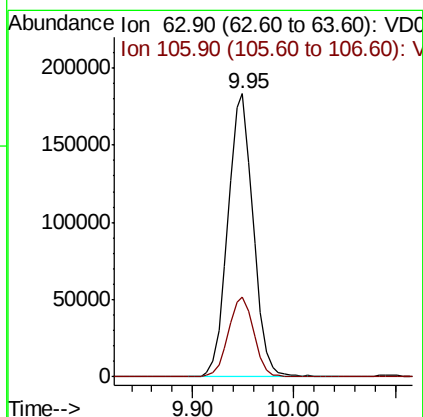
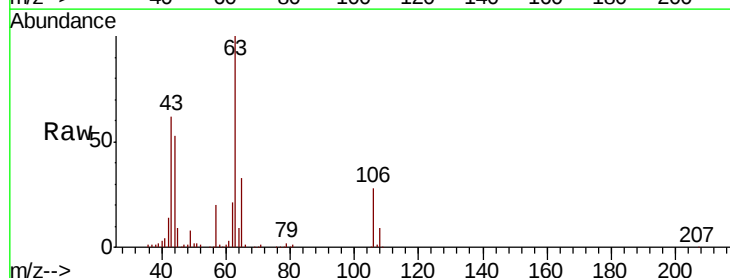
Acq: 18 Feb 2020 11:58

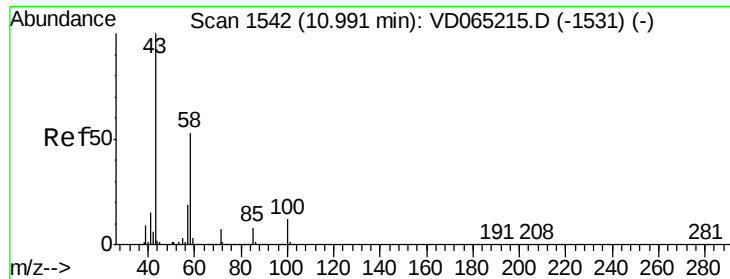
Tgt Ion: 63 Resp: 317650

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2

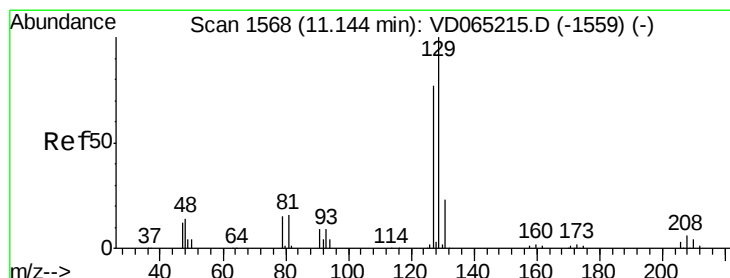
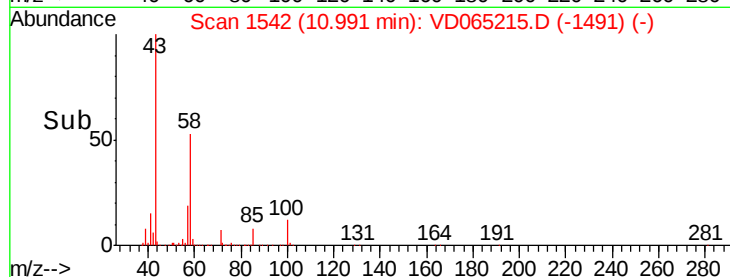
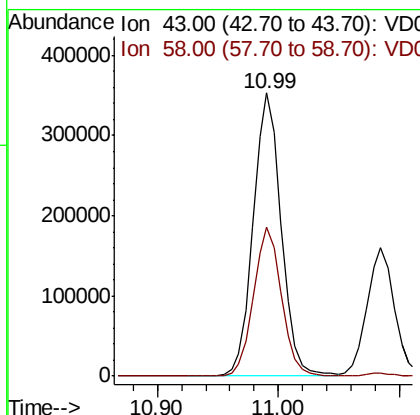
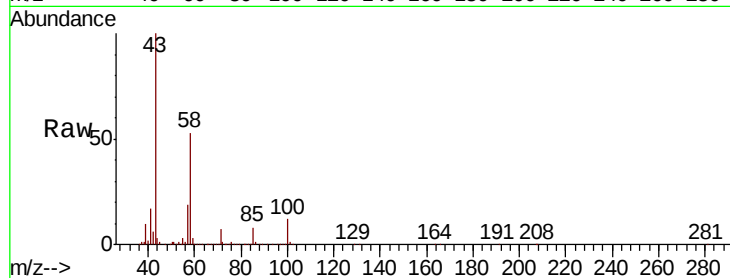




#59
2-Hexanone
Concen: 268.979 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

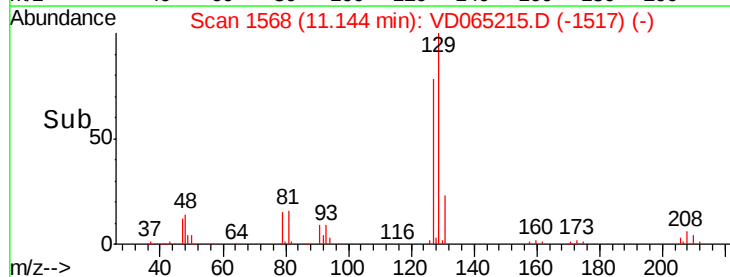
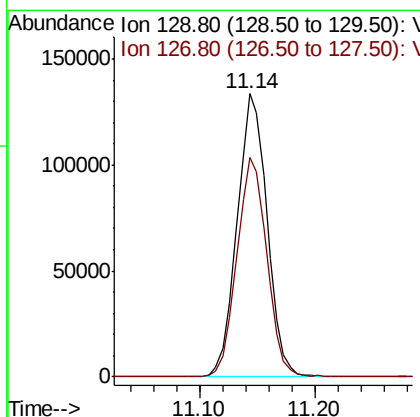
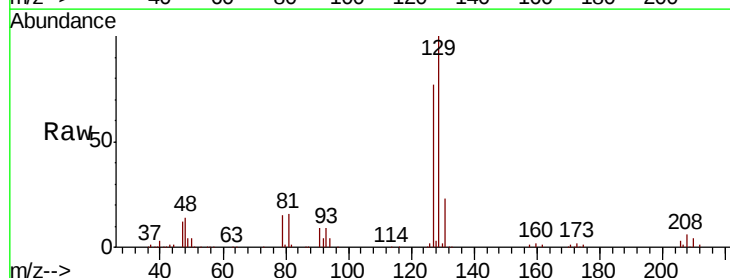
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

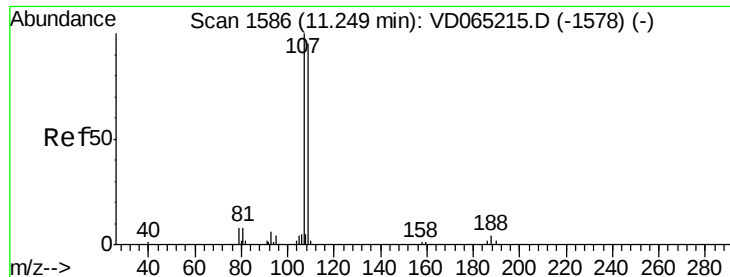
Tot Ion: 43 Resp: 572149
Ion Ratio Lower Upper
43 100
58 52.5 26.3 78.8



#60
Dibromochloromethane
Concen: 48.060 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 129 Resp: 240617
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1

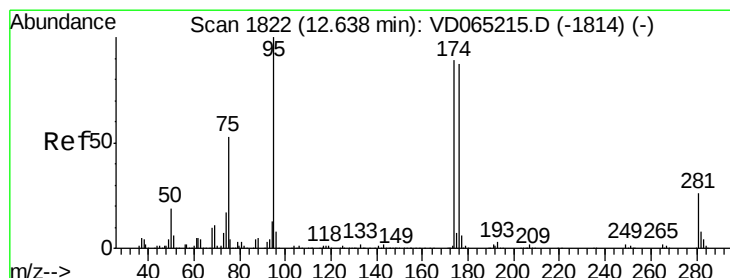
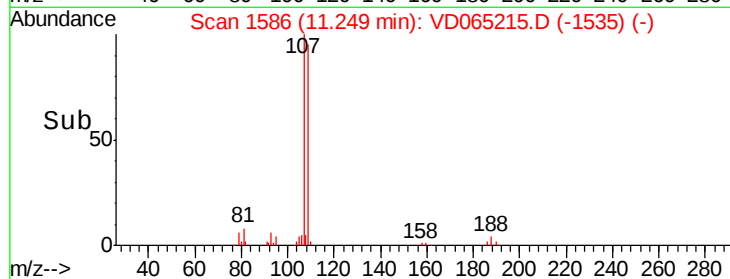
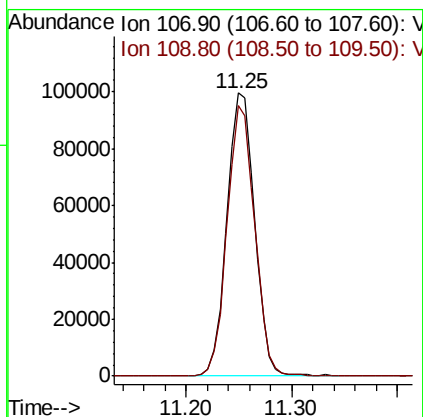
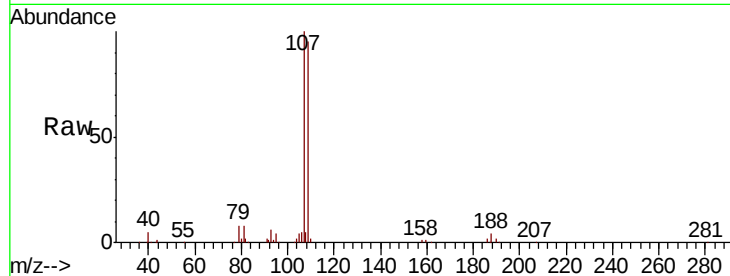




#61
 1,2-Dibromoethane
 Concen: 48.733 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

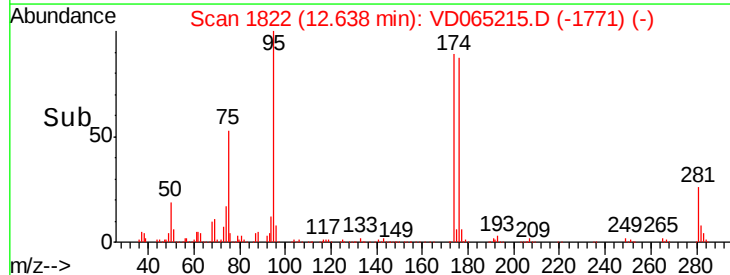
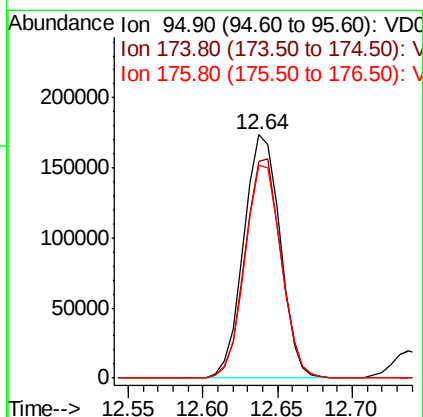
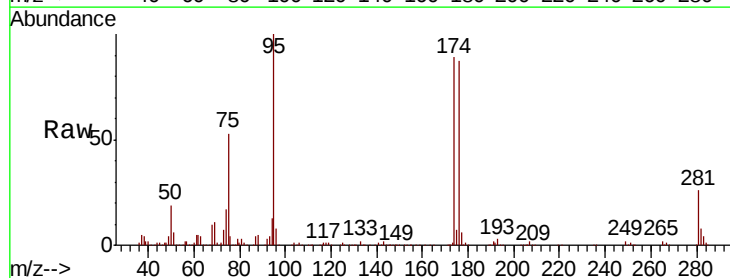
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

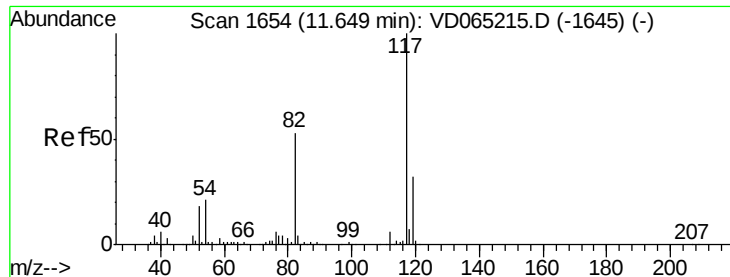
Tot Ion: 107 Resp: 180486
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.2 114.4



#62
 4-Bromofluorobenzene
 Concen: 50.266 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion: 95 Resp: 293583
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 178.0
 176 87.2 0.0 174.4

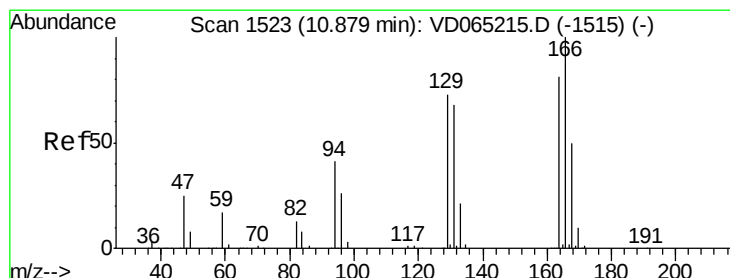
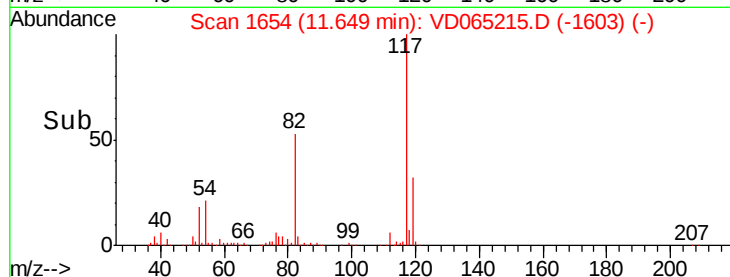
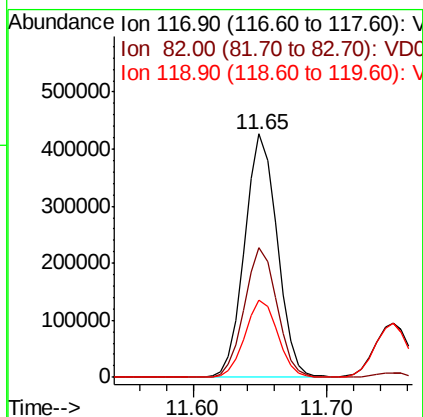
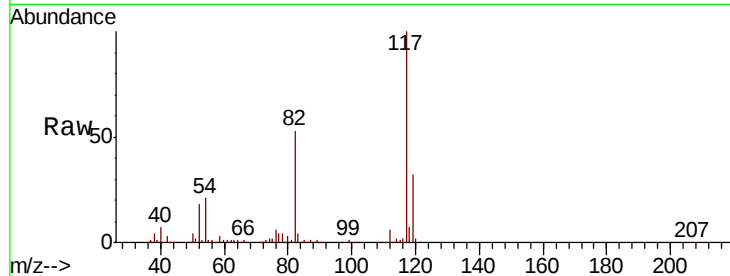




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

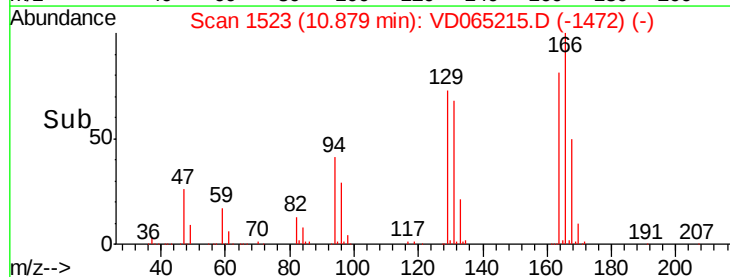
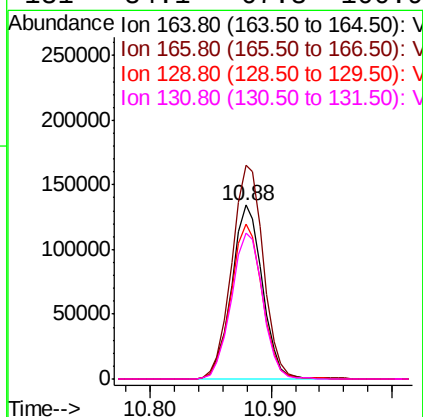
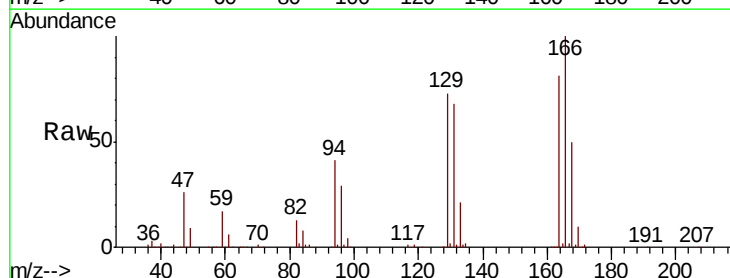
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

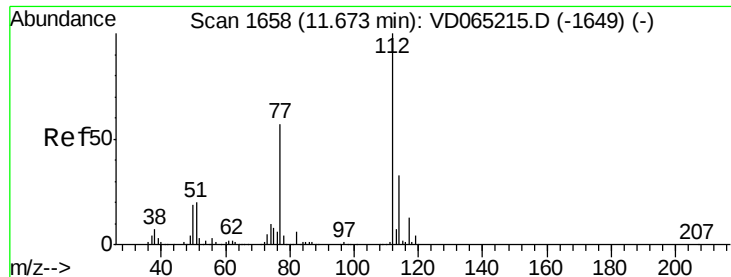
Tot Ion:117 Resp: 718006
Ion Ratio Lower Upper
117 100
82 53.4 42.7 64.1
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 46.875 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion:164 Resp: 238702
Ion Ratio Lower Upper
164 100
166 123.0 98.4 147.6
129 89.5 71.6 107.4
131 84.1 67.3 100.9

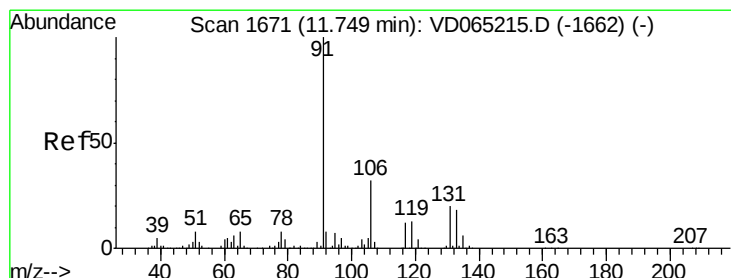
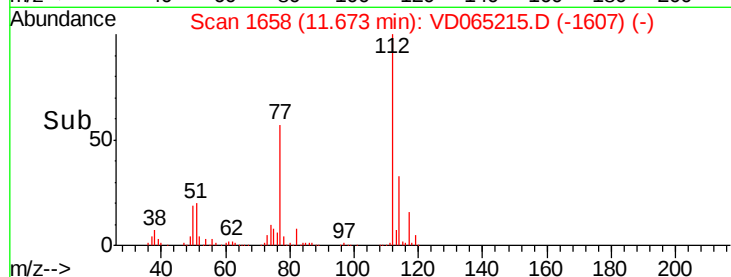
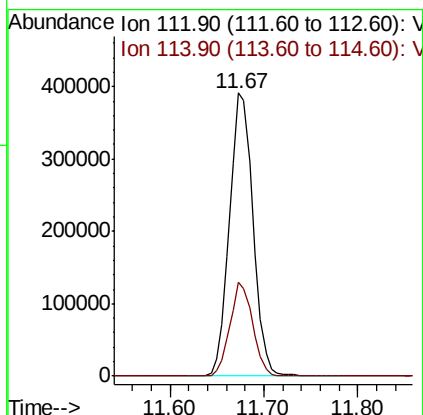
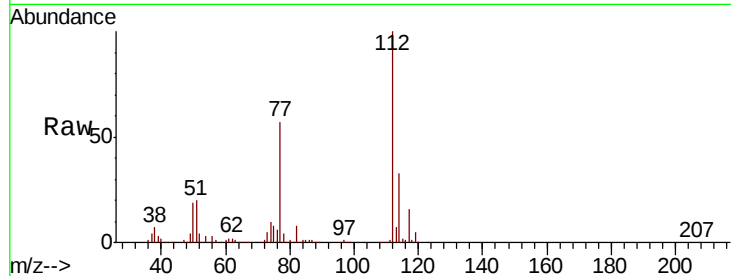




#65
Chlorobenzene
Concen: 47.255 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

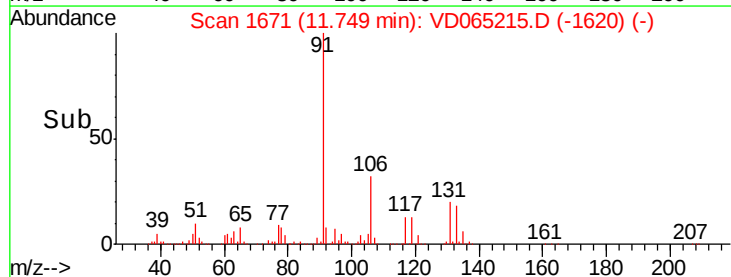
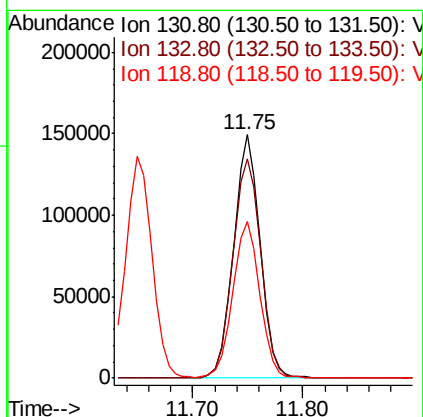
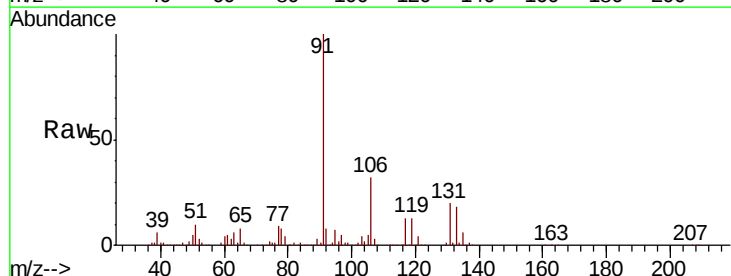
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

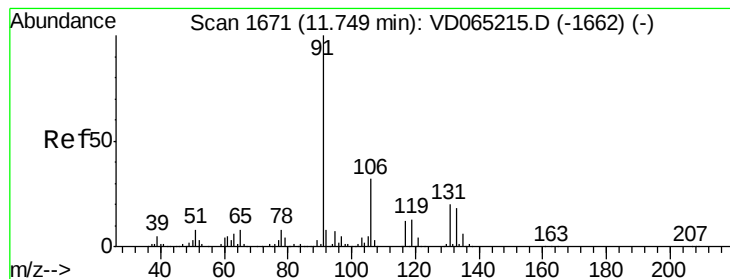
Tot Ion:112 Resp: 680871
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 46.982 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion:131 Resp: 252620
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 65.4 32.7 98.1





#67

Ethyl Benzene

Concen: 48.717 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

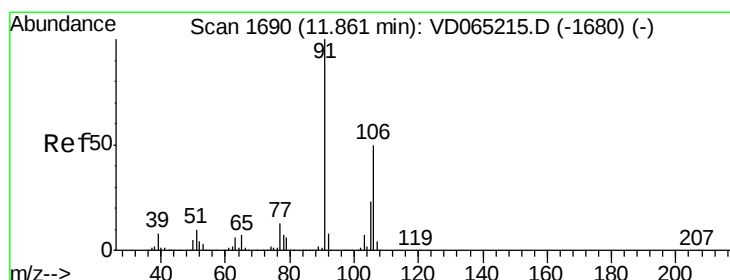
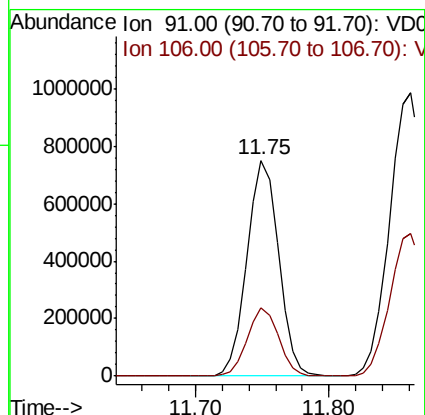
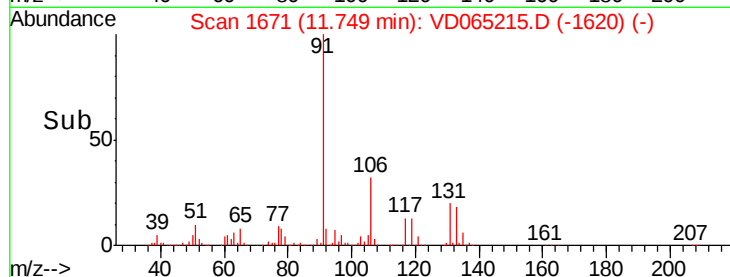
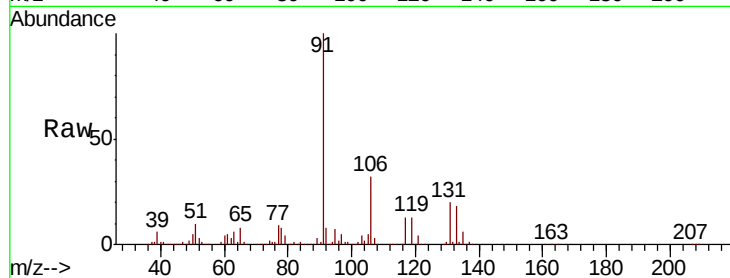
VSTDICCC050

Tot Ion: 91 Resp: 1229376

Ion Ratio Lower Upper

91 100

106 31.5 25.2 37.8



#68

m/p-Xylenes

Concen: 98.586 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065215.D

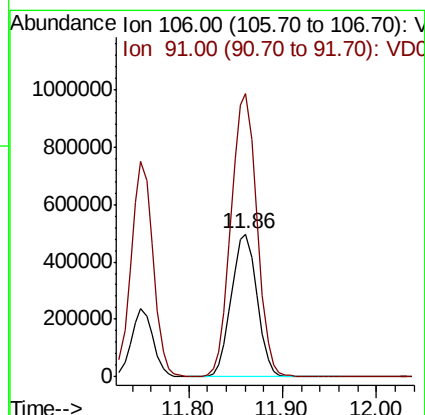
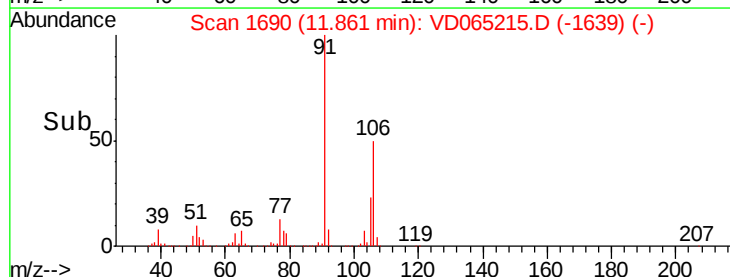
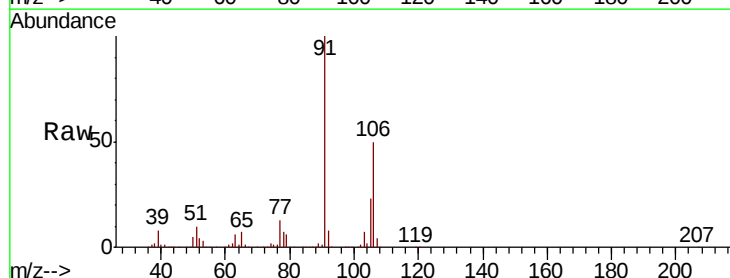
Acq: 18 Feb 2020 11:58

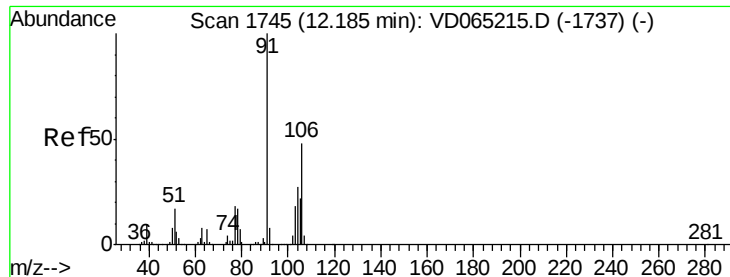
Tgt Ion: 106 Resp: 951826

Ion Ratio Lower Upper

106 100

91 197.8 158.2 237.4

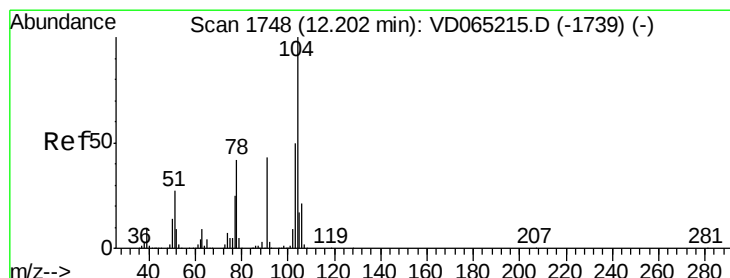
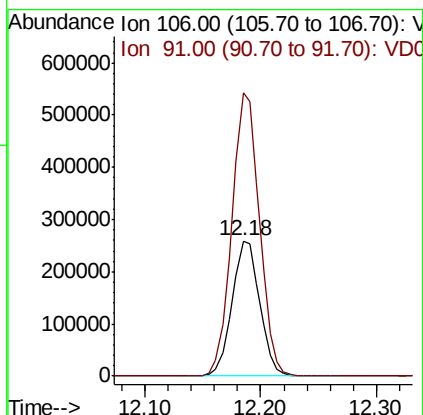
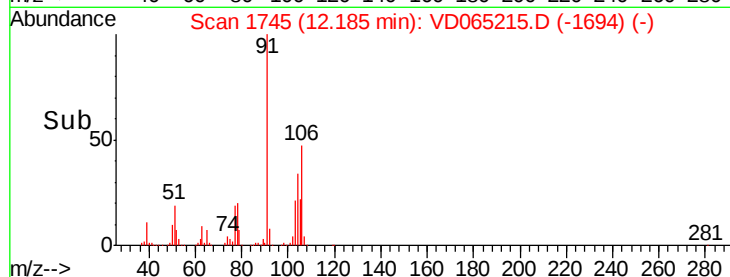
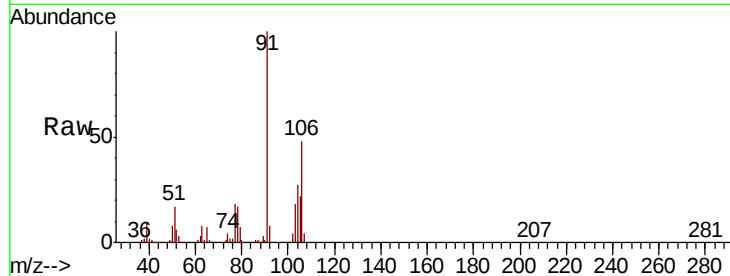




#69
o-Xylene
Concen: 50.076 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

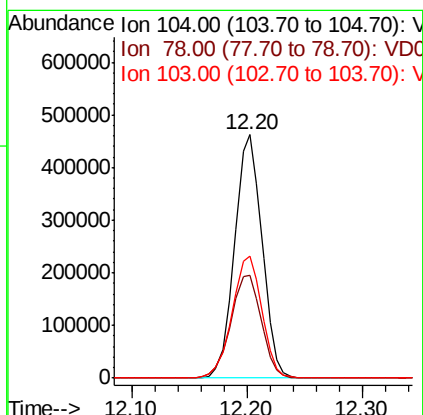
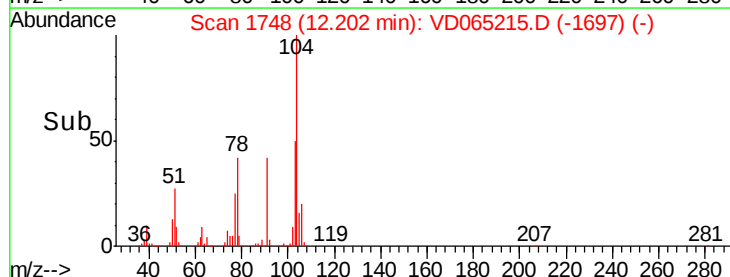
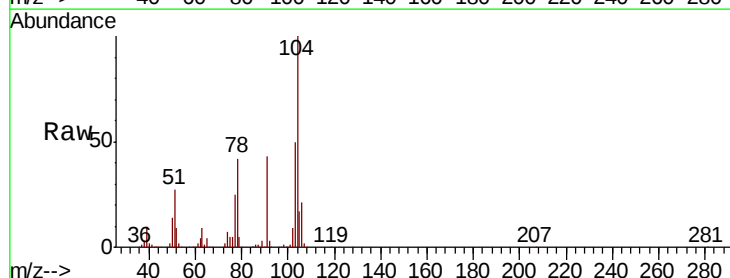
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

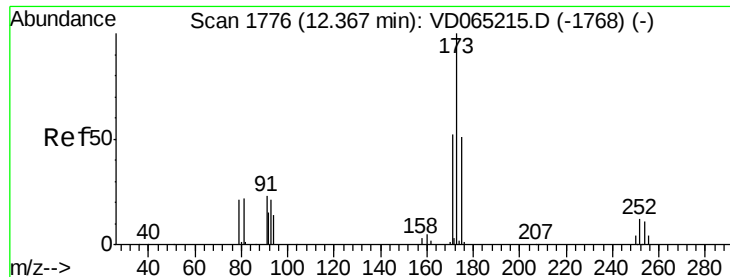
Tot Ion:106 Resp: 428332
Ion Ratio Lower Upper
106 100
91 209.3 104.7 313.9



#70
Styrene
Concen: 50.083 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion:104 Resp: 760584
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 54.3 43.4 65.2





#71

Bromoform

Concen: 47.348 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

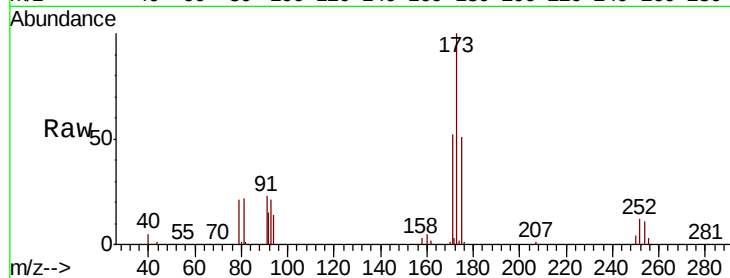
Tot Ion:173 Resp: 141269

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.4

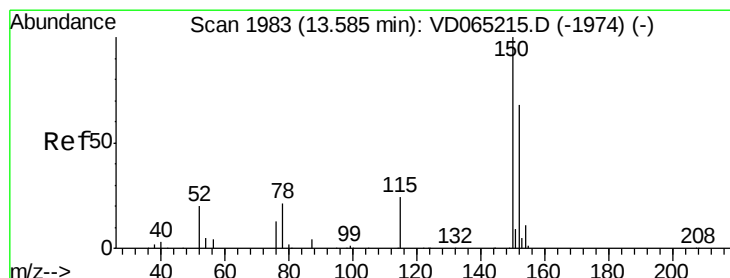
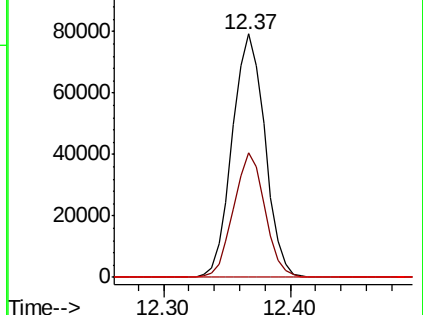
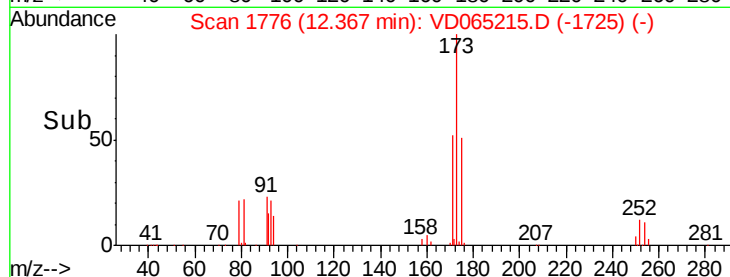
254 0.0 0.0 0.0



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: VD065215.D

Acq: 18 Feb 2020 11:58

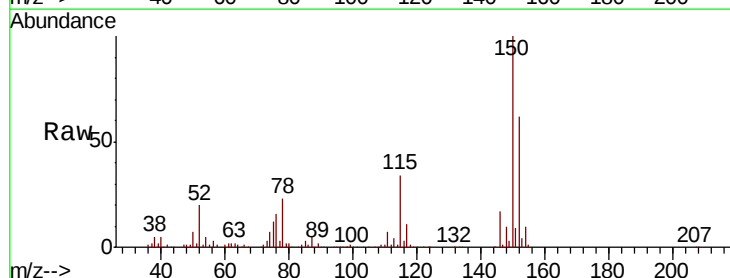
Tgt Ion:152 Resp: 344277

Ion Ratio Lower Upper

152 100

115 55.2 27.6 82.8

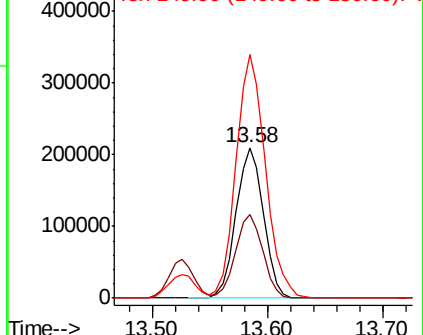
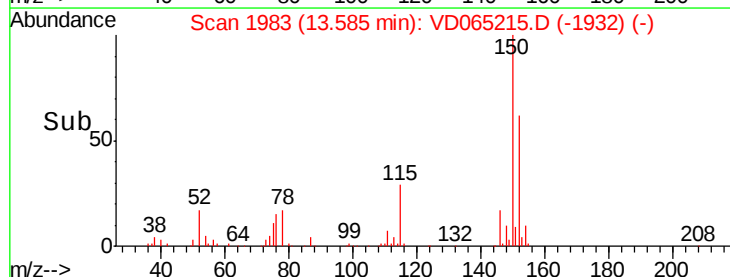
150 173.7 0.0 347.4

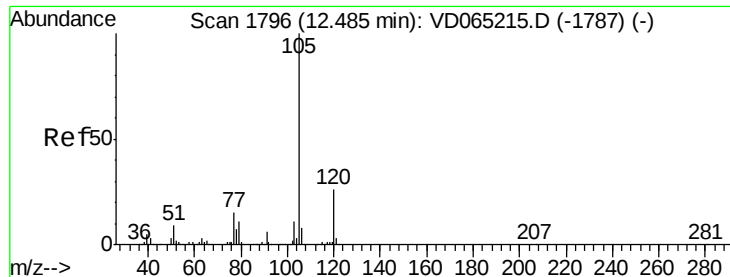


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.693 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

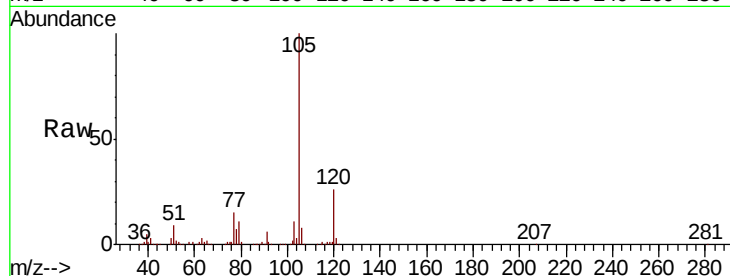
VSTDICCC050

Tot Ion:105 Resp: 1155428

Ion Ratio Lower Upper

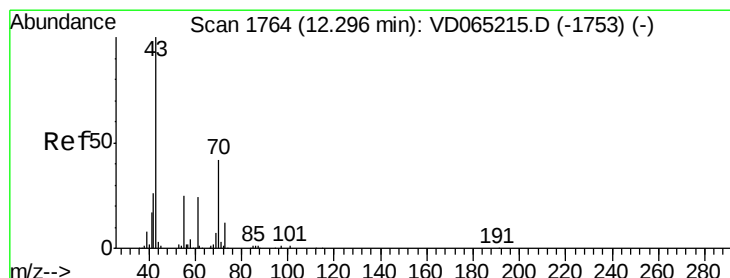
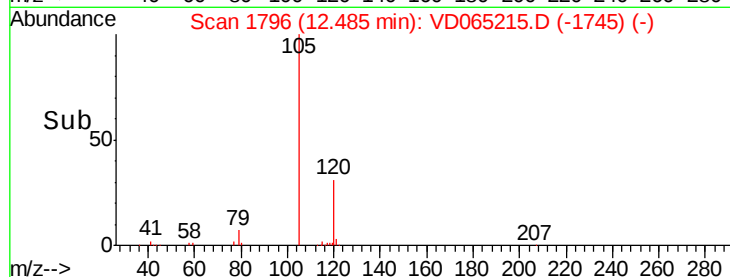
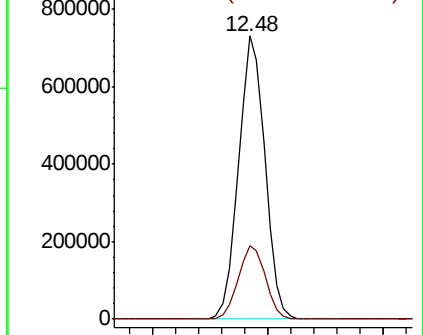
105 100

120 26.6 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: 52.407 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Tgt Ion: 43 Resp: 265423

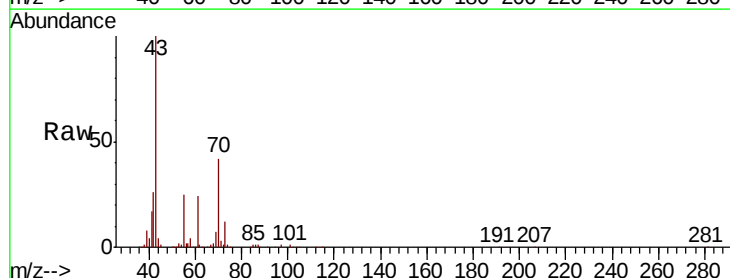
Ion Ratio Lower Upper

43 100

70 42.1 33.7 50.5

55 25.9 20.7 31.1

61 23.7 19.0 28.4

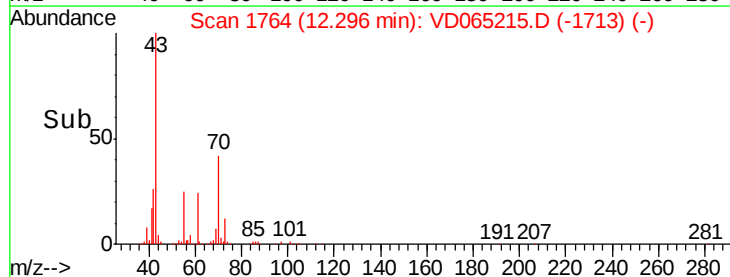
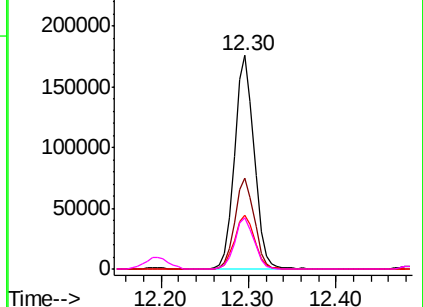


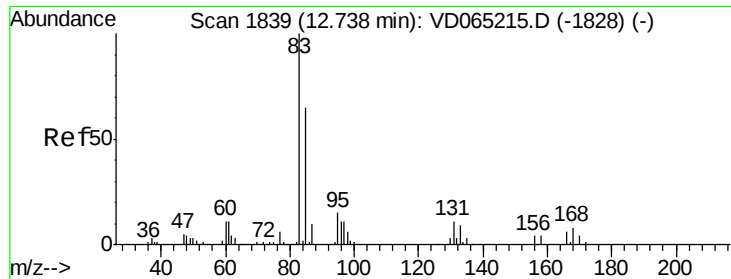
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.259 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

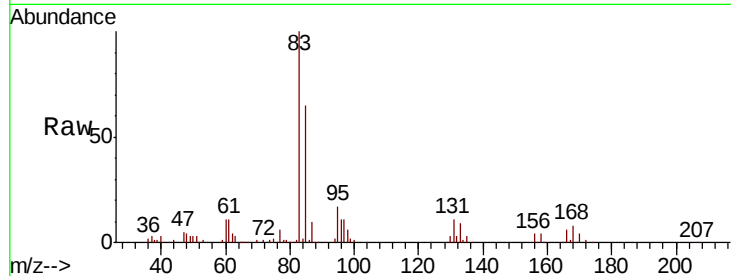
Tot Ion: 83 Resp: 198519

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

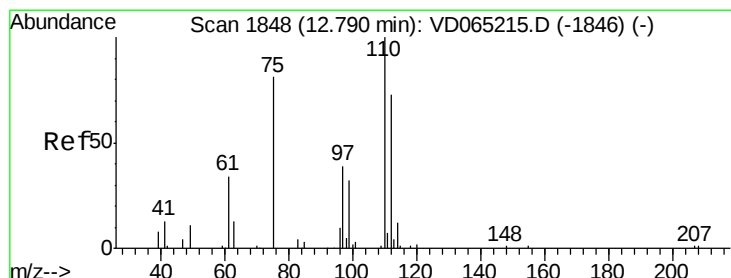
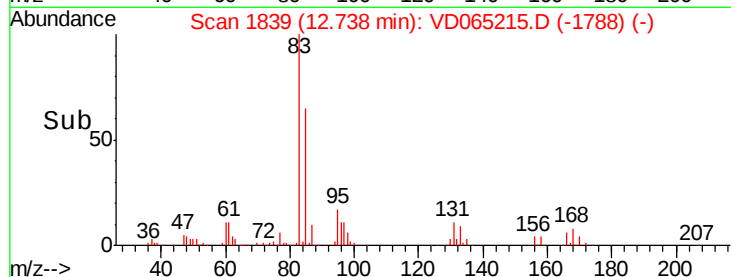
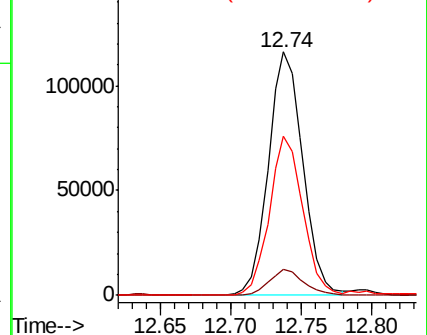
85 63.2 31.6 94.8



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 53.311 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065215.D

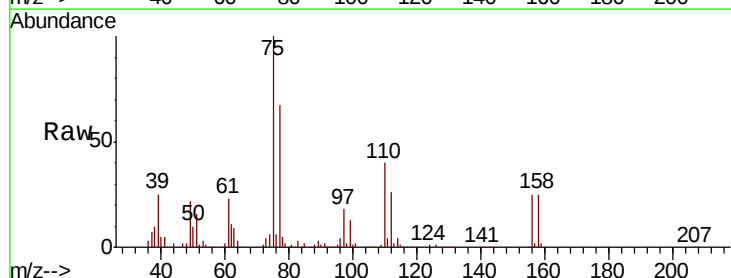
Acq: 18 Feb 2020 11:58

Tgt Ion: 75 Resp: 263026

Ion Ratio Lower Upper

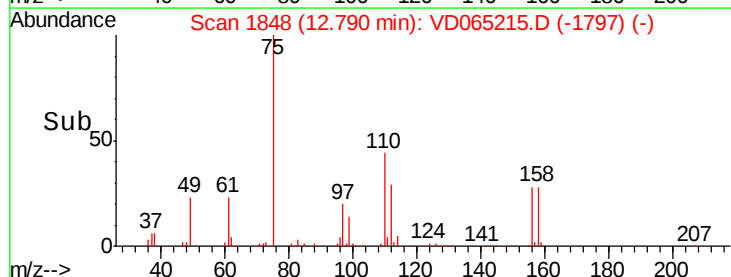
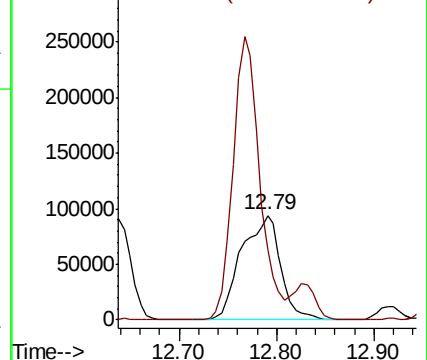
75 100

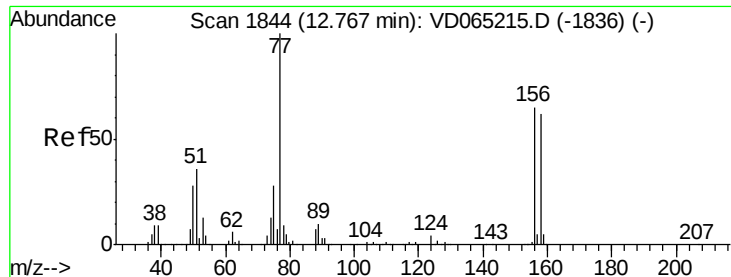
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 49.361 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

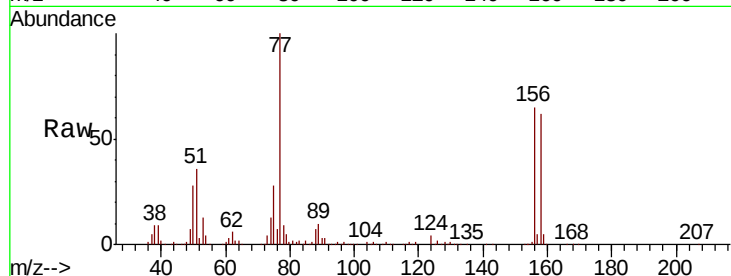
Tot Ion:156 Resp: 279377

Ion Ratio Lower Upper

156 100

77 173.1 86.6 259.7

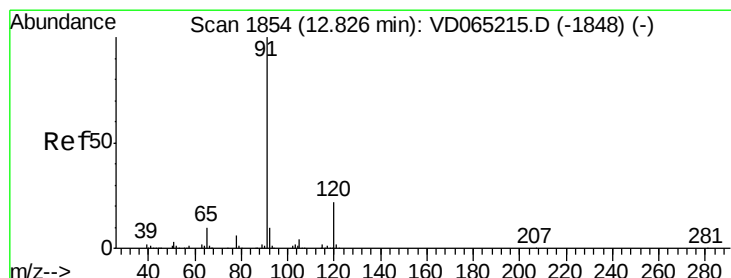
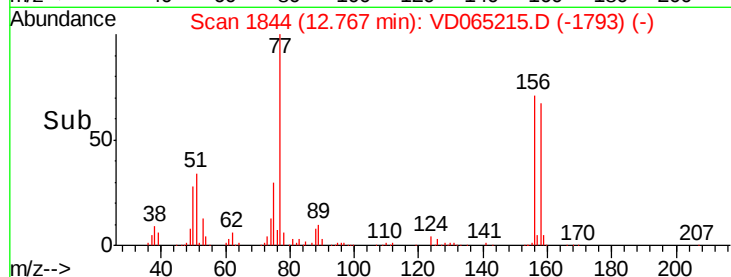
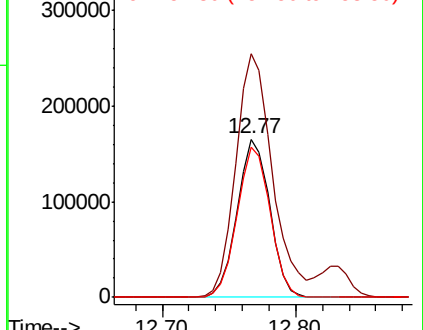
158 96.2 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.451 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065215.D

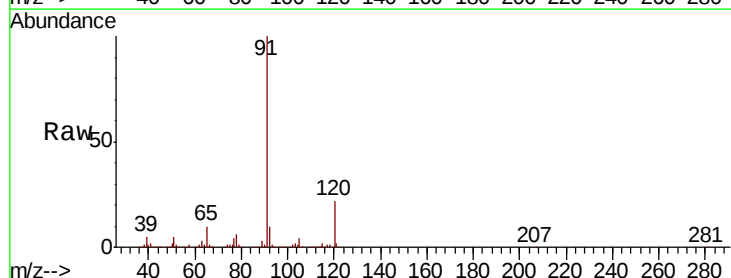
Acq: 18 Feb 2020 11:58

Tgt Ion: 91 Resp: 1381873

Ion Ratio Lower Upper

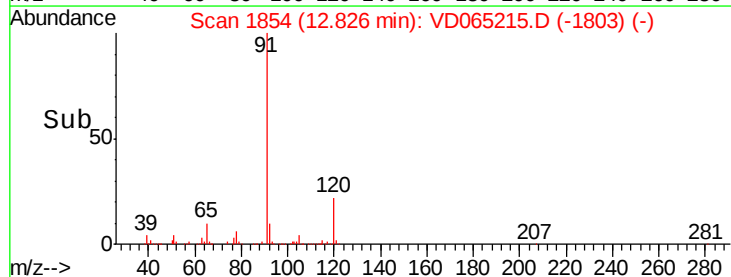
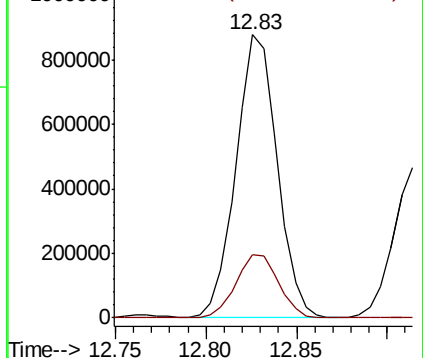
91 100

120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

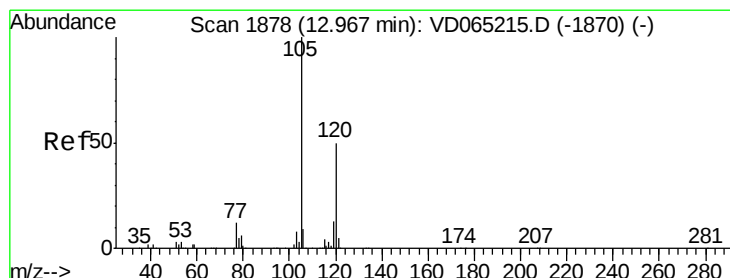
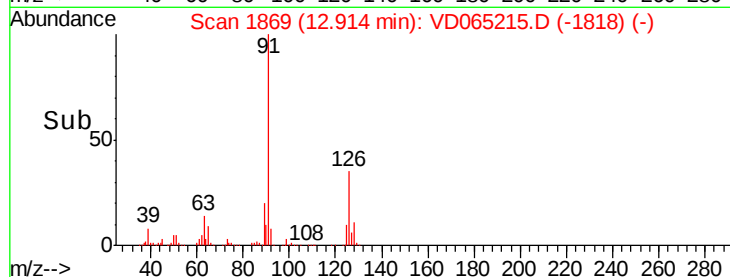
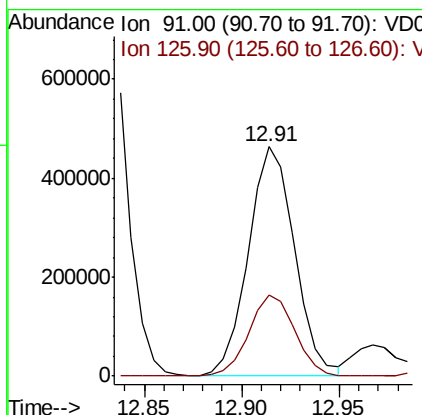
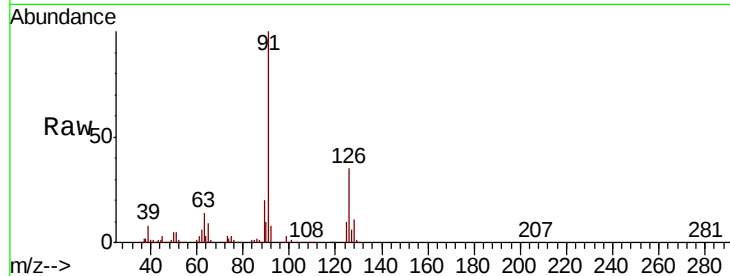




#79
 2-Chlorotoluene
 Concen: 49.480 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

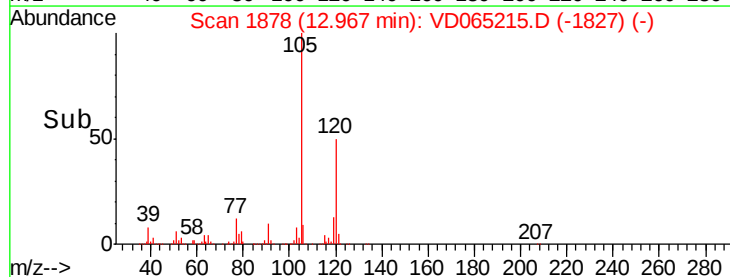
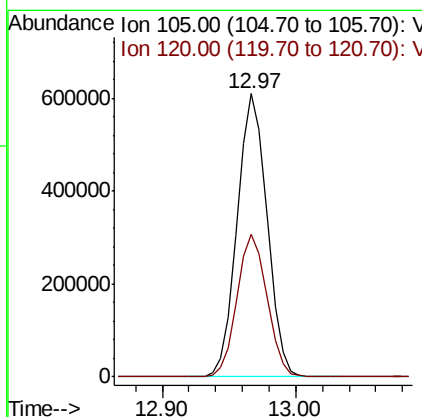
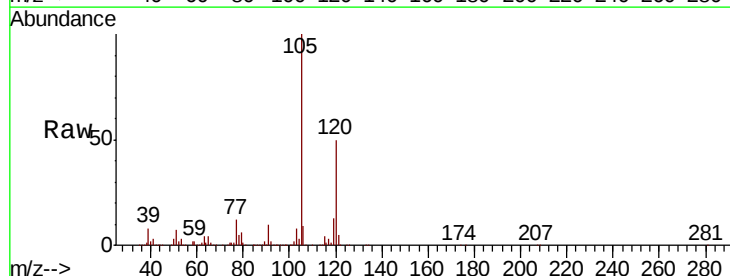
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

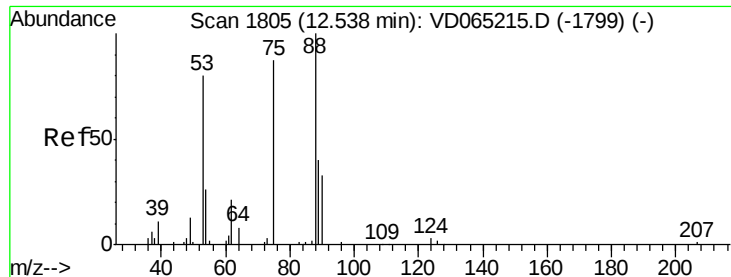
Tot Ion: 91 Resp: 759245
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 50.320 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion: 105 Resp: 944641
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.870 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

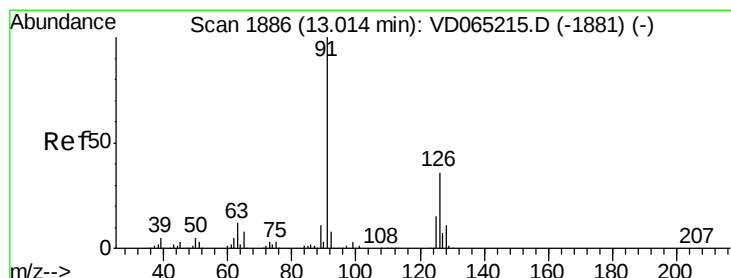
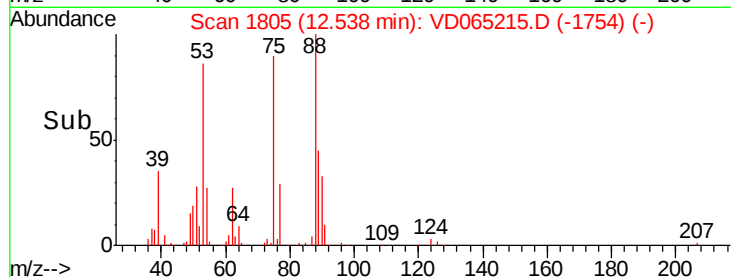
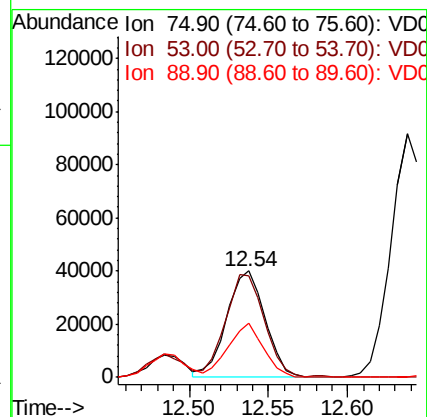
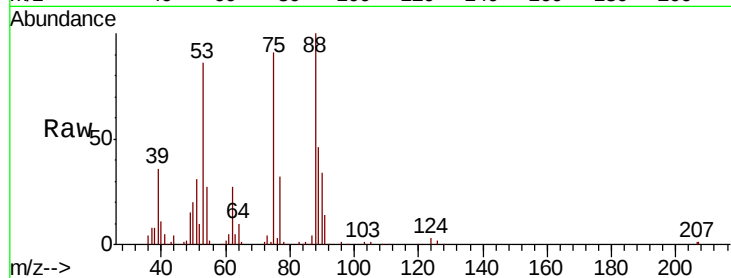
Tot Ion: 75 Resp: 67655

Ion Ratio Lower Upper

75 100

53 97.0 77.6 116.4

89 46.5 37.2 55.8



#82

4-Chlorotoluene

Concen: 49.112 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065215.D

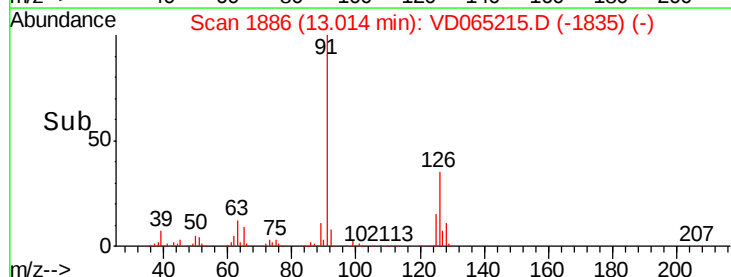
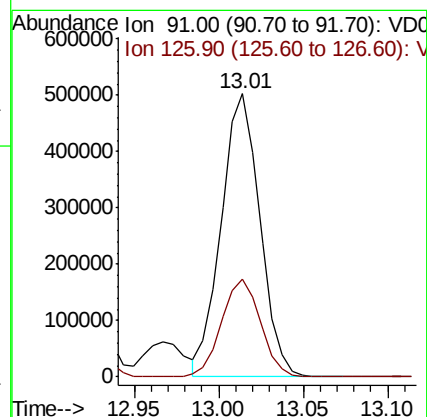
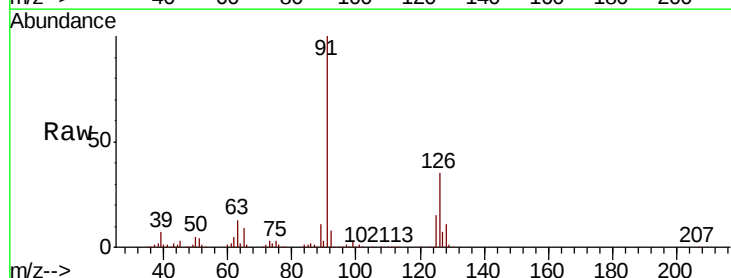
Acq: 18 Feb 2020 11:58

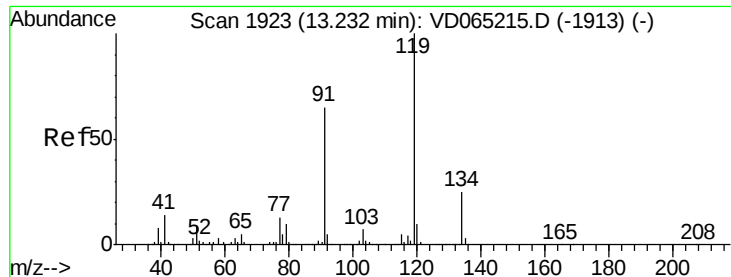
Tgt Ion: 91 Resp: 800042

Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.3

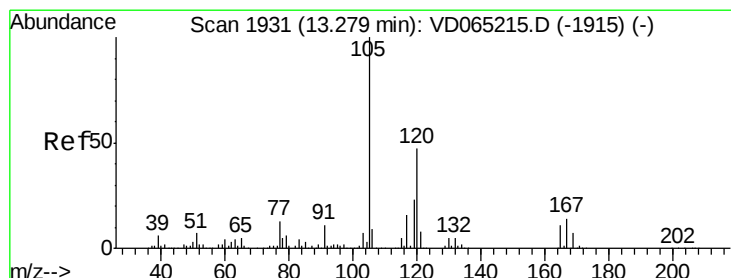
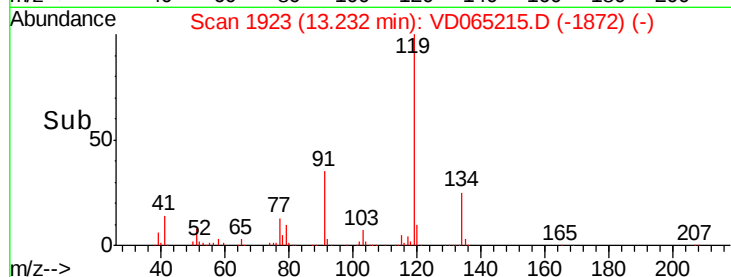
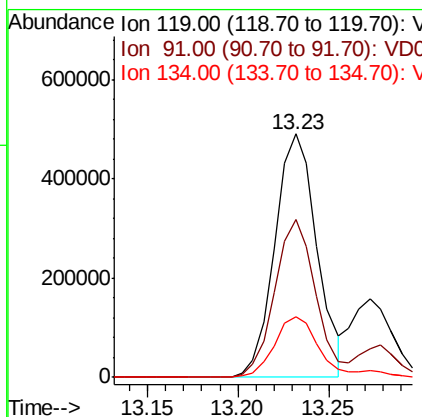
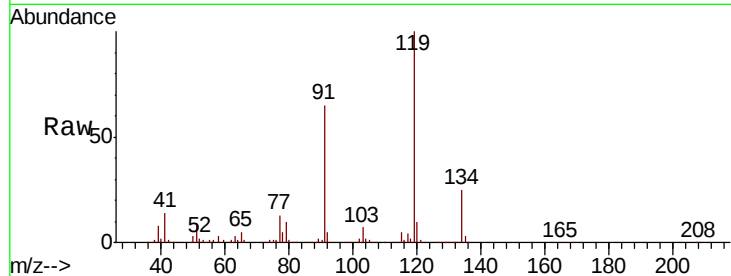




#83
tert-Butylbenzene
Concen: 50.606 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

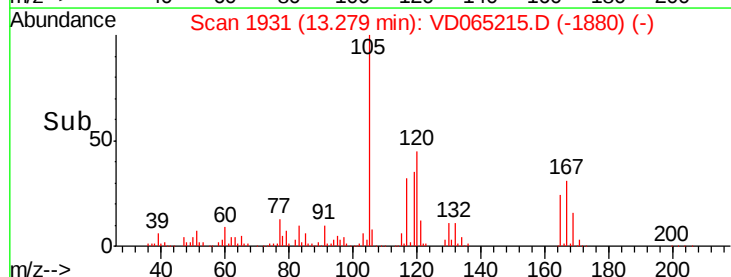
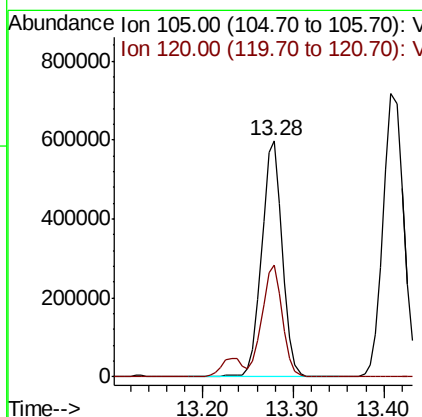
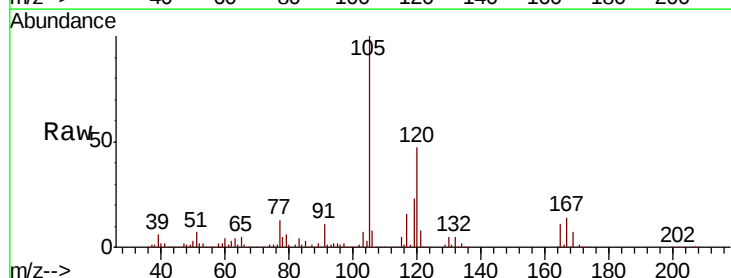
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 796229
Ion Ratio Lower Upper
119 100
91 63.7 31.9 95.5
134 27.5 13.8 41.3



#84
1,2,4-Trimethylbenzene
Concen: 50.465 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion:105 Resp: 948242
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.9

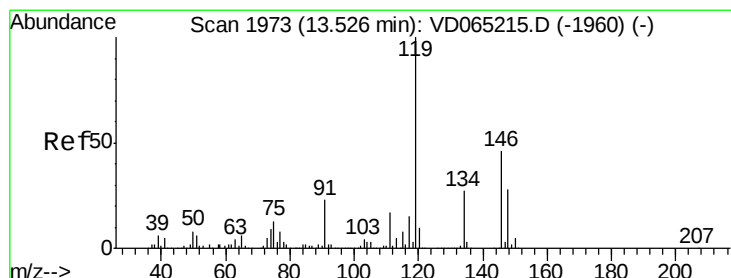
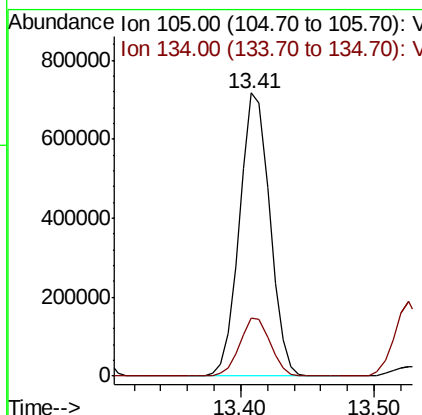
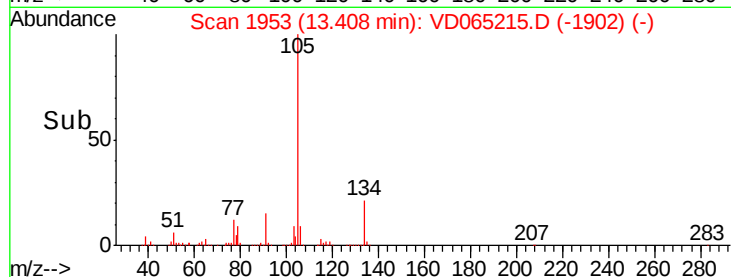
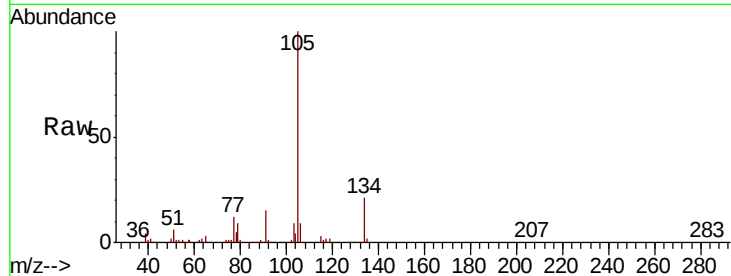




#85
 sec-Butylbenzene
 Concen: 49.780 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

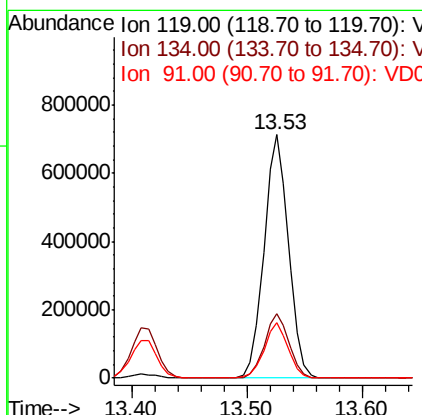
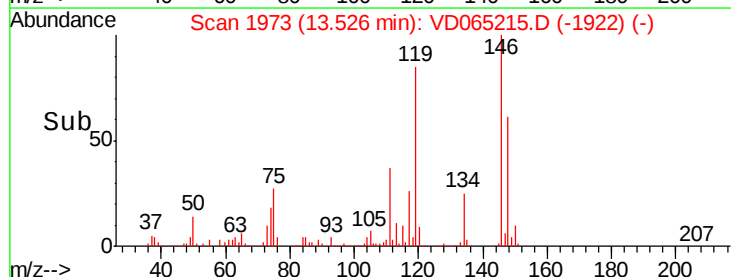
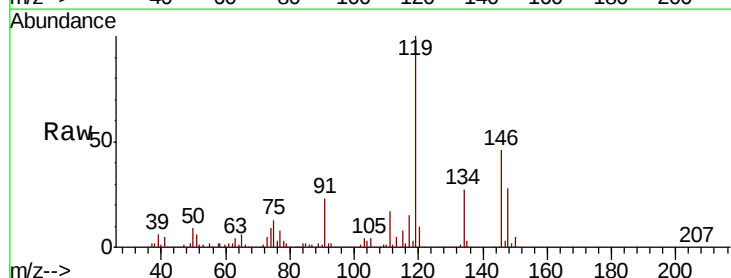
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

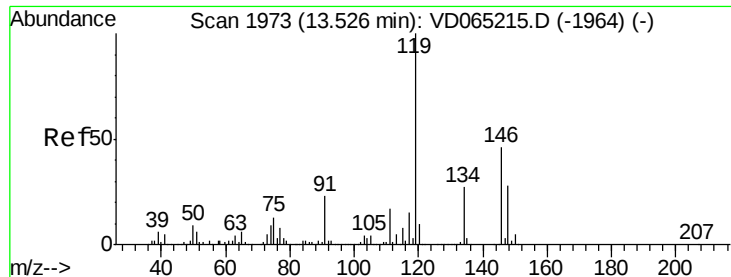
Tot Ion:105 Resp: 1128605
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 50.692 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion:119 Resp: 1051013
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 22.1 11.1 33.1

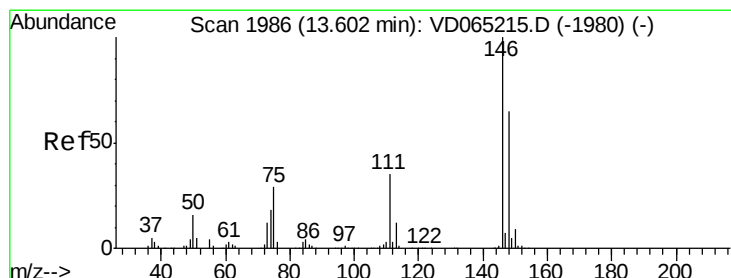
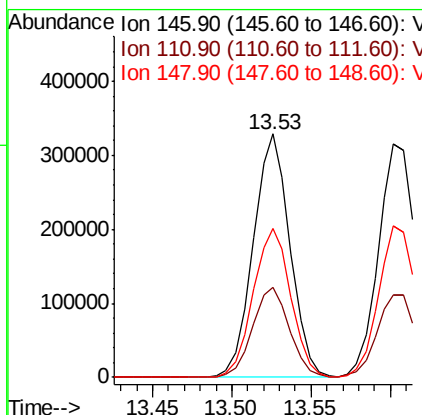
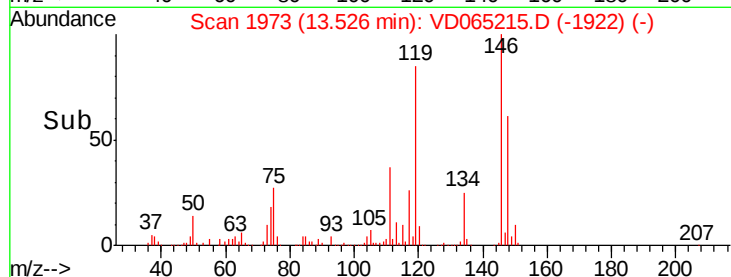
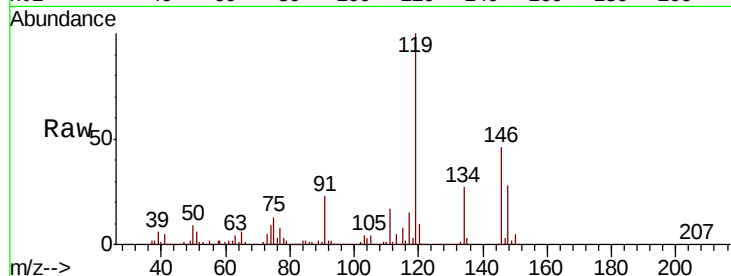




#87
 1,3-Dichlorobenzene
 Concen: 48.255 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

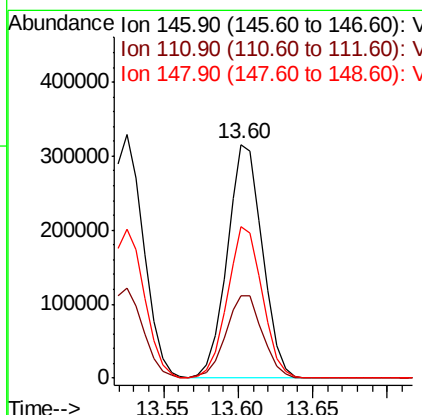
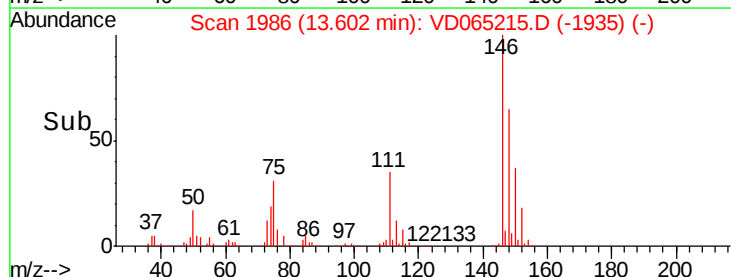
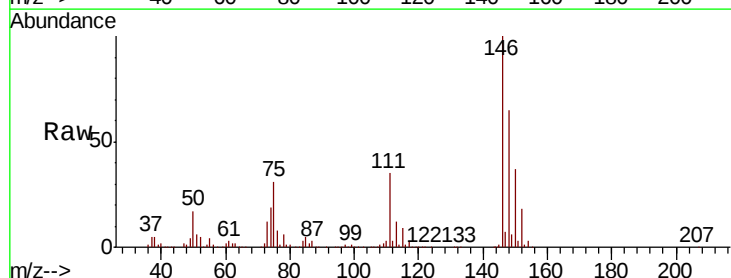
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

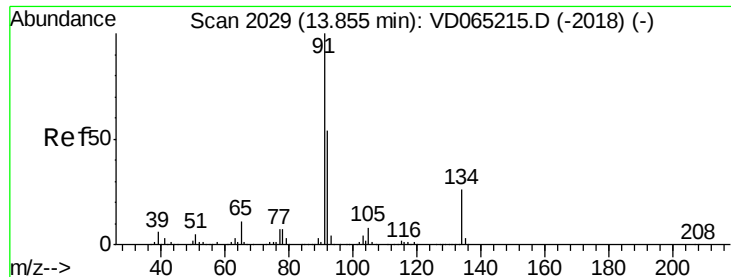
Tot Ion:146 Resp: 527994
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.8
 148 62.9 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 48.166 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion:146 Resp: 520144
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 64.3 32.1 96.5

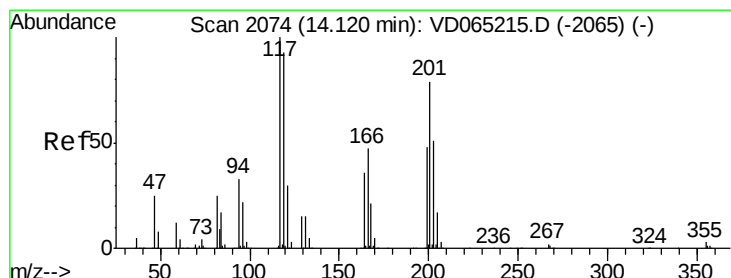
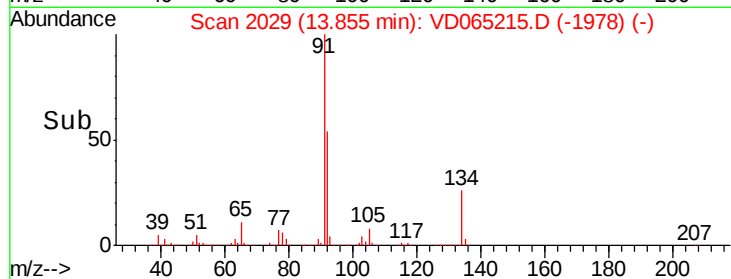
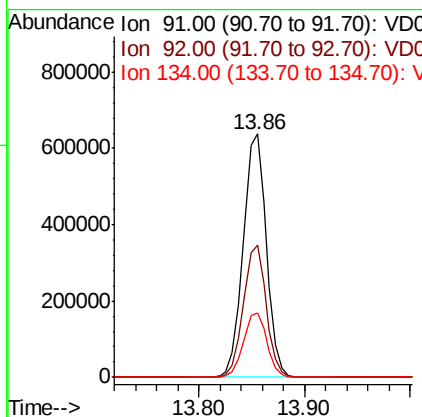
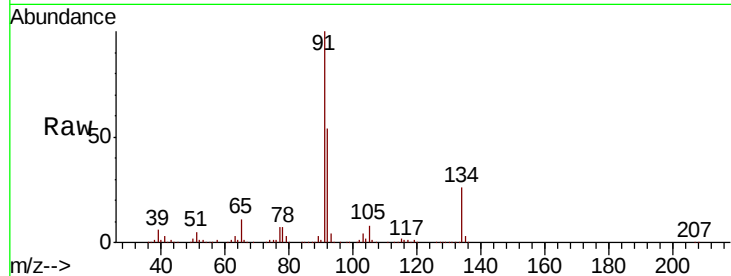




#89
n-Butylbenzene
Concen: 50.457 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

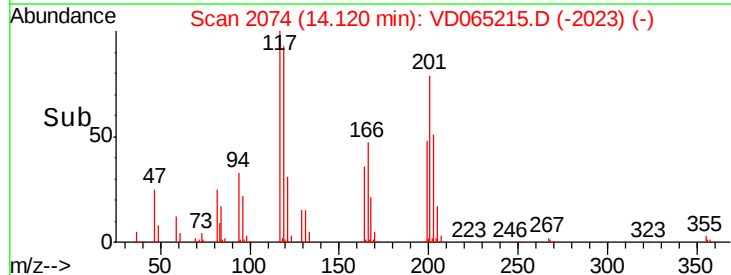
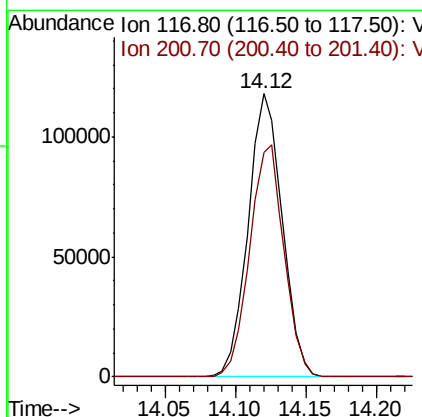
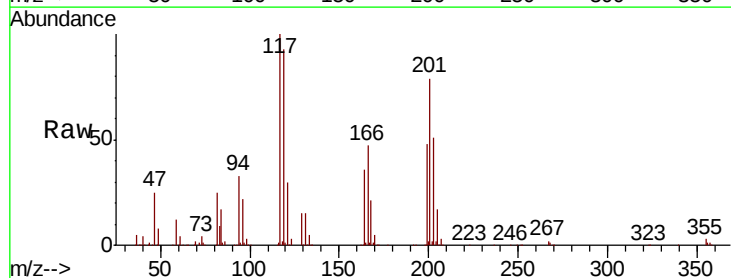
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 963995
Ion Ratio Lower Upper
91 100
92 53.9 27.0 80.8
134 26.9 13.5 40.4



#90
Hexachloroethane
Concen: 47.649 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065215.D
Acq: 18 Feb 2020 11:58

Tgt Ion: 117 Resp: 200594
Ion Ratio Lower Upper
117 100
201 82.7 41.3 124.1

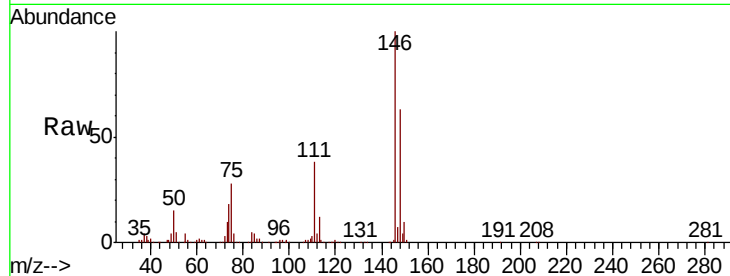




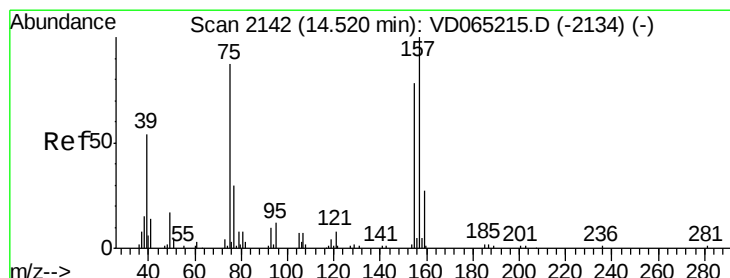
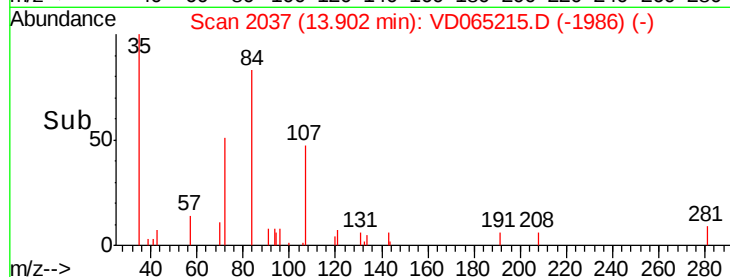
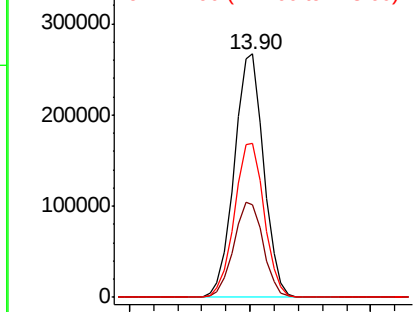
#91
 1,2-Dichlorobenzene
 Concen: 48.138 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.1	32.0	96.2

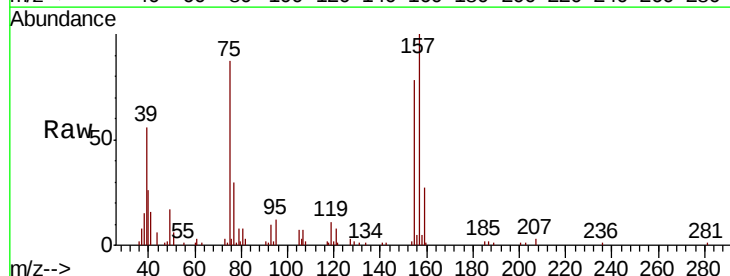


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

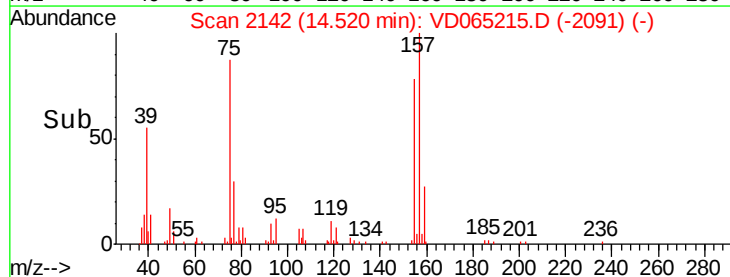
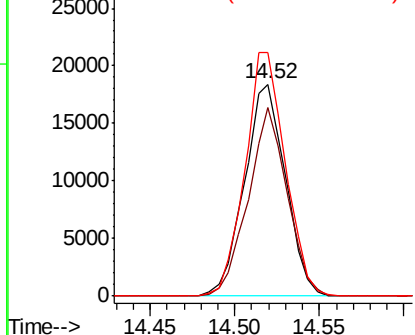


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.984 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	42.3	126.9
157	113.4	56.7	170.1



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

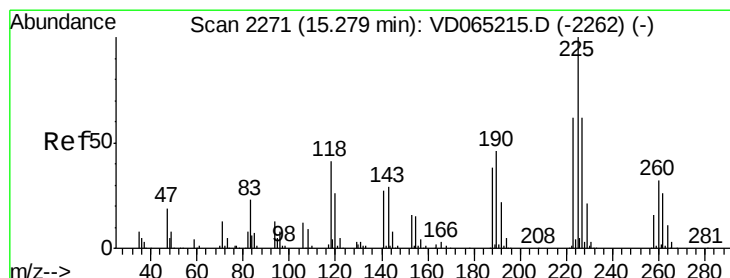
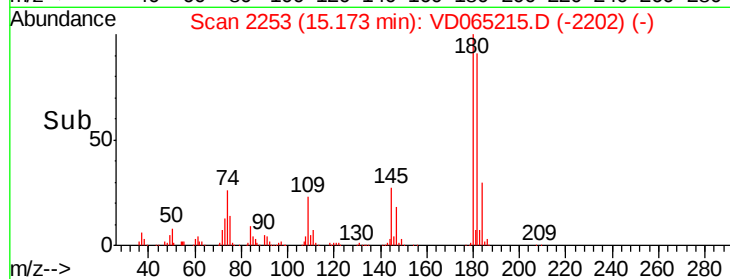
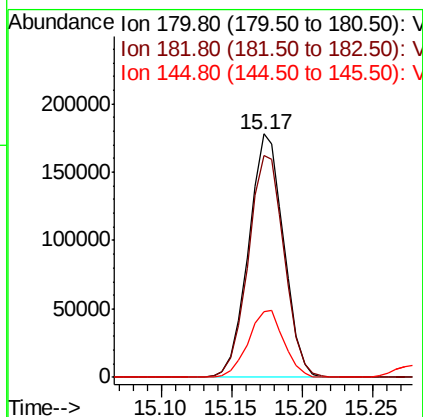
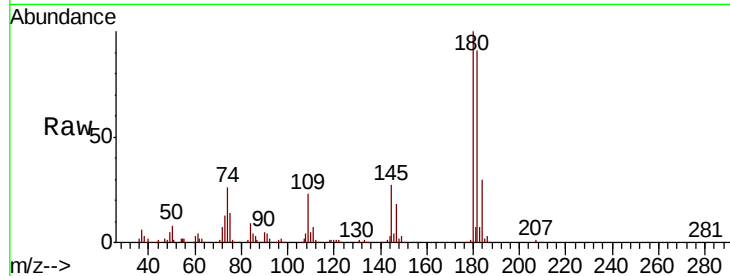




#93
 1,2,4-Trichlorobenzene
 Concen: 50.415 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

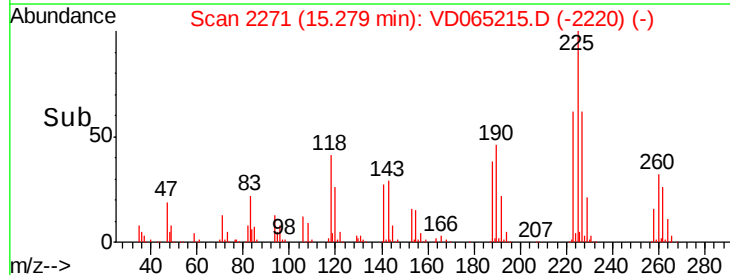
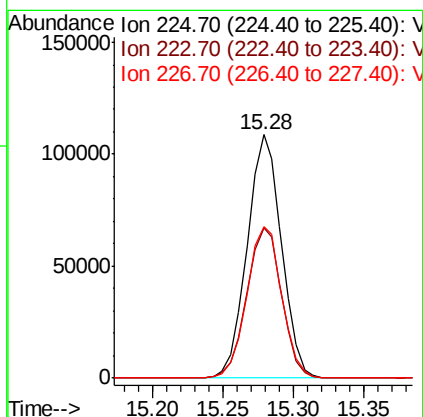
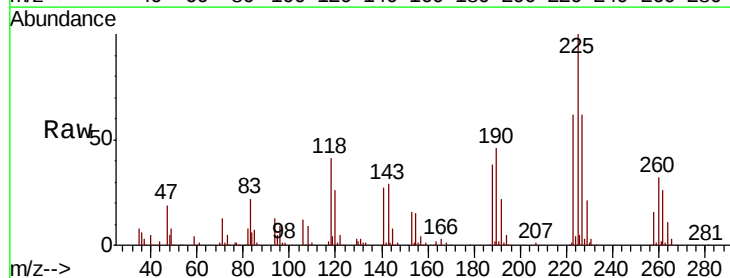
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

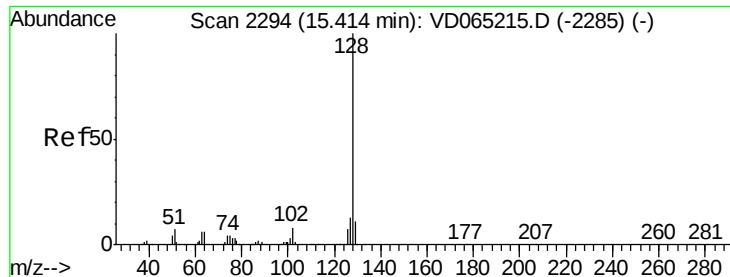
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	27.8	13.9	41.7



#94
 Hexachlorobutadiene
 Concen: 46.947 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065215.D
 Acq: 18 Feb 2020 11:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	63.4	31.7	95.1





#95

Naphthalene

Concen: 52.943 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

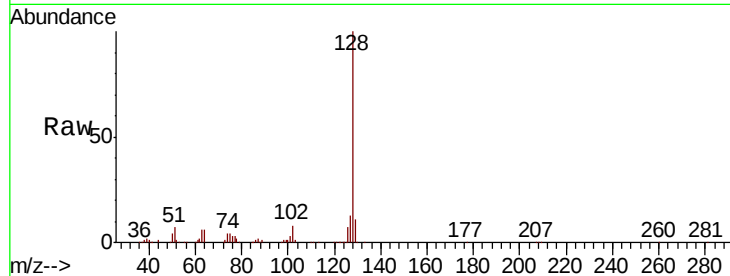
Tot Ion:128 Resp: 528917

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

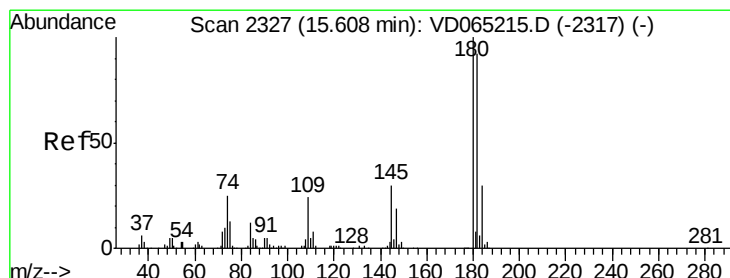
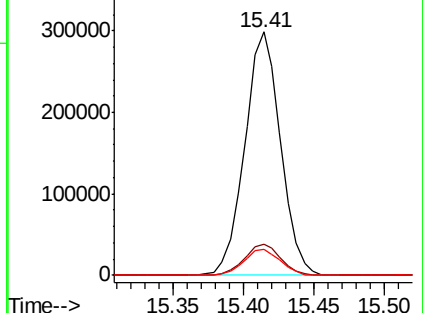
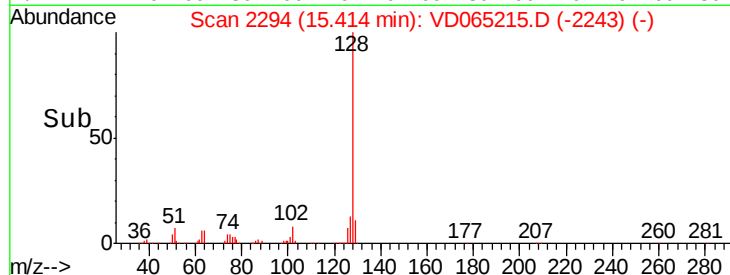
129 11.0 8.8 13.2



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: 49.795 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065215.D

Acq: 18 Feb 2020 11:58

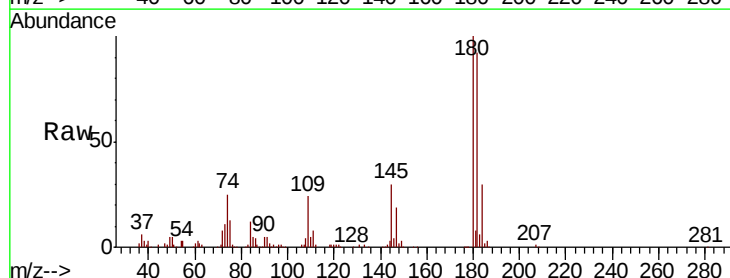
Tgt Ion:180 Resp: 267259

Ion Ratio Lower Upper

180 100

182 93.7 46.9 140.6

145 30.7 15.4 46.1



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

